



International Federation of Automatic Control

19th IFAC World Congress IFAC 2014

Cape Town, South Africa, 24-29 August 2014

PROCEEDINGS

Edited by
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19th IFAC World Congress

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FOREWORD

The International Program Committee is responsible for the technical standards of the IFAC World Congress. We received 2637 papers for review as regular (2616), survey (twelve) and keynote (nine) papers. These papers were subjected to peer review based on the full paper and 1992 (76%) of the papers were accepted and included in the final program. These papers are found in this Congress Proceedings volume. In the peer review process, 7117 review reports were obtained and processed. The contribution of the editors, the associate editor team and the reviewers to this significant task is acknowledged.

The Congress programme was also enhanced by ten plenary papers, and by papers (often with authors or co-authors from industry) that were accepted on the basis of extended abstracts. These papers are not part of the Congress Proceedings.

Edward Boje and Xiaohua Xia, IPC Co-Chairs

Congress Technical Areas

The areas of interest for the 19th IFAC World Congress are listed in the following table. Each area is associated with a Technical Committee (TC) of IFAC, grouped into 9 Coordinating Committees (CC). The names of the TC chairs and CC chairs active at the time of the Congress are also shown.

1.	Systems and Signals	Hakan Hjalmarsson
1.1	Modelling, Identification and Signal Processing	Marco Campi
1.2	Adaptive and Learning Systems	Alexander Fradkov
1.3	Discrete Event and Hybrid Systems	Alessandro Giua
1.4	Stochastic Systems	Charalambos Charalambous
1.5	Networked Systems	Hideaki Ishii
2.	Design Methods	Patrizio Colaneri
2.1	Control Design	Alessandro Astolfi
2.2	Linear Control Systems	Giuseppe Conte
2.3	Non-Linear Control Systems	Lorenzo Marconi
2.4	Optimal Control	Alexander M. Tarasyev
2.5	Robust Control	Fabrizio Dabbene
2.6	Distributed Parameter Systems	Thomas Meurer
3.	Computers, Cognition and Communication	Matjaz Colnaric
3.1	Computers for Control	Marek Wegrzyn
3.2	Computational Intelligence in Control	Antonio Barros Ruano
3.3	Telematics: Control via Communication Networks	Klaus Schilling
4.	Mechatronics, Robotics and Components	Detlef Zuehlke
4.1	Components and Technologies for Control	Ioan Dumitrache
4.2	Mechatronic Systems	Reza Moheimani
4.3	Robotics	Peter Korondi
4.5	Human Machine Systems	Frederic Vanderhaegen
5.	Manufacturing and Logistics Systems	Laszlo Monostori
5.1	Manufacturing Plant Control	Paul Valckenaers
5.2	Manufacturing Modelling for Management and Control	Alexandre Dolgui
5.3	Enterprise Integration and Networking	Herve Panetto
5.4	Large Scale Complex Systems	Mietek A. Brdys
6.	Process and Power Systems	Sigurd Skogestad
6.1	Chemical Process Control	Jay H. Lee
6.2	Mining, Mineral and Metal Processing	Luis Bergh
6.3	Power and Energy Systems	Istvan Erlich
6.4	Fault Detection, Supervision & Safety of Technical Processes-SAFEPROCESS	Jakob Stoustrup
7.	Transportation and Vehicle Systems	Hajime Asama
7.1	Automotive Control	Gianfranco Rizzo
7.2	Marine Systems	Antonio Pascoal
7.3	Aerospace	Houria B. Siguerdjane
7.4	Transportation Systems	Todor Stoilov
7.5	Intelligent Autonomous Vehicles	Giovanni Indiveri
8.	Bio- and Ecological Systems	Francis J. Doyle III
8.1	Control in Agriculture	Noboru Noguchi
8.2	Biological and Medical Systems	Steen Andreassen
8.3	Modelling and Control of Environmental Systems	Andrea Castelletti
8.4	Biosystems and Bioprocesses	Ilse Smets
9.	Social Systems	Francoise Lamnabhi-Lagarrigue
9.1	Economic, Business, and Financial Systems	Fei-Yue Wang
9.2	Social Impact of Automation	Wilfrid Perruquetti
9.4	Control Education	Bozenna Pasik-Duncan
9.5	Technology, Culture and International Stability (TECIS)	Lawrence (Larry) Stapleton

IFAC WC 2014 Technical Program Monday August 25, 2014

Track 1	Track 2	Track 3	Track 4	Track 5	Track 6	Track 7	Track 8	Track 9	Track 10	Track 11	Track 12	Track 13	Track 14	Track 15	Track 16	Track 17	Track 18	Track 19	Track 20	Track 21	Track 22	Track 23	Track 24	Track 25
08:30-09:30 MoP11 Auditorium 1 Coordinated Control of Multi-Agent Systems: Lessons from Collective Animal Behavior																								

10:00-12:00 MoA01 Ballroom East - Harold Chestnut	10:00-12:00 MoA02 Ballroom West - Aleksander Letov	10:00-12:00 MoA03 Auditorium 2 - Eduard Gerecke	10:00-12:00 MoA04 Roof Terrace - John Coales	10:00-12:00 MoA05 Da Gama/Diaz	10:00-12:00 MoA06 2.41 Pawel Nowacki	10:00-12:00 MoA07 2.44 - Victor Broida	10:00-12:00 MoA08 2.61 - John Lozier	10:00-12:00 MoA09 1.41 - Uolevi Luoto	10:00-12:00 MoA10 1.42 - Yoshikazu Sawaragi	10:00-12:00 MoA11 1.43 - Tibor Vamos	10:00-12:00 MoA12 1.44 - Manfred Thoma	10:00-12:00 MoA13 1.61 - Boris Tamm	10:00-12:00 MoA14 1.62 - Brian Anders	10:00-12:00 MoA15 1.63 - Stephen Kahne	10:00-12:00 MoA16 1.64 - Yong-Zai Lu	10:00-12:00 MoA17 Marco Polo Control of Energy Building	10:00-12:00 MoA18 2.43 - Pedro Alberto	10:00-12:00 MoA19 2.46 - Vladimir Kucera	10:00-12:00 MoA20 2.63 - Wook Hyun	10:00-12:00 MoA21 2.64 - Alberto Isidori	10:00-12:00 MoA22 2.65 - Craig Robust	10:00-12:00 MoA23 2.66 - lan Modeling	10:00-12:00 MoA24 Francis Drake	10:00-12:00 MoA25 2:00 Poster area
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13:30-15:30 MoB01 Ballroom East - Harold Chestnut	13:30-15:30 MoB02 Ballroom West - Aleksander Letov	13:30-15:30 MoB03 Auditorium 2 - Eduard Gerecke	13:30-15:30 MoB04 Roof Terrace - John Coales	13:30-15:30 MoB05 Da Gama/Diaz	13:30-15:30 MoB06 2.41 Pawel Nowacki	13:30-15:30 MoB07 2.44 - Victor Broida	13:30-15:30 MoB08 2.61 - John Lozier	13:30-15:30 MoB09 1.41 - Uolevi Luoto	13:30-15:30 MoB10 1.42 - Yoshikazu Sawaragi	13:30-15:30 MoB11 1.43 - Tibor Vamos	13:30-15:30 MoB12 1.44 - Manfred Thoma	13:30-15:30 MoB13 1.61 - Boris Tamm	13:30-15:30 MoB14 1.62 - Brian Anders	13:30-15:30 MoB15 1.63 - Stephen Kahne	13:30-15:30 MoB16 1.64 - Yong-Zai Lu	13:30-15:30 MoB17 Marco Polo Output Regulation	13:30-15:30 MoB18 2.43 - Pedro Alberto	13:30-15:30 MoB19 2.46 - Vladimir Kucera	13:30-15:30 MoB20 2.63 - Wook Hyun	13:30-15:30 MoB21 2.64 - Alberto Isidori	13:30-15:30 MoB22 2.65 - Craig Robust	13:30-15:30 MoB23 2.66 - lan Modeling	13:30-15:30 MoB24 Francis Drake	13:30-15:30 MoB25 5:30 Poster area
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16:00-18:00 MoC01 Ballroom East	16:00-18:00 MoC02 Ballroom West	16:00-18:00 MoC03 Auditorium 2	16:00-18:00 MoC04 Roof Terrace	16:00-18:00 MoC05 Da Gama/Diaz	16:00-18:00 MoC06 2.41 Pawel Nowacki	16:00-18:00 MoC07 2.44 - Victor Broida	16:00-18:00 MoC08 2.61 - John Lozier	16:00-18:00 MoC09 1.41 - Uolevi Luoto	16:00-18:00 MoC10 1.42 - Yoshikazu Sawaragi	16:00-18:00 MoC11 1.43 - Tibor Vamos	16:00-18:00 MoC12 1.44 - Manfred Thoma	16:00-18:00 MoC13 1.61 - Boris Tamm	16:00-18:00 MoC14 1.62 - Brian Anders	16:00-18:00 MoC15 1.63 - Stephen Kahne	16:00-18:00 MoC16 1.64 - Yong-Zai Lu	16:00-18:00 MoC17 Marco Polo	16:00-18:00 MoC18 2.43 - Pedro Alberto	16:00-18:00 MoC19 2.46 - Vladimir Kucera	16:00-18:00 MoC20 2.63 - Wook Hyun	16:00-18:00 MoC21 2.64 - Alberto Isidori	16:00-18:00 MoC22 2.65 - lan Modeling	16:00-18:00 MoC23 2.66 - Francis Drake	16:00-18:00 MoC24 Francis Drake	16:00-18:00 MoC25 8:00 Poster area
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- Harold Chestnut Smart Grids: Demand Response, Renewables, and Wide-Area Oscillations	- Aleksander Letov Nonlinear Predictive Control II	Eduard Gerecke Applications of Fault Detection and Root Cause Analysis Systems	- John Coales Nonlinear Control of Multi-Agent Systems	Diaz Fractional Systems I	Nowacki Advances in Mechatronic Systems	Broida Control of Blood Glucose I	Lozier Energy Management in Electric and Hybrid Vehicles	Luoto Gait Planning	zu Sawaragi Model Predictive Control in Chemical Processes I	Vamos Aerospace and Mechanical Systems	d Thomas Power System Operation I	Tamm Constrained Control	Andersson Dynamic Network Identification	n Kahne Estimation and Filtering I	ai Lu Digital and Sensing Enterprise	Discrete Event Systems	Alberto Optimal Control Theory I	r Kucera Guidance, Navigation and Control of Vehicles I	Hyun Kwon Fuzzy and Neural Systems Relevant to Control and Identification	Isidori Distributed Robust Design	Craig Flexible and Reconfigurable Manufacturing Systems	mous Vehicle s	Microsystems: Nano and Micro-Technologies	Interactive Session on Processes Systems
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18:15-18:45 MoP22 Auditorium 1 Bionic Learning Network – Inspired by Nature
18:45-19:45 MoP33 Auditorium 1 Robot & Remote-Controlled Machine Technology for Accident Response and Decommissioning of the Fukushima Daiichi Nuclear Power Plant

IFAC WC 2014 Technical Program Tuesday August 26, 2014

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08:30-09:30 TuP11 Auditorium 1 Safety Critical Control Systems: A Manned and Unmanned Autonomous Aircraft Perspective																								

10:00-12:00 TuA01 Ballroom East - Harold Chestnut	10:00-12:00 TuA02 Ballroom West - Aleksander Letov	10:00-12:00 TuA03 Auditorium 2 - Gerecke Eduard	10:00-12:00 TuA04 Roof - Coales John	10:00-12:00 TuA05 Gama/Diaz	10:00-12:00 TuA06 Pawel Nowacki	10:00-12:00 TuA07 2.44 - Victor Broida	10:00-12:00 TuA08 2.61 - John Lozier	10:00-12:00 TuA09 1.41 - Uolevi Luoto	10:00-12:00 TuA10 1.42 - Yoshikazu	10:00-12:00 TuA11 1.43 - Tibor Vamos	10:00-12:00 TuA12 1.44 - Manfred	10:00-12:00 TuA13 1.61 - Boris Tamm	10:00-12:00 TuA14 1.62 - Brian Anders	10:00-12:00 TuA15 1.63 - Stephen Kahne	10:00-12:00 TuA16 1.64 - Yong-Zai Lu	10:00-12:00 TuA17 Marco Polo	10:00-12:00 TuA18 2.43 - Pedro Alberto	10:00-12:00 TuA19 2.46 - Vladimir Kucera	10:00-12:00 TuA20 2.63 - Wook Hyun	10:00-12:00 TuA21 2.64 - Alberto Isidori	10:00-12:00 TuA22 2.65 - Ian Craig	10:00-12:00 TuA23 2.66 - Human-Machine	10:00-12:00 TuA24 Francis Drake	10:00-12:00 TuA25 2:00 Poster area Interactive Session on Power Systems
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13:30-15:30 TuB01 Ballroom East - Harold Chestnut	13:30-15:30 TuB02 Ballroom West - Aleksander Letov	13:30-15:30 TuB03 Stephane Kahne	13:30-15:30 TuB04 Terrace - Coales John	13:30-15:30 TuB05 Gama/Diaz	13:30-15:30 TuB06 Pawel Nowacki	13:30-15:30 TuB07 2.44 - Victor Broida	13:30-15:30 TuB08 2.61 - John Lozier	13:30-15:30 TuB09 1.41 - Uolevi Luoto	13:30-15:30 TuB10 1.42 - Yoshikazu	13:30-15:30 TuB11 1.43 - Tibor Vamos	13:30-15:30 TuB12 1.44 - Manfred	13:30-15:30 TuB13 1.61 - Boris Tamm	13:30-15:30 TuB14 1.62 - Brian Anders	13:30-15:30 TuB15 Auditorium 2 - Eduard Gerecke	13:30-15:30 TuB16 1.64 - Yong-Zai Lu	13:30-15:30 TuB17 Marco Polo	13:30-15:30 TuB18 2.43 - Pedro Alberto	13:30-15:30 TuB19 2.46 - Vladimir Kucera	13:30-15:30 TuB20 2.63 - Wook Hyun	13:30-15:30 TuB21 2.64 - Alberto Isidori	13:30-15:30 TuB22 2.65 - Ian Craig	13:30-15:30 TuB23 2.66 - Bioprocess	13:30-15:30 TuB24 Francis Drake	13:30-15:30 TuB25 5:30 Poster area Interactive Session on Mechatronics II
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						ions in Medical and Biological Systems	Battery Element									mic Research and Industry Practice in Control Systems		Environment II	es; Decentralized and Distributed Control; Holonic Manufacturing Systems	ustrial Networking				
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16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00
TuC01	TuC02	TuC03	TuC04	TuC05	TuC06	TuC07	TuC08	TuC09	TuC10	TuC11	TuC12	TuC13	TuC14	TuC15	TuC16	TuC17	TuC18	TuC19	TuC20	TuC21	TuC22	TuC23	TuC24	TuC25	
Ballroom East - Harold Chestnut Smart Grid Control IV	Ballroom West - Aleksander Letov Sliding Mode Control II	1.61 - Boris Tamm Errors in Variables Identification	Terrace Roof - John Coales Synchronization in Networked Systems	Gama/Da Linear System s I	Pawel Nowacki 2.41	Victor Broida 2.44 - Biomechanical Modeling	John Lozier 2.61 - Energy Management for XEV: Optimization and Control Strategies	Uolevi Luoto 1.41 - Mobile Robots I	Yoshikazu Sawara 1.42 - Process Control Applications I	Tibor Vamos 1.43 - Data-Based Control	Thomas Gerecke 1.44 - Control of Solar Power Systems	Eduard Gerecke 1.62 - Increasing Impact and Funding Opportunities in Control	Brian Andersson 1.63 - Nonparametric Methods	Stephane Kahne 1.63 - Estimation and Filtering III	Yong-Zhai Lu 1.64 - Adaptive Control Applications	Marco Polo 1.64 - Automatic Control, Optimization and Real-Time Operations in Transportation	Alberto Kucera 2.43 - Navigation, Control and Sensing in the Marine Environment III	Vladimir Wook Hyun 2.46 - Control of [Title not available]	Alberto Isidori 2.63 - Robust Control Applications	Alberto Isidori 2.64 - Robust Control Applications	Ilan Craig 2.65 - Intelligent Manufacturing Systems	Dynamics and Control in Biosystems	Francis Drake 2.66 - Modeling and Control of Environmental Systems	Poster area Interactive Session on Control Design and Linear Systems	

18:15-19:15 TuP22a
 Auditorium 1
 The Evolving Electrical Grid: From Slow and Passive to Fast and Active

18:15-19:15 TuP22b
 Auditorium 2
 Large Transport Aircraft: Control Challenges of the Future

IFAC WC 2014 Technical Program Wednesday August 27, 2014

Track 1	Track 2	Track 3	Track 4	Track 5	Track 6	Track 7	Track 8	Track 9	Track 10	Track 11	Track 12	Track 13	Track 14	Track 15	Track 16	Track 17	Track 18	Track 19	Track 20	Track 21	Track 22	Track 23	Track 24	Track 25
08:30-09:30 WeP11 Auditorium 1 How Much Uncertainty Can a Feedback Mechanism Deal With?																								

10:00-12:00 WeA01 Ballroom East - Harold Chestnut Towards Automated Load Control in Smart Grids	10:00-12:00 WeA02 Ballroom West - Aleksander Letov Stability of Nonlinear Systems	10:00-12:00 WeA03 Auditorium 2 - Eduard Gerecke Estimation and Filtering IV	10:00-12:00 WeA04 Roof Terrace - John Coales Decentralised Techniques for Estimation and Identification	10:00-12:00 WeA05 Gama/Da Diaz Linear Systems II	10:00-12:00 WeA06 Pawel Nowacki Vibration Control Systems II	10:00-12:00 WeA07 Victor Broida Quantification of Physiological Parameters for Diagnosis and Treatment Assessment	10:00-12:00 WeA08 John Lozier Engine Modelling and Control II	10:00-12:00 WeA09 Uolevi Luoto Mobile Robots II	10:00-12:00 WeA10 Yoshika zu Sawaragi Control Applications II	10:00-12:00 WeA11 Tibor Vamos Decentralized Control	10:00-12:00 WeA12 Manfred Thoma Wind Power I	10:00-12:00 WeA13 Boris Tamm Application of Nonlinear Analysis and Design	10:00-12:00 WeA14 Brian Anders Advanced Control Techniques for Data Storage and Scanning Probe Microscopy - I	10:00-12:00 WeA15 Stephane Kahne Estimation and Filtering V	10:00-12:00 WeA16 Yong-Zai Lu Learning and Adaptive Control	10:00-12:00 WeA17 Marco Polo Stability of Hybrid Systems I	10:00-12:00 WeA18 Pedro Alberto Optimal Control Theory II	10:00-12:00 WeA19 Vladimir Kucera Delay and Fractional Order Systems	10:00-12:00 WeA20 Wook Hyun Real-Time Algorithms, Scheduling and Programming	10:00-12:00 WeA21 Alberto Isidori Robust Estimation and Control	10:00-12:00 WeA22 Ian Craig Balancing and Sequencing in Assembly and Machining Lines	10:00-12:00 WeA23 2.66 Industrial Biotechnology	10:00-12:00 WeA24 Francis Drake Modeling and Control of Water Systems	10:00-12:00 WeA25 2:00 Poster area Interactive Session on Automotive Control
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12:00-13:30
WeL09
1.41 - Uolevi Luoto
Innovative Teaching in Preparing Tomorrow's Scientists and Engineers for Challenges and Opportunities

Of the
21st
Century

13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30	13:30-15:30
WeB01	WeB02	WeB03	WeB04	WeB05	WeB06	WeB07	WeB08	WeB09	WeB10	WeB11	WeB12	WeB13	WeB14	WeB15	WeB16	WeB17	WeB18	WeB19	WeB20	WeB21	WeB22	WeB23	WeB24	WeB25
Ballroom East - Harold Chestnut	Ballroom West - Aleksander Letov	Auditorium 2 - Eduard Gerecke	Roof Terrace - John Coales	Da Gama/Linear Systems III	2.41 Pawel Nowacki	2.44 - Victor Broida	2.61 - John Lozier	1.41 - Uolevi Luoto	1.42 - Yoshika zu	1.43 - Tibor Vamos	1.44 - Manfred Thoma	1.61 - Boris Tamm	1.62 - Brian Anders	1.63 - Stephen Kahne	1.64 - Yong-Zai Lu	Marco Polo Stabilization of Hybrid Systems and Event Based Control	2.43 - Pedro Alberto Kucera	2.46 - Vladimir Kwon	2.63 - Wook Hyun	2.64 - Isidori Fault Detection, Diagnosis and Response	2.65 - Ian Craig Promoting Sustainable Operations through Advanced Maintenance Engineering, Services and Technology	2.66 Monitoring, Modelling and Control of Wastewater Treatment Processes	Francis Drake Sensing and Estimation for Mechatronics I	Poster area Interactive Session on Mechatronics I

16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00	16:00-18:00
WeC01	WeC02	WeC03	WeC04	WeC05	WeC06	WeC07	WeC08	WeC09	WeC10	WeC11	WeC12	WeC13	WeC14	WeC15	WeC16	WeC17	WeC18	WeC19	WeC20	WeC21	WeC22	WeC23	WeC24	WeC25
Ballroom East - Harold Chestnut	Ballroom West - Aleksander Letov	Auditorium 2 - Eduard Gerecke	Roof Terrace - John Coales	Da Gama/Output Feedback	2.41 Pawel Nowacki	2.44 - Victor Broida	2.61 - John Lozier	Robot Sensors	1.42 - Yoshika zu	1.43 - Tibor Vamos	1.44 - Manfred Thoma	1.61 - Boris Tamm	1.62 - Brian Anders	1.63 - Stephen Kahne	1.64 - Yong-Zai Lu	Marco Polo Energy Management and Grid Interaction for Plug-In Electric Vehicles	2.43 - Pedro Alberto Kucera	2.46 - Vladimir Kwon	2.63 - Wook Hyun	2.64 - Isidori Observer Based and Parity Space Based Methods for FDI	2.65 - Ian Craig Plant Performance in Manufacturing	2.66 Multi-Vehicle Systems Control in Agriculture	Francis Drake Sensing and Control in Non-Linear, Optimal and Distributed Parameter Systems	Poster area Interactive Session on Non-Linear, Optimal and Distributed Parameter Systems

18:15-19:15 WeP22
Auditorium 1
The Impact of Model-Based Design on Controls, Today and in the Future

IFAC WC 2014 Technical Program Thursday August 28, 2014

Track 1	Track 2	Track 3	Track 4	Track 5	Track 6	Track 7	Track 8	Track 9	Track 10	Track 11	Track 12	Track 13	Track 14	Track 15	Track 16	Track 17	Track 18	Track 19	Track 20	Track 21	Track 22	Track 23	Track 24	Track 25
08:30-09:30 ThP11 Auditorium 1 Cybergenetics: Feedback Control of Living Cells at the Gene Level																								

10:00-12:00 ThA01 Ballroom East - Harold Chestnut Power System Stability II	10:00-12:00 ThA02 Ballroom West - Aleksander Letov Stabilization of Nonlinear Systems	10:00-12:00 ThA03 Auditorium 2 - Eduard Gerecke Fault Detection and Diagnosis II	10:00-12:00 ThA04 Roof Terrace - John Coales Advances in Consensus	10:00-12:00 ThA05 Gama/Diaz Processes Control	10:00-12:00 ThA06 2.41 Pawel Nowack Identification and Control Methods in Mechatronics	10:00-12:00 ThA07 2.44 - Victor Broida Cardiology Modeling and Control	10:00-12:00 ThA08 2.61 - John Lozier Sensing and Estimation for Automotive Applications	10:00-12:00 ThA09 1.41 - Uolevi Luoto Robotic Manipulators I	10:00-12:00 ThA10 2:00 Sawaragi Process Control Applications III	10:00-12:00 ThA11 2:00 Tibor Vamos Robust Fault Detection and Diagnosis System	10:00-12:00 ThA12 2:00 Yoshikazu Robust Energy Storage and Fuel Cells I	10:00-12:00 ThA13 2:00 Boris Tamm Lyapunov Methods	10:00-12:00 ThA14 2:00 Brian Anders Particle Filtering and Monte Carlo Methods	10:00-12:00 ThA15 2:00 Stephen Kahne Stochastic Control and Game Theory II	10:00-12:00 ThA16 2:00 Yong-Zai Lu Methodologies and Techniques for Handling Complexity	10:00-12:00 ThA17 2:00 Marco Polo Modeling and Simulation of Transportation Systems	10:00-12:00 ThA18 2:00 Pedro Alberto Vehicle Dynamics and Control	10:00-12:00 ThA19 2:00 Vladimiro Kucera Rotocraft Modelling, Identification and Control	10:00-12:00 ThA20 2:00 Wook Hyun Milestone Session: Computational Intelligence in Control	10:00-12:00 ThA21 2:00 Alberto Isidori Statistical Methods and Signal Analysis for FDI	10:00-12:00 ThA22 2:00 Ian Craig Product Planning and Control	10:00-12:00 ThA23 2:00 Navigatlon, Guidance and Control	10:00-12:00 ThA24 2:00 Francis Drake Games and Economic Models	10:00-12:00 ThA25 2:00 Poster area Advances in Control Laboratories
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13:30-15:30 ThB01 Ballroom East - Harold Chestnut Power System Stability III	13:30-15:30 ThB02 Ballroom West - Aleksander Letov Reversible and Irreversible Thermodynamics in Control	13:30-15:30 ThB03 Auditorium 2 - Eduard Gerecke Filtering and Smoothing	13:30-15:30 ThB04 Roof Terrace - John Coales Coordination of Multiple Vehicle Systems I	13:30-15:30 ThB05 5:30 Gama/Diaz [Title not available]	13:30-15:30 ThB06 5:30 Pawel Nowack Mechatronic Systems Modelling	13:30-15:30 ThB07 5:30 Victor Broida Recent Nonlinear Control Methodologies in Medical and Biological Systems with Special Focus on Anesthesia and	13:30-15:30 ThB08 5:30 John Lozier Robust Control (Linear Case)	13:30-15:30 ThB09 5:30 Uolevi Luoto Robotic Manipulators II	13:30-15:30 ThB10 5:30 Yoshikazu Sawaragi Process Identification and Estimation	13:30-15:30 ThB11 5:30 Tibor Vamos Control Design for Linear Systems	13:30-15:30 ThB12 5:30 Thoma Energy Storage and Fuel Cells II	13:30-15:30 ThB13 5:30 Boris Tamm Model Reduction and Realization	13:30-15:30 ThB14 5:30 Brian Anders Subspace Methods	13:30-15:30 ThB15 5:30 Stephen Kahne Stochastic System Identification	13:30-15:30 ThB16 5:30 Yong-Zai Lu Decision Making and Optimization in Complex Systems	13:30-15:30 ThB17 5:30 Marco Polo Hybrid Systems	13:30-15:30 ThB18 5:30 Pedro Alberto Marine Vehicle Navigation and Guidance	13:30-15:30 ThB19 5:30 Vladimiro Kucera Spacecraft Systems	13:30-15:30 ThB20 5:30 Wook Hyun Teleomatics: Control Via Communication Networks	13:30-15:30 ThB21 5:30 Alberto Isidori Developments in Control and Optimization of Complex Systems	13:30-15:30 ThB22 5:30 Ian Craig Advanced Control in Mineral Processing	13:30-15:30 ThB23 5:30 Trajectory Tracking and Path Following	13:30-15:30 ThB24 5:30 Francis Drake Control in the Social Sciences	13:30-15:30 ThB25 5:30 Poster area Interactive Session on Biological Systems
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						Diabetes																		
16:00-18:00 ThC01 Ballroom East - Harold Chestnut Load Modeling and Control I	16:00-18:00 ThC02 Ballroom West - Aleksander Letov Nonlinear Control Systems	16:00-18:00 ThC03 Auditorium 2 - Eduard Gerecke Frequency Domain Identification	16:00-18:00 ThC04 Roof Terrace - John Coales Coordination of Multiple Vehicle Systems II	16:00-18:00 ThC05 Dama/Diaz Systems with Time Delays I	16:00-18:00 ThC06 Pawel Nowacki Mechatronic Systems I	16:00-18:00 ThC07 Victor Broida Control of Blood Glucose II	16:00-18:00 ThC08 John Lozier Localization and Path Planning	16:00-18:00 ThC09 Uolevi Luoto Robotic Systems	16:00-18:00 ThC10 Yoshikazu [Title not available]	16:00-18:00 ThC11 Tibor Vamos Parametric Optimization	16:00-18:00 ThC12 Manfred Thoma Model Predictive Control I	16:00-18:00 ThC13 Boris Tamm Networked Systems	16:00-18:00 ThC14 Brian Anders Time Series Modelling	16:00-18:00 ThC15 Stephen Kahne Stochastic Systems	16:00-18:00 ThC16 Yong-Zai Lu Control of Complex Systems	16:00-18:00 ThC17 Marco Polo Stochastic Hybrid Systems	16:00-18:00 ThC18 2.43 - Pedro Alberto Large Scale Optimization Problems	16:00-18:00 ThC19 2.46 - Vladimir Kucera Bridging the Gap between Academia and Industry : Successful Aerospace Collaborations	16:00-18:00 ThC20 2.63 - Wook Hyun Approaches in Control Education	16:00-18:00 ThC21 2.64 - Alberto Isidori Performance Monitoring and Statistical Process Control	16:00-18:00 ThC22 2.65 - Ian Craig Advanced Control in Metallurgical Processes	16:00-18:00 ThC23 2.66 Vehicle and Control Systems	16:00-18:00 ThC24 Francis Drake Engineering in Economics and Finance	16:00-18:00 ThC25 Poster area Interactive Session on Manufacturing and Logistics

18:15-19:15 ThP22
Auditorium 1
Bridging the Gap between Planning and Control: A Cascaded MPC Approach

IFAC WC 2014 Technical Program Friday August 29, 2014

Track 1	Track 2	Track 3	Track 4	Track 5	Track 6	Track 7	Track 8	Track 9	Track 10	Track 11	Track 12	Track 13	Track 14	Track 15	Track 16	Track 17	Track 18	Track 19	Track 20	Track 21	Track 22	Track 23	Track 24	Track 25
08:30-09:30 FrPP Auditorium 1 Specification, Verification and Synthesis of Networked Control Systems																								

10:00-12:00 FrA01 Ballroom East - Harold Chestnut	10:00-12:00 FrA02 Ballroom West - Aleksander Letov	10:00-12:00 FrA03 Auditorium 2 - Eduard Gerecke	10:00-12:00 FrA04 Roof - John Coales	10:00-12:00 FrA05 Gama/Da [Title not available]	10:00-12:00 FrA06 Pawel Nowacki	10:00-12:00 FrA07 Victor Broida	10:00-12:00 FrA08 John Lozier	10:00-12:00 FrA09 Uolevi Luoto	10:00-12:00 FrA10 Yoshikazu Sawaragi	10:00-12:00 FrA11 Tibor Vamos	10:00-12:00 FrA12 Manfred Thoma	10:00-12:00 FrA13 Boris Tamm	10:00-12:00 FrA14 Brian Anders	10:00-12:00 FrA15 Stephane Kahne	10:00-12:00 FrA16 Yong-Zai Lu	10:00-12:00 FrA17 Marco Polo	10:00-12:00 FrA18 Pedro Alberto	10:00-12:00 FrA19 Vladimir Kucera	10:00-12:00 FrA20 Alberto Isidori	10:00-12:00 FrA21 Wook Hyun	10:00-12:00 FrA22 Craig Woon	10:00-12:00 FrA23 Evolutionary Modelling of Cancer: Stochastic Dynamics and Self-Organization in Progress of the Disease	10:00-12:00 FrA24 Francis Drake	10:00-12:00 FrA25 Poster area
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13:00-15:00 FrB01 Ballroom East - Harold Chestnut	13:00-15:00 FrB02 Ballroom West - Aleksander Letov	13:00-15:00 FrB03 Auditorium 2 - Eduard Gerecke	13:00-15:00 FrB04 Roof - John Coales	13:00-15:00 FrB05 Gama/Da [Title not available]	13:00-15:00 FrB06 Pawel Nowacki	13:00-15:00 FrB07 Victor Broida	13:00-15:00 FrB08 John Lozier	13:00-15:00 FrB09 Uolevi Luoto	13:00-15:00 FrB10 Yoshikazu Sawaragi	13:00-15:00 FrB11 Tibor Vamos	13:00-15:00 FrB12 Manfred Thoma	13:00-15:00 FrB13 Boris Tamm	13:00-15:00 FrB14 Brian Anders	13:00-15:00 FrB15 Stephane Kahne	13:00-15:00 FrB16 Yong-Zai Lu	13:00-15:00 FrB17 Marco Polo	13:00-15:00 FrB18 Pedro Alberto	13:00-15:00 FrB19 Vladimir Kucera	13:00-15:00 FrB20 Alberto Isidori	13:00-15:00 FrB21 Wook Hyun	13:00-15:00 FrB22 Craig Woon	13:00-15:00 FrB23 Evolutionary Modelling of Cancer: Stochastic Dynamics and Self-Organization in Progress of the Disease	13:00-15:00 FrB24 Francis Drake	13:00-15:00 FrB25 Poster area
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Content List of 19th IFAC World Congress

Technical Program for Monday August 25, 2014

MoP11	Auditorium 1
Coordinated Control of Multi-Agent Systems: Lessons from Collective Animal Behavior (Plenary Session)	
Chair: Isidori, Alberto	Univ. of Rome "La Sapienza"
08:30-09:30	MoP11.1
<i>Coordinated Control of Multi-Agent Systems: Lessons from Collective Animal Behavior*</i> .	
Leonard, Naomi Ehrich	Princeton Univ.
MoA01	Ballroom East - Harold Chestnut
Smart Grid Control I (Regular Session)	
Chair: Xia, Xiaohua	Univ. of Pretoria
Co-Chair: Neuman, Petr V	CEPS, a.s.
10:00-10:20	MoA01.1
<i>Principles of Smart Grids on the Generation Electrical and Thermal Energy and Control of Heat Consumption within the District Heating Networks (I)</i> , pp. 1-6.	
Neuman, Petr V	CEPS, a.s.
10:20-10:40	MoA01.2
<i>Autonomous Power Distribution System</i> , pp. 7-12.	
Moridian, Barzin	Michigan Tech. Univ.
Bennett, Daryl	Michigan Tech. Univ.
Mahmoudian, Nina	Michigan Tech. Univ.
Weaver, Wayn	Michigan Tech. Univ.
Robinnett, Rush	Michigan Tech. Univ.
10:40-11:00	MoA01.3
<i>An Investigation of Energy Storage Possibilities in Single Family Houses for Smart Grid Purposes</i> , pp. 13-18.	
Andersen, Palle	Aalborg Univ.
Pedersen, Tom S.	Aalborg Univ.
Nielsen, Kirsten Moelgaard	Aalborg University
11:00-11:20	MoA01.4
<i>Energy Efficiency of Overhead Cranes</i> , pp. 19-24.	
Wu, Zhou	Univ. of Pretoria
Xia, Xiaohua	Univ. of Pretoria
11:20-11:40	MoA01.5
<i>Simulation Experience of Smart Grid Technologies at Russky Island (I)</i> , pp. 25-30.	
Grobovoy, Andrey	Power System Emergency Control Lab. Ltd
Arestova, Anna	Novosibirsk State Univ.
Khmelik, Mikhail Sergeyeovich	NSTU
Shipilov, Vladislav	Novosibirsk State Tech. Univ.
Nikitin, Oleg	Far East Energy Management Company
11:40-12:00	MoA01.6
<i>Dynamic Approach and Testbed for Small and Medium Players Simulation in Smart Grid Environments</i> , pp. 31-36.	
Gomes, Luis	Pol. Inst. of Porto
Amaral, Haroldo	UNESP - Univ. Estadual Paulista
Fernandes, Filipe	Pol. Inst. of Porto
Faria, Pedro	Pol. Inst. of Porto
Vale, Zita	Pol. Inst. of Porto
Ramos, Carlos	Pol. Inst. of Porto
Souza, André	UNESP - Univ. Estadual Paulista
MoA02	Ballroom West - Aleksander Letov
Nonlinear Observers and Filter Design (Regular Session)	
Chair: Menini, Laura	Univ. di Roma "Tor Vergata"
Co-Chair: Moreno, Jaime A.	Univ. Nacional Autonoma de Mexico-UNAM
10:00-10:20	MoA02.1

<i>Nonlinear Luenberger Observer Design Via Invariant Manifold Computation</i> , pp. 37-42.		
Sakamoto, Noboru		Nagoya Univ.
Rehak, Branislav	Inst. of Information Theory and Automation, Acad. of Scien	
Ueno, Koji		Nagoya Univ.
10:20-10:40		MoA02.2
<i>On the Use of Algebraic Geometry for the Design of High-Gain Observers for Continuous-Time Polynomial Systems</i> , pp. 43-48.		
Menini, Laura		Univ. di Roma 'Tor Vergata'
Tornambe, Antonio		Univ. Di Roma Tor Vergata
10:40-11:00		MoA02.3
<i>Comparison of Differentiation Schemes for the Velocity and Acceleration Estimations of a Pneumatic System</i> , pp. 49-54.		
Yan, Xinming	LUNAM Univ. - Ec. Centrale de Nantes - IRCCyN	
Primot, Muriel	LUNAM Univ. - Univ. de Nantes - IRCCyN	
Plestan, Franck	Ec. Centrale De Nantes-CNRS	
11:00-11:20		MoA02.4
<i>Nonlinear Observer and Controller Design for Sensorless Operation of a Continuously Rotating Energy Harvester</i> , pp. 55-60.		
Nunna, Kameswarie		Imperial Coll. London
Toh, Tzern T		Imperial Coll. London
Mitcheson, Paul D		Imperial Coll. London
Astolfi, Alessandro	Imperial Col. London & Univ. of Rome Tor Vergata	
11:20-11:40		MoA02.5
<i>H8 Filter Design for State Estimation and Unknown Inputs Reconstruction of a Class of Nonlinear Systems</i> , pp. 61-66.		
Sayyaddelshad, Saleh		Lulea Univ. of Tech.
Johansson, Andreas		Lulea Univ. of Tech.
Darouach, Mohamed		Univ. de Lorraine
Gustafsson, Thomas		Luleå Univ. of Tech.
11:40-12:00		MoA02.6
<i>LMI Conditions for Designing Rational Nonlinear Observers with Guaranteed Cost</i> , pp. 67-72.		
May Dezuo, Tiago Jackson		Univ. Federal de Santa Catarina (UFSC)
Trofino, Alexandre		Federal Univ. of Santa Catarina
MoA03		Auditorium 2 - Eduard Gerecke
Applications of System Identification (Regular Session)		
Chair: Schön, Thomas Bo		Uppsala Univ.
Co-Chair: Garatti, Simone		Pol. di Milano
10:00-10:20		MoA03.1
<i>Modeling and Identification of the Restoring Force of a Marine Riser</i> , pp. 73-78.		
Torres, Lizeth		UNAM
Verde, Cristina		Inst. de Ingenieria, UNAM
Besancon, Gildas		Ense3, Grenoble INP
Áviles, Jesus David		Facultad de Ingeniería, UNAM
10:20-10:40		MoA03.2
<i>An Optimization-Based Approach to Human Body Motion Capture Using Inertial Sensors</i> , pp. 79-85.		
Kok, Manon		Linkoping Univ.
Hol, Jeroen Diederik		Xsens Tech. B.V.
Schön, Thomas Bo		Uppsala Univ.
10:40-11:00		MoA03.3
<i>State Estimation Based on Self-Triggered Measurements</i> , pp. 86-91.		
Meslem, Nacim		INP de Grenoble
Prieur, Christophe		CNRS
11:00-11:20		MoA03.4
<i>Maximum Likelihood Calibration of a Magnetometer Using Inertial Sensors</i> , pp. 92-97.		
Kok, Manon		Linkoping Univ.
Schön, Thomas Bo		Uppsala Univ.
11:20-11:40		MoA03.5
<i>A Semi-Batch Reactor Modeling Based on PWARX Systems</i> , pp. 98-103.		
Lassoued, Zeineb		ENIG
Abderrahim, Kamel		Gabes Univ.

11:40-12:00	MoA03.6
<i>Traffic Sign Recognition Application Based on Image Processing Techniques</i> , pp. 104-109.	
Laguna, Rubén	Univ. of León
Barrientos Martínez, Rubén	Univ. of León
Blázquez, L. Felipe	Univ. of León
de Miguel, L. Javier	Univ. of Valladolid

MoA04	Roof Terrace - John Coales
Control and Estimation with Data Loss (Regular Session)	

Chair: Quevedo, Daniel E.	The Univ. of Newcastle
Co-Chair: Basar, Tamer	Univ. of Illinois at Urbana-Champaign

10:00-10:20	MoA04.1
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<i>Minimax Control of MIMO Systems Over Multiple TCP-Like Lossy Networks</i> , pp. 110-115.	
Moon, Jun	Univ. of Illinois, Urbana and Champaign
Basar, Tamer	Univ. of Illinois at Urbana-Champaign

10:20-10:40	MoA04.2
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<i>Stability of Kalman Filtering with Multiple Sensors Involving Lossy Communications</i> , pp. 116-121.	
Sui, Tianju	Zhejiang Univ.
You, Keyou	Tsinghua Univ.
Fu, Minyue	Univ. of Newcastle

10:40-11:00	MoA04.3
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<i>Transmission Power Scheduling for Energy Harvesting Sensor in Remote State Estimation</i> , pp. 122-127.	
Li, Yuzhe	Hong Kong Univ. of Science and Tech.
Quevedo, Daniel E.	The Univ. of Newcastle
Lau, Vincent	Hong Kong Univ. of Science and Tech.
Dey, Subhrakanti	Uppsala Univ.
Shi, Ling	Hong Kong Univ. of Science and Tech.

11:00-11:20	MoA04.4
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<i>Online Deception Attack against Remote State Estimation</i> , pp. 128-133.	
Zhang, Heng	State Key Lab. of Industrial Control Tech. Zhejiang
Cheng, Peng	Zhejiang Univ.
Wu, Junfeng	KTH Royal Inst. of Tech.
Shi, Ling	Hong Kong Univ. of Science and Tech.
Chen, Jiming	Zhejiang Univ.

11:20-11:40	MoA04.5
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<i>Resilient Control under Denial-Of-Service</i> , pp. 134-139.	
De Persis, Claudio	Univ. of Groningen
Tesi, Pietro	Univ. of Groningen

11:40-12:00	MoA04.6
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<i>An Observer with Measurement-Triggered Jumps for Linear Systems with Known Input</i> , pp. 140-145.	
Ferrante, Francesco	LAAS-CNRS
Gouaisbaut, Frederic	LAAS CNRS
Sanfelice, Ricardo G.	Univ. of Arizona
Tarbouriech, Sophie	LAAS-CNRS

MoA05	Da Gama/Diaz
Disturbance Rejection (linear Case) (Regular Session)	

Chair: Bitmead, Robert	Univ. of California San Diego
Co-Chair: Kawai, Fukiko	Fuji Electric Co., Ltd.

10:00-10:20	MoA05.1
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<i>An Industrial Model Based Disturbance Feedback Control Scheme</i> , pp. 146-151.	
Kawai, Fukiko	Fuji Electric Co., Ltd.
Nakazawa, Chikashi	Fuji Electric Co., Ltd.
Vinther, Kasper	Aalborg Univ.
Rasmussen, Henrik	Aalborg Univ.
Andersen, Palle	Aalborg Univ.
Stoustrup, Jakob	Pacific Northwest National Lab.

10:20-10:40	MoA05.2
<i>A Control Approach for Performance of Big Data Systems</i> , pp. 152-157.	
Berekmeri, Mihaly	Univ. of Grenoble, GIPSA-Lab. LIG
Serrano, Damián	Univ. of Grenoble
Bouchenak, Sara	Univ. of Grenoble
Marchand, Nicolas	GIPSA-Lab. CNRS
Robu, Bogdan	Univ. of Grenoble, GIPSA-Lab.
10:40-11:00	MoA05.3
<i>Iterative Learning Control for Periodic Systems Using Model Predictive Methods with Adaptive Sampling Rates</i> , pp. 158-163.	
Kennel, Fabian	Univ. of Kaiserslautern
Liu, Steven	Univ. of Kaiserslautern
11:00-11:20	MoA05.4
<i>Disturbance Decoupling with Stability in Continuous-Time Switched Linear Systems under Dwell-Time Switching</i> , pp. 164-169.	
Zattoni, Elena	Alma Mater Studiorum - Univ. of Bologna
Perdon, Anna Maria	Univ. Pol. delle Marche
Conte, Giuseppe	Univ. Pol. delle Marche
11:20-11:40	MoA05.5
<i>Optimal Feedforward Compensators for Integrating Plants</i> , pp. 170-175.	
Rodríguez, Carlos	Univ. of Almería
Guzman, Jose Luis	Univ. of Almería
Berenguel, Manuel	Univ. of Almería
Normey-Rico, Julio Elias	Federal Univ. of Santa Catarina
11:40-12:00	MoA05.6
<i>The Information Structure of Feedforward/Preview Control Using Forecast Data</i> , pp. 176-181.	
Moroto, Robert	Univ. of California, San Diego
Bitmead, Robert	Univ. of California San Diego
Slegers, Bram	Tech. Univ. Eindhoven
MoA06	2.41 Pawel Nowacki
Motion Control Systems I (Regular Session)	
Chair: Heertjes, Marcel	Eindhoven Univ. of Tech.
Co-Chair: Sjöberg, Johan	Corp. Res. ABB AB
10:00-10:20	MoA06.1
<i>Sliding Mode and Continuous Estimation Techniques for the Realization of Advanced Control Strategies for Parallel Kinematics</i> , pp. 182-190.	
Flottmeier, Sarah	Univ. of Paderborn
Olma, Simon	Univ. of Paderborn
Trächtler, Ansgar	Univ. of Paderborn
10:20-10:40	MoA06.2
<i>Interactive Multiobjective Optimization for a Grab-Shift Unloader Crane</i> , pp. 191-197.	
Sjöberg, Johan	Corp. Res. ABB AB
Lindkvist, Simon	ÅF
Linder, Jonas	Linköping Univ.
Öhr, Jonas	Optimization AB
10:40-11:00	MoA06.3
<i>Experimental Evaluation of a DO-FPID Controller with Different Filtering Properties</i> , pp. 198-203.	
Huba, Mikulas	Slovak Univ. of Tech.
Belai, Igor	Slovak Univ. of Tech. in Bratislava
11:00-11:20	MoA06.4
<i>A Double-Loop Control Structure for Tracking Control and Disturbance Attenuation</i> , pp. 204-209.	
Tsai, Mi-Ching	National Cheng Kung Univ.
Yang, Fu-Yun	National Cheng Kung Univ. Department of Mechanical Enginee
Chen, Chun-Lin	National Cheng Kung Univ. Department of Mechanical Enginee
11:20-11:40	MoA06.5
<i>H-Infinity Controller Design Methods Applied to One Joint of a Flexible Industrial Manipulator</i> , pp. 210-216.	
Axelsson, Patrik	Linköping Univ. Sweden
Helmersson, Anders	Linköpings Univ.

Norrlöf, Mikael	Linköping Univ.
11:40-12:00	MoA06.6
<i>Backstepping Experimentally Applied to an Antagonistically Driven Finger with Flexible Tendons</i> , pp. 217-223.	
Chalon, Maxime	DLR
D'Andrea-Novell, Brigitte	Ec. des Mines de Paris
MoA07	2.44 - Victor Broida
Control Systems for Artificial Pancreas (Invited Session)	
Chair: Cinar, Ali	Illinois Inst. of Tech.
Co-Chair: Bequette, B. Wayne	Rensselaer Pol. Inst.
Organizer: Cinar, Ali	Illinois Inst. of Tech.
Organizer: Bequette, B. Wayne	Rensselaer Pol. Inst.
10:00-10:20	MoA07.1
<i>State Estimation with Sensor Recalibrations and Asynchronous Measurements for MPC of an Artificial Pancreas to Treat T1DM (I)</i> , pp. 224-230.	
Gondhalekar, Ravi	Univ. of California Santa Barbara
Dassau, Eyal	Univ. of California Santa Barbara
Doyle, Frank	Univ. of California
10:20-10:40	MoA07.2
<i>Assessment of Model Predictive and Adaptive Glucose Control Strategies for People with Type 1 Diabetes (I)</i> , pp. 231-236.	
Boiroux, Dimitri	Hyogo Coll. of Medicine
Duun-Henriksen, Anne Katrine	Tech. Univ. of Denmark
Schmidt, Signe	Hvidovre Univ. Hospital
Nørgaard, Kirsten	Hvidovre Univ. Hospital
Poulsen, Niels Kjølstad	Tech. Univ. of Denmark
Madsen, Henrik	Tech. Univ. of Denmark
Jorgensen, John Bagterp	Tech. Univ. of Denmark
10:40-11:00	MoA07.3
<i>Model-Based Control of Type I Diabetes in Risk Space (I)</i> , pp. 237-242.	
Patek, Stephen D.	Univ. of Virginia
Breton, Marc D	Univ. of Virginia
Vereshchetin, Paul	Univ. of Virginia
Jiang, Boyi	Univ. of Virginia
Kovatchev, Boris	Univ. of Virginia
11:00-11:20	MoA07.4
<i>Sensitivity Analysis of a Predictive Pump Suspension System to Treat People with Type 1 Diabetes (I)</i> , pp. 243-248.	
Cameron, Fraser	Rensselaer Pol. Inst.
Buckingham, Bruce	Stanford
Wilson, Darrell M	Stanford Univ.
Bequette, B. Wayne	Rensselaer Pol. Inst.
11:20-11:40	MoA07.5
<i>Artificial Pancreas Systems: An Integrated Multivariable Adaptive Approach (I)</i> , pp. 249-254.	
Turksoy, Kamuran	Illinois Inst. of Tech.
Quinn, Laretta	Univ. of Illinois at Chicago
Littlejohn, Elizabeth	Univ. of Chicago
Cinar, Ali	Illinois Inst. of Tech.
11:40-12:00	MoA07.6
<i>From in to Out-Patient Artificial Pancreas Studies: Results and New Developments (I)</i> , pp. 255-262.	
Del Favero, Simone	Univ. of Padova
Magni, Lalo	Univ. of Pavia
Kovatchev, Boris	Univ. of Virginia
Cobelli, Claudio	Univ. of Padova

MoA08	2.61 - John Lozier
Networked Controls and Games (Invited Session)	
Chair: Cheng, Daizhan	Chinese Acad. of Sciences
Co-Chair: Huang, Jie	The Chinese Univ. of Hong Kong

Organizer: Cheng, Daizhan	Chinese Acad. of Sciences
Organizer: Huang, Jie	The Chinese Univ. of Hong Kong
10:00-10:20	MoA08.1
<i>Global Leader Following Consensus of a Group of Discrete-Time Linear Systems Using Bounded Controls (I)</i> , pp. 263-268.	
Zhao, Zhiyun	Shanghai Jiao Tong Univ.
Lin, Zongli	Univ. of Virginia
10:20-10:40	MoA08.2
<i>Continuous Observer Design for Nonlinear Systems with Sampled and Delayed Output Measurements (I)</i> , pp. 269-274.	
Zhang, Daoyuan	Coll. of Science, China Three Gorges Univ.
Shen, Yanjun	China Three Gorges Univ.
Xia, Xiaohua	Univ. of Pretoria
10:40-11:00	MoA08.3
<i>On Networked Evolutionary Games Part 1: Formulation (I)</i> , pp. 275-280.	
Qi, Hongsheng	Chinese Acad. of Sciences
Cheng, Daizhan	Chinese Acad. of Sciences
Dong, Hairong	Beijing Jiaotong Univ. Beijing, China
11:00-11:20	MoA08.4
<i>On Networked Evolutionary Games Part 2: Dynamics and Control (I)</i> , pp. 281-286.	
Cheng, Daizhan	Chinese Acad. of Sciences
He, Fenghua	Harbin Inst. of Tech.
Xu, Tingting	Chinese Acad. of Sciences
11:20-11:40	MoA08.5
<i>Distributed Tracking for Multiple Lagrangian Systems Using Only Position Measurements (I)</i> , pp. 287-292.	
Yang, Qingkai	Beijing Inst. of Tech.
Zhou, Fengyi	Beijing Inst. of Tech.
Chen, Jie	Beijing Inst. of Tech.
Li, Xin	School of Automation, Beijing Inst. of Tech.
Fang, Hao	Beijing Inst. of Tech.
11:40-12:00	MoA08.6
<i>Adaptive Leader-Following Consensus of Multiple Uncertain Rigid Spacecraft Systems (I)</i> , pp. 293-298.	
Cai, He	Chinese Univ. of Hong Kong
Huang, Jie	The Chinese Univ. of Hong Kong
MoA09	1.41 - Uolevi Luoto
Control of Manipulators (Regular Session)	
Chair: Bertram, Torsten	Tech. Univ. Dortmund
Co-Chair: Salvucci, Valerio	Univ. of Tokyo
10:00-10:20	MoA09.1
<i>Experimental Evaluation of Synergy-Based In-Hand Manipulation</i> , pp. 299-304.	
Palli, Gianluca	Univ. of Bologna
Ficuciello, Fanny	Univ. di Napoli Federico II
Scarcia, Umberto	Univ. of Bologna
Melchiorri, Claudio	Univ. of Bologna
Siciliano, Bruno	Univ. degli Studi di Napoli Federico II
10:20-10:40	MoA09.2
<i>Optimal Tube Following for Robotic Manipulators</i> , pp. 305-310.	
Debrouwere, Frederik	KU Leuven
Van Loock, Wannes	KU Leuven
Pipeleers, Goele	Katholieke Univ. Leuven
Swevers, Jan	K. U. Leuven
10:40-11:00	MoA09.3
<i>Dual Arm Manipulation Using Constraint Based Programming</i> , pp. 311-319.	
Wang, Yuquan	KTH - Royal Inst. of Tech.
Vina, Francisco Eli	KTH
Karayiannidis, Yiannis	Royal Inst. of Tech. KTH
Smith, Christian	Royal Inst. of Tech. (KTH)
Ogren, Petter	KTH

11:00-11:20		MoA09.4
<i>Collision Detection and Reaction for a Multi-Elastic-Link Robot Arm</i> , pp. 320-325.		
Malzahn, Jörn		Tech. Univ. Dortmund
Bertram, Torsten		Tech. Univ. Dortmund
11:20-11:40		MoA09.5
<i>Comparison of Mental and Theoretical Evaluations of Remotely Controlled Mobile Manipulators</i> , pp. 326-331.		
Pham, Cong Dung		Norwegian Univ. of Life Sciences
Phan, Huynh Nhat Trinh		Norwegian Univ. of Life Sciences
From, Pål Johan		Norwegian Univ. of Life Sciences
11:40-12:00		MoA09.6
<i>Increasing Isotropy of Intrinsic Compliance in Robot Arms through Biarticular Structure</i> , pp. 332-337.		
Salvucci, Valerio		Univ. of Tokyo
Baratcart, Travis		The Univ. of Tokyo
Koseki, Takafumi		The Univ. of Tokyo
MoA10		1.42 - Yoshikazu Sawaragi
Industrial Applications of Process Control 1 (Regular Session)		
Chair: Garcia, Marcio	Radix Engenharia e Desenvolvimento de Software Ltda	
Co-Chair: Grobbelaar, Grant		OPTI-NUM solutions
10:00-10:20		MoA10.1
<i>An Intelligent Switching Control for the Intervals of Concentration and Flow-Rate of Underflow Slurry in a Mixed Separation Thickener</i> , pp. 338-345.		
Chai, Tianyou		Northeastern Univ.
Li, Haibo		northeastern Univ.
Wang, Hong		the Univ. of Manchester
10:20-10:40		MoA10.2
<i>On Robust Control System Design for Plants with Recycle</i> , pp. 346-351.		
Taiwo, Oluwafemi		Tech. Univ. Clausthal
Bamimore, Ayorinde	OBAFEMI AWOLOWO Univ. ILE-IFE, NIGERIA	
Adeyemo, Samuel	Department of chemical engineering, obafemi awolowo Univ.	
King, Rudibert		Tech. Univ. of Berlin
10:40-11:00		MoA10.3
<i>Flotation Control Incorporating Fuzzy Logic and Image Analysis</i> , pp. 352-357.		
Koorts, Ryan		BluESP
Dawson, Peter		FQML
11:00-11:20		MoA10.4
<i>Optimizing Diesel Production Using Advanced Process Control and Dynamic Simulation</i> , pp. 358-363.		
Garcia, Marcio	Radix Engenharia e Desenvolvimento de Software Ltda	
Neves Pitta, Renato		Univ. de São Paulo / Petrobras
Neto, Enéas		Petrobras
Fischer, Gilvan		Petrobras
11:20-11:40		MoA10.5
<i>Optimization of H2 Production in a Hydrogen Generation Unit</i> , pp. 364-369.		
Garcia, Marcio	Radix Engenharia e Desenvolvimento de Software Ltda	
Neves Pitta, Renato		Univ. de São Paulo / Petrobras
Fischer, Gilvan		Petrobras
Kuramoto, André Seichi Ribeiro		Pol. School of the Univ. of São Paulo
11:40-12:00		MoA10.6
<i>Nonlinear Model Predictive Control of a Coagulation Chemical Dosing Unit for Water Treatment Plants</i> , pp. 370-376.		
Bello, Oladipupo		Tshwane Univ. of Tech. Pretoria
Hamam, Yskandar		A2SI-ESIEE & LIRIS-UVSQ
Djouani, Karim		Univ. Paris XII Creteil, Lab. LISSI
MoA11		1.43 - Tibor Vamos
Adaptive Control I (Regular Session)		
Chair: Coelho, Antonio Augusto Rodrigues		Federal Univ. of Santa Catarina
Co-Chair: Benosman, Mouhacine		TL@National Univ. of Singapore

10:00-10:20	MoA11.1
<i>A Proportional Integral Extremum-Seeking Control Approach</i> , pp. 377-382.	
Guay, Martin	Queen's Univ.
Dochain, Denis	Univ. Catholique de Louvain
10:20-10:40	MoA11.2
<i>Extremum Seeking Control with Adaptive Disturbance Feedforward</i> , pp. 383-388.	
Marinkov, Sava	Eindhoven Univ. of Tech.
de Jager, Bram	Tech. Univ. Eindhoven
Steinbuch, Maarten	Eindhoven Univ. of Tech.
10:40-11:00	MoA11.3
<i>Multi-Model Adaptive Regulation for a Family of Systems Containing Different Zero Structures</i> , pp. 389-394.	
Peterson, Eric	Drexel Univ.
Kwatny, Harry	Drexel Univ.
11:00-11:20	MoA11.4
<i>Iterative Learning Control with Time Domain Prediction Using Laguerre Functions</i> , pp. 395-400.	
Wang, Liuping	RMIT Univ.
Freeman, Christopher Thomas	Univ. of Southampton
Rogers, Eric	Univ. of Southampton
11:20-11:40	MoA11.5
<i>Extremum Seeking-Based Indirect Adaptive Control for Nonlinear Systems</i> , pp. 401-406.	
Benosman, Mouhacine	Mitsubishi Electric Res. Lab. (MERL)
MoA12	1.44 - Manfred Thoma
Power Plants Control I (Regular Session)	
Chair: Zhong, Qing-Chang	The Univ. of Sheffield
Co-Chair: Crainic, Emmanuel D	École de technologie supérieure (ÉTS), Montréal, Qc
10:00-10:20	MoA12.1
<i>Energy-Efficient Control of Evaporative Cooling Towers for Small Steam Power Plants</i> , pp. 407-412.	
Casella, Francesco	Pol. di Milano
Leva, Alberto	Pol. di Milano
10:20-10:40	MoA12.2
<i>DEB-Oriented Modelling and Control of Coal-Fired Power Plant</i> , pp. 413-418.	
Sun, Li	Tsinghua Univ.
Dong, Junyi	Tsinghua Univ.
Li, Donghai	Tsinghua Univ.
Zhang, Xi	Guangdong Power Test and Res. Inst.
Xue, Yali	Tsinghua Univ.
10:40-11:00	MoA12.3
<i>Plant-Wide Control of a Parabolic Trough Power Plant with Thermal Energy Storage</i> , pp. 419-425.	
Jost, Michael	Ruhr-Univ. Bochum
Grote, Wolfgang	MAN Diesel & Turbo SE
Möllenbruck, Florian	Ruhr-Univ. Bochum
Monnigmann, Martin	Ruhr-Univ. Bochum
11:00-11:20	MoA12.4
<i>Tuning of a Dynamic Boiler Model Using a Nonlinear Multivariable Optimisation Method</i> , pp. 426-431.	
Yli-Fossi, Timo	Tampere Univ. of Tech.
11:20-11:40	MoA12.5
<i>Dynamic Modeling and Simulation of Compressor Trains for an Air Separation Unit</i> , pp. 432-437.	
Dominic, Shane	Univ. of Duisburg Essen
Maier, Uwe	Univ. Duisburg-Essen
11:40-12:00	MoA12.6
<i>Modeling of a Power Plant (A Case Study of Savannah Sugar Power Plant)</i> , pp. 438-444.	
Gumpy, Jerome Mishon	Adamawa State Univ. Mubi
Jiya, Jibrin Danladi	Abubakar Tafawa Balew Univ. Bauchi

Aerospace Applications of Non-Linear Control (Regular Session)

Chair: Markdahl, Johan	Royal Inst. of Tech.
Co-Chair: Lee, Kuan Waey	The Univ. of Melbourne
10:00-10:20	MoA13.1
<i>Analytical Solutions to a Class of Feedback Systems on $SO(n)$</i> , pp. 445-450.	
Markdahl, Johan	Royal Inst. of Tech.
Hu, Xiaoming	KTH Royal Inst. of Tech.
10:20-10:40	MoA13.2
<i>Adjoint Assisted Geometry Design of a Feedback Controlled Missile</i> , pp. 451-456.	
Lee, Kuan Waey	The Univ. of Melbourne
Moase, Will	The Univ. of Melbourne
Ooi, Andrew	The Univ. of Melbourne
Manzie, Chris	The Univ. of Melbourne
10:40-11:00	MoA13.3
<i>Flight Envelope Protection System Using Model Predictive Control*</i> .	
Simon, Daniel	Saab Aeronautics
11:00-11:20	MoA13.4
<i>Nonlinear Model Predictive Missile Control with a Stabilising Terminal Constraint</i> , pp. 457-462.	
Bachtiar, Vincent	The Univ. of Melbourne
Mühlpfordt, Tillmann	Otto-von-Guericke Univ. Magdeburg
Moase, Will	The Univ. of Melbourne
Faulwasser, Timm	EPFL
Findeisen, Rolf	Otto-von-Guericke-Univ. Magdeburg
Manzie, Chris	The Univ. of Melbourne
11:20-11:40	MoA13.5
<i>Robust Attitude Control with Improved Transient Performance</i> , pp. 463-468.	
Cong, Binglong	Beijing Inst. of Tech.
Chen, Zhen	School of Automation, 231 Staff, Beijing Inst. of Technology
Liu, Xiangdong	School of Automation, 231 Staff, Beijing Inst. of Tech.
11:40-12:00	MoA13.6
<i>Guidance Law Design Via Variable Structure Control with Finite Time Sliding Sector</i> , pp. 469-474.	
Xu, Biao	Harbin Inst. of Tech.
Zhou, Di	Harbin Inst. of Tech.

MoA14

1.62 - Brian Anderson

Identification of Wiener and Hammerstein Models (Regular Session)

Chair: Wahlberg, Bo	KTH Royal Inst. of Tech.
Co-Chair: Westwick, David	Univ. of Calgary
10:00-10:20	MoA14.1
<i>Identification of Hammerstein-Wiener Systems with Backlash Input Nonlinearity Bordered by Straight Lines</i> , pp. 475-480.	
Brouri, Adil	L2MC, ENSAM, Univ. moulay Ismail, Meknes, Morocco
Giri, Fouad	Univ. of Caen Basse-Normandie
Ikhouane, Faycal	Univ. Pol. de Catalunya
Chaoui, Fatima-Zahra	ENSET, Univ. Mohamed V
Amdouri, Aomar	ENSET-Rabat
10:20-10:40	MoA14.2
<i>Generation of Initial Estimates for Wiener-Hammerstein Models Via Basis Function Expansions</i> , pp. 481-486.	
Tiels, Koen	Vrije Univ. Brussel
Schoukens, Maarten	Vrije Univ. Brussel
Schoukens, Johan	Vrije Univ. Brussel
10:40-11:00	MoA14.3
<i>Non-Iterative Identification of IIR Wiener Systems Using Orthogonal Polynomial</i> , pp. 487-492.	
Aljamaan, Ibrahim	Univ. OF CALGARY
Westwick, David	Univ. of Calgary
Foley, Michael	Univ. of Calgary
11:00-11:20	MoA14.4
<i>Closed-Loop Identification of Hammerstein Systems with Application to Gas Turbines</i> , pp. 493-498.	

Holcomb, Chad de Callafon, Raymond Bitmead, Robert	Univ. of California San Diego Univ. of California, San Diego Univ. of California San Diego
11:20-11:40	MoA14.5
<i>Generating Initial Estimates for Wiener-Hammerstein Systems Using Phase Coupled Multisines</i> , pp. 499-504.	
Schoukens, Johan	Vrije Univ. Brussel
Tiels, Koen	Vrije Univ. Brussel
Schoukens, Maarten	Vrije Univ. Brussel
11:40-12:00	MoA14.6
<i>Identification of Parallel Wiener-Hammerstein Systems with a Decoupled Static Nonlinearity</i> , pp. 505-510.	
Schoukens, Maarten	Vrije Univ. Brussel
Tiels, Koen	Vrije Univ. Brussel
Ishteva, Mariya	Vrije Univ. Brussel
Schoukens, Johan	Vrije Univ. Brussel
MoA15	1.63 - Stephen Kahne
Power Electronic Converter Control (Regular Session)	
Chair: Fadel, Maurice	LAPLACE - INPT
Co-Chair: Chen, Yousu	Pacific Northwest National Lab.
10:00-10:20	MoA15.1
<i>Control Energy Consumption and System Performance in Vector Control of Voltage Source Converters</i> , pp. 511-516.	
Zhao, Xiaodong	Queen's Univ. Belfast
Li, Kang	Queen's Univ. Belfast
10:20-10:40	MoA15.2
<i>Resonant FCS Predictive Control of Power Converter in Stationary Reference Frame</i> , pp. 517-522.	
Wang, Liuping	RMIT Univ.
Ng, Ki Chun	RMIT Univ.
10:40-11:00	MoA15.3
<i>Bilinear and Nonlinear Control Algorithms for a DC/DC Converter for Multi-Terminal HVDC Networks</i> , pp. 523-528.	
Jimenez Carrizosa, Miguel	LSS Supélec
Damm, Gilney	IBISC Lab. CNRS/Evry Univ.
Benchaib, Abdelkrim	Areva T&D PEM
Netto, Mariana	IFSTAR
Lamnabhi-Lagarrigue, Françoise	CNRS-EECI
Alou, Pedro	Univ. Pol. de Madrid
11:00-11:20	MoA15.4
<i>Nonlinear Robust Control of 3 Phase Inverter with Output LC Filter</i> , pp. 529-533.	
Okur, Beytullah	Yildiz Tech. Univ.
Zergeroglu, Erkan	Gebze Inst. of Tech.
Seker, Murat	Gebze Inst. of Tech.
Tatlicioglu, Enver	Izmir Inst. of Tech.
11:20-11:40	MoA15.5
<i>Nonlinear Control Applied to a Dc-Dc Power Converter and the Load Sharing Problem in a Dc Microgrid</i> , pp. 534-539.	
Lenz Cesar, Eduardo	Federal Univ. of Santa Catarina
Pagano, Daniel Juan	Federal Univ. of Santa Catarina
Stramosk, Vinicius	Univ. Federal de Santa Catarina
11:40-12:00	MoA15.6
<i>Control Induced Explicit Time-Scale Separation to Attain DC Voltage Stability for a VSC-HVDC Terminal</i> , pp. 540-545.	
Chen, Yijing	Lab. des Signaux et Systeme
Damm, Gilney	IBISC Lab. CNRS/Evry Univ.
Benchaib, Abdelkrim	Areva T&D PEM
Netto, Mariana	IFSTAR
Lamnabhi-Lagarrigue, Françoise	CNRS-EECI
MoA16	1.64 - Yong-Zai Lu
Adaptive Observers (Regular Session)	
Chair: Efimov, Denis	INRIA - LNE

Co-Chair: Trofino, Alexandre	Federal Univ. of Santa Catarina
10:00-10:20	MoA16.1
<i>Adaptive Finite-Time Observer for a Nonlinear and Flexible Space Launch Vehicle</i> , pp. 546-551.	
Duraffourg, Elodie	ONERA - ISAE
Burlion, Laurent	ONERA
Ahmed-Ali, Tarek	GREYC-ENSICAEN UMR CNRS 6072
Lamnabhi-Lagarrigue, Françoise	CNRS-ECCI
10:20-10:40	MoA16.2
<i>On Adaptive Measurement Inclusion Rate in Real-Time Moving-Horizon Observers</i> , pp. 552-557.	
Alamir, Mazen	Gipsa-Lab. (CNRS-Univ. of Grenoble)
10:40-11:00	MoA16.3
<i>A Note on Improvement of Adaptive Observer Robustness</i> , pp. 558-562.	
Efimov, Denis	INRIA - LNE
Edwards, Christopher	Univ. of Exeter
Zolghadri, Ali	Univ. Bordeaux I
11:00-11:20	MoA16.4
<i>Switched Observers for State and Parameter Estimation with Guaranteed Cost</i> , pp. 563-568.	
Grala Pinto, Lie Pablo	Federal Univ. of Santa Catarina
Trofino, Alexandre	Federal Univ. of Santa Catarina
11:20-11:40	MoA16.5
<i>Sampled Measurement Adaptive Observer for a Class of State-Affine Nonlinear</i> , pp. 569-574.	
Folin, Théo	Univ. de Caen Basse-Normandie, GREYC
Ahmed-Ali, Tarek	GREYC-ENSICAEN UMR CNRS 6072
Giri, Fouad	Univ. of Caen Basse-Normandie
Lamnabhi-Lagarrigue, Françoise	CNRS-ECCI
11:40-12:00	MoA16.6
<i>Nonlinear Control and Observation of a Boost Converter Associated with a Fuel-Cell Source in Presence of Model Uncertainty</i> , pp. 575-580.	
Tahri, Abdelouahad	ENSET, Mohammed V Univ.
El Fadil, Hassan	ENSA, Ibn Tofail Univ. Kénitra
Giri, Fouad	Univ. of Caen Basse-Normandie
Chaoui, Fatima-Zahra	ENSET, Univ. Mohamed V
MoA17	Marco Polo
Control of Energy Efficient Buildings: Novel Control Strategies and Experimental Evaluations (Invited Session)	
Chair: Parisio, Alessandra	Royal Inst. of Tech. (KTH)
Co-Chair: Johansson, Karl H.	Royal Inst. of Tech.
Organizer: Parisio, Alessandra	Royal Inst. of Tech. (KTH)
Organizer: Johansson, Karl H.	Royal Inst. of Tech.
Organizer: Varagnolo, Damiano	Royal Inst. of Tech.
10:00-10:20	MoA17.1
<i>Building Temperature Control by Simple MPC-Like Feedback Laws Learned from Closed-Loop Data (I)</i> , pp. 581-586.	
Klauco, Martin	Slovak Univ. of Tech. in Bratislava
Drgona, Jan	Slovak Univ. of Tech. in Bratislava
Kvasnica, Michal	Slovak Univ. of Tech. in Bratislava
Di Cairano, Stefano	Mitsubishi Electric Res. Lab.
10:20-10:40	MoA17.2
<i>From Linear to Nonlinear Model Predictive Control of a Building (I)</i> , pp. 587-592.	
Pcolka, Matej	Czech Tech. Univ. in Prague
Zacekova, Eva	Czech Tech. Univ.
Celikovsky, Sergej	Inst. of Information Theory and Automation Acad. CR
Robinet, Rush	Michigan Tech. Univ.
Sebek, Michael	Czech Tech. Univ. in Prague
10:40-11:00	MoA17.3
<i>Frequency-Domain Identification of a Ventilated Room for Model Based Control (I)</i> , pp. 593-598.	
Sturzenegger, David	ETH Zurich
Keusch, Dominik	ETH Zurich

Muffato, Leonardo Angelo Kunz, Dominique Smith, Roy	SAUTER AG SAUTER AG, Basel, Switzerland Swiss Federal Inst. of Tech. (ETH)
11:00-11:20	MoA17.4
<i>Implementation of a Scenario-Based MPC for HVAC Systems: An Experimental Case Study (I)</i> , pp. 599-605.	
Pariso, Alessandra	Royal Inst. of Tech. (KTH)
Varagnolo, Damiano	Luleå Univ. of Tech.
Molinari, Marco	KTH
Pattarello, Giorgio	KTH Royal Inst. of Tech.
Fabietti, Luca	Univ. degli Studi di Padova
Johansson, Karl H.	Royal Inst. of Tech.
11:20-11:40	MoA17.5
<i>Advanced Control Solutions for Building Systems (I)</i> , pp. 606-611.	
Stluka, Petr	Honeywell
Marik, Karel	Honeywell
Endel, Petr	Honeywell
11:40-12:00	MoA17.6
<i>A Reduced Order Model of the Indoor-Air Environment for Energy Efficient Building Studies (I)</i> , pp. 612-619.	
Ben Ayed, Samah	Virginia Tech.
Borggaard, Jeff	Virginia Tech.
Cliff, Eugene	Virginia Pol. Inst. & State Univ.
MoA18	2.43 - Pedro Albertos
Control Problems under Conflict And/or Uncertainties (Regular Session)	
Chair: Maree, Johannes Philippus	Norwegian Univ. of Science and Tech.
Co-Chair: Gomoyunov, Mikhail	Inst. of Mathematics and Mechanics of the Ural Branch of the Russian Acad. of Sciences
10:00-10:20	MoA18.1
<i>A Continuous-Time Markov Decision Process Based Method on Pursuit-Evasion Problem</i> , pp. 620-625.	
Jia, Shengde	National Univ. of Defense Tech.
Wang, Xiangke	National Univ. of Defense Tech.
Ji, Xiaoting	National Univ. of Defense Tech.
Zhu, Huayong	National Univ. of Defense Tech.
10:20-10:40	MoA18.2
<i>Control of Pareto Points for Self-Optimizing Systems with Limited Objective Values</i> , pp. 626-632.	
Keßler, Jan Henning	Univ. of Paderborn, Heinz Nixdorf Inst.
Trächtler, Ansgar	Univ. of Paderborn
10:40-11:00	MoA18.3
<i>Solution Procedure for a Problem of Dynamical Optimization with Control Delays</i> , pp. 633-638.	
Gomoyunov, Mikhail	Inst. of Mathematics and Mechanics of the Ural Branch of the
11:00-11:20	MoA18.4
<i>Performance and Stability for Combined Economic and Regulatory Control in MPC</i> , pp. 639-645.	
Maree, Johannes Philippus	Norwegian Univ. of Science and Tech.
Imsland, Lars	Norwegian Univ. of Science and Tech.
MoA19	2.46 - Vladimir Kucera
Control of Distributed Parameter Systems I (Invited Session)	
Chair: Meurer, Thomas	Christian-Albrechts-Univ. Kiel
Co-Chair: Le Gorrec, Yann	FEMTO-ST, ENSMM
Organizer: Meurer, Thomas	Christian-Albrechts-Univ. Kiel
Organizer: Le Gorrec, Yann	FEMTO-ST, ENSMM
10:00-10:20	MoA19.1
<i>Controllability of the 1D Schrodinger Equation by the Flatness Approach (I)</i> , pp. 646-651.	
Martin, Philippe	Mines ParisTech
Rosier, Lionel	Univ. de Lorraine
Rouchon, Pierre	Mines-ParisTech
10:20-10:40	MoA19.2

<i>On the Feedforward Control Problem for Discretized Port-Hamiltonian Systems (I)</i> , pp. 652-658.		
Kotyczka, Paul		Tech. Univ. München
10:40-11:00		MoA19.3
<i>Motion Planning for Multi-Agent Systems Using Gevrey Trajectories Based on Burgers' Viscous Equation (I)</i> , pp. 659-664.		
Servais, Étienne		Lab. des Signaux et Systèmes, CNRS SUPELEC
Mounier, Hugues		Lab. des Signaux et Systèmes, CNRS SUPELEC Université Pari
D'Andrea-Novel, Brigitte		Ec. des Mines de Paris
11:00-11:20		MoA19.4
<i>Trajectory Planning for a Deep Drawing Tool (I)</i> , pp. 665-670.		
Böhm, Timo		Volkswagen Aktiengesellschaft
Meurer, Thomas		Christian-Albrechts-Univ. Kiel
11:20-11:40		MoA19.5
<i>Nonlinear Physics-Model-Based Actuator Trajectory Optimization for Advanced Scenario Planning in the DIII-D Tokamak (I)</i> , pp. 671-676.		
Barton, Justin		Lehigh Univ.
Schuster, Eugenio		Lehigh Univ.
Luce, Tim		General Atomics
Ferron, J. R.		General Atomics
Walker, Michael		General Atomics
Humphreys, David		General Atomics
Johnson, Robert D.		General Atomics
Penaflo, Benjamin P.		General Atomics
11:40-12:00		MoA19.6
<i>Asymptotic Stability of Time-Varying Semi-Linear Distributed Parameter Systems</i> , pp. 677-682.		
Aksikas, Ilyasse		Qatar Univ.
MoA20		2.63 - Wook Hyun Kwon
Embedded Computer Architectures (Regular Session)		
Chair: Vogel-Heuser, Birgit		Tech. Univ. of Munich
Co-Chair: Kernschmidt, Konstantin		Tech. Univ. München
10:00-10:20		MoA20.1
<i>Improving Resilience of Controllers Using Cognitive Design Patterns</i> , pp. 683-688.		
Sanz, Ricardo		Univ. Pol. de Madrid
Hernández, Carlos		Universidad Pol. de Madrid
Rodríguez, Manuel		Univ. Pol. de Madrid
Bermejo, Julita		Univ. Pol. de Madrid
10:20-10:40		MoA20.2
<i>Control Strategies for Predictable Brownouts in Cloud Computing</i> , pp. 689-694.		
Maggio, Martina		Lund Univ.
Klein, Cristian		Umeå Univ.
Arzen, Karl-Erik		Lund Inst. of Tech.
10:40-11:00		MoA20.3
<i>Programmable Controller with Flexible Redundancy for Safety Functions in a Nuclear Power Plant</i> , pp. 695-700.		
Son, Kwang Seop		Korea Atomic Energy Res. Inst.
Kim, Dong-Hoon		Korea Atomic Energy Inst.
Noh, Jinpyo		Inha Univ.
Park, Jaehyun		Inha Univ.
11:00-11:20		MoA20.4
<i>Frequency Spike Encoding Using Gabor-Like Receptive Fields</i> , pp. 701-706.		
Iakymchuk, Taras		GPDS. Dpt. Electronic Engineering. Univ. Valencia.
Rosado-Muñoz, Alfredo		Univ. of Valencia. SPAIN
Bataller-Mompeán, Manuel		Dpt. Electronic Engineering. Univ. of Valencia. SPAIN
Guerrero-Martínez, Juan Fco.		Dpt. Electronic Engineering. Univ. of Valencia. SPAIN
Frances-Villora, Jose Vicente		GPDS. Dpt. Electronic Engineering. Univ. Valencia.
11:20-11:40		MoA20.5
<i>High-Precision Synchronisation in Wireless Sensor Networks with No Tuning in the Field</i> , pp. 707-712.		
Leva, Alberto		Pol. di Milano

Terraneo, Federico	DEIB, Pol. di Milano
11:40-12:00	MoA20.6
<i>The MAV3DSim: A Simulation Platform for Research, Education and Validation of UAV Controllers</i> , pp. 713-717.	
Lugo Cárdenas, Israel	Univ. of Tech. of Compiègne
Flores, Gerardo	Univ. of Tech. of Compiègne
Lozano, Rogelio	Univ. de Tech. de Compiègne
MoA21	2.64 - Alberto Isidori
Robust Control of Linear Systems (Regular Session)	
Chair: Whidborne, James F.	Cranfield Univ.
Co-Chair: Bokor, Jozsef	Hungarian Acad. of Sciences
10:00-10:20	MoA21.1
<i>A Hyperbolic View on Robust Control</i> , pp. 718-723.	
Szabo, Zoltan	Hungarian Acad. of Sciences
Bokor, Jozsef	Hungarian Acad. of Sciences
Vámos, Tibor	Computer and Automation Inst. Hungarian Acad. of Sciences
10:20-10:40	MoA21.2
<i>Robust Stability Analysis of Discrete-Time Systems with Parametric and Switching Uncertainties</i> , pp. 724-729.	
Peaucelle, Dimitri	LAAS-CNRS
Ebihara, Yoshio	Kyoto Univ.
10:40-11:00	MoA21.3
<i>Robust Control with Compensation of Disturbances for Systems with Quantized Output</i> , pp. 730-735.	
Furtat, Igor	Inst. of Problems of Mechanical Engineering Russian Acad.
Fradkov, Alexander L.	Russian Acad. of Sciences
Liberzon, Daniel	Univ. of Illinois at Urbana-Champaign
11:00-11:20	MoA21.4
<i>Optimization of Linear Parameterizable H^∞ Controllers in the Frequency Domain</i> , pp. 736-741.	
van Solingen, Edwin	Delft Univ. of Tech.
van Wingerden, Jan-Willem	Delft Univ. of Tech.
De Breuker, Roeland	Delft Univ. of Tech.
Verhaegen, Michel	Delft Univ. of Tech.
11:20-11:40	MoA21.5
<i>S-Procedure -- an Infinite Dimensional View</i> , pp. 742-747.	
Szabo, Zoltan	Hungarian Acad. of Sciences
MoA22	2.65 - Ian Craig
Engineering Applications in Manufacturing and Logistics (Regular Session)	
Chair: Li, Kang	Queen's Univ. Belfast
Co-Chair: Li, Kang	Queen's Univ. Belfast
10:00-10:20	MoA22.1
<i>Robust Manual Control of a Manufacturing System Using Supervisory Control Theory</i> , pp. 748-753.	
Bonafilia, Brian	Chalmers Univ. of Tech.
Carlsson, Pontus	Chalmers Univ. of Tech.
Nilsson, Sebastian	Chalmers Univ. of Tech.
Fabian, Martin	Chalmers Univ. of Tech.
10:20-10:40	MoA22.2
<i>Augmented Reality Applications in Manufacturing: A Multi-Criteria Decision Model for Performance Analysis (I)</i> , pp. 754-759.	
Caricato, Pierpaolo	Univ. del Salento
Colizzi, Lucio Nicola	CETMA
Gnoni, Maria Grazia	dept.of engineering for innovation
Grieco, Antonio	Univ. del Salento
Guerrieri, Antonio	Univ. del Salento
Lanzilotto, Alessandra	Univ. del Salento
11:00-11:20	MoA22.4
<i>Conceptual Design and Simulation of an Automotive Body Shop Assembly Line</i> , pp. 760-765.	
Feno, Mahenina Remiel	LSIS
Cauvin, Aline	Lab. des sciences de l'information et des systèmes

Ferrarini, Alain	LSIS - Lab. des Sciences de l'Information et des Systèmes
11:20-11:40	MoA22.5
<i>Advanced Modelling and Optimization of Infared Oven in Injection Stretch Blow-Moulding for Energy Saving</i> , pp. 766-771.	
Yang, Ziqi	Queen's Univ. Belfast
Naeem, Wasif	Queen's Univ. of Belfast
Menary, Gary	Queen's Univ. Belfast
Deng, Jing	Queen's Univ. Belfast
Li, Kang	Queen's Univ. Belfast
11:40-12:00	MoA22.6
<i>Consensus-Based Fuzzy TOPSIS Approach for Supply Chain Coordination: Application to Robot Selection Problem (I)</i> , pp. 772-777.	
Igoulalene, Idris	Aix-Marseille Univ.
Benyoucef, Lyes	Univ. of Aix-Marseille
11:40-12:00	MoA22.7
<i>Genetic Algorithm for Multi-Level Assembly Systems under Stochastic Lead Times</i> , pp. 778-783.	
Ben Ammar, Oussama	École Nationale Supérieure des Mines de Saint Étienne
Dolgui, Alexandre	Ec. Nationale Supérieure des Mines de Saint-Etienne
Marian, Hélène	École Nationale Supérieure des Mines de Saint Étienne
MoA23	2.66
Modeling and Analysis of Biological Networks (Invited Session)	
Chair: Ogunnaike, Babatunde A.	Univ. of Delaware
Co-Chair: Doyle, Frank	Univ. of California
Organizer: Ogunnaike, Babatunde A.	Univ. of Delaware
Organizer: Doyle, Frank	Univ. of California
Organizer: Hahn, Juergen	Rensselaer Pol. Inst.
Organizer: Huang, Zuyi	Villanova Univ.
Organizer: Stelling, Joerg	ETH Zurich
Organizer: Zurakowski, Ryan	Univ. of Delaware
10:00-10:20	MoA23.1
<i>Optimal Multi-Drug Approaches for Reduction of the Latent Pool in HIV (I)</i> , pp. 784-789.	
Vargas-Garcia, Cesar Augusto	Univ. of Delaware
Cannon, LaMont	Univ. of Delaware
Singh, Abhyudai	Univ. of Delaware
Zurakowski, Ryan	Univ. of Delaware
10:20-10:40	MoA23.2
<i>A Control Engineering Model of Calcium Regulation (I)</i> , pp. 790-795.	
Christie, Christopher	Virginia Pol. Inst. & State Univ.
Achenie, Luke E.K.	Virginia Pol. Inst. & State Univ.
Ogunnaike, Babatunde A.	Univ. of Delaware
10:40-11:00	MoA23.3
<i>Structural Identification of Nonlinear Dynamic Biomolecular Feedback and Feedforward Loops (I)</i> , pp. 796-802.	
Lang, Moritz	ETH Zurich
Stelling, Joerg	ETH Zurich
11:00-11:20	MoA23.4
<i>Modeling Framework for Investigating the Influence of Amino Acids on the Planktonic-Biofilm Transition of Pseudomonas Aeruginosa (I)</i> , pp. 803-808.	
Xu, Zhaobin	Villanova Univ.
Fang, Xin	The Henry M. Jackson Foundation for the Advancement of Military
Wood, Thomas	Texas A&M
Huang, Zuyi	Villanova Univ.
11:20-11:40	MoA23.5
<i>A Multivariate Ensemble Approach for Identification of Biomarkers: Application to Breast Cancer (I)</i> , pp. 809-814.	
Thakur, Gunjan	UCSB
Daigle, Jr., Bernie	UCSB
Petzold, Linda	Univ. of California Santa Barbara
Doyle, Frank	Univ. of California
11:40-12:00	MoA23.6

Parameter Set Selection for Signal Transduction Pathway Models Including Uncertainties (I), pp. 815-820.

Dai, Wei	Rensselaer Pol. Inst.
Bansal, Loveleena	Glaxo Smith Kline
Hahn, Juergen	Rensselaer Pol. Inst.

MoA24	Francis Drake
Intelligent Cyber-Enterprise (Regular Session)	
Chair: Dumitrache, Ioan	Univ. Pol. of Bucharest
Co-Chair: Goodwine, Bill	Univ. of Notre Dame
10:00-10:20	MoA24.1
<i>Intelligent Cyber-Enterprise in the Production Context (I)</i> , pp. 821-826.	
Dumitrache, Ioan	Univ. "Pol. Bucharest
Caramihai, Simona Iuliana	Univ. "Pol. Bucharest
10:20-10:40	MoA24.2
<i>Towards the Development of a Cyber-Intelligent Enterprise System Architecture (I)</i> , pp. 827-832.	
Repta, Dragos	Univ. Pol. of Bucharest
Sacala, Ioan Stefan	Univ. Pol. Bucharest
Moiescu, Mihnea Alexandru	Univ. Pol. Bucharest
Stanescu, Aurelian M.	Univ. Pol. of Bucharest
10:40-11:00	MoA24.3
<i>A Hierarchical Model for Multiple Range Production Systems (I)</i> , pp. 833-838.	
Nicoara, Elena Simona	Petroleum-Gas Univ.
Paraschiv, Nicolae	Petroleum-Gas Univ. of Ploiesti
Filip, Florin Gheorghe	Romanian Acad.
11:00-11:20	MoA24.4
<i>Knowledge Management Support in Sensing Enterprises Establishment (I)</i> , pp. 839-844.	
Sarraipa, João	UNINOVA - Inst. de Desenvolvimento de Novas Tecnologias
Beca, Miguel Ferro de	Uninova
Marques-Lucena, Catarina	Faculdade de Ciências e tecnologia, Univ. Nova de Lisboa
Jardim-Goncalves, Ricardo	UNINOVA - Inst. de Desenvolvimento de Novas Tecnologias
11:20-11:40	MoA24.5
<i>Nonlinear Stability and Boundedness of Approximately Symmetric Large-Scale Systems</i> , pp. 845-850.	
Goodwine, Bill	Univ. of Notre Dame
11:40-12:00	MoA24.6
<i>Building Temperature Control with Active Occupant Feedback</i> , pp. 851-856.	
Gupta, Santosh	Rensselaer Pol. Inst.
Kar, Koushik	Rensselaer Pol. Inst.
Mishra, Sandipan	Rensselaer Pol. Inst.
Wen, John T.	Rensselaer Pol. Inst.
MoA25	Poster area
Interactive Session on Transportation and Vehicle Systems (Interactive Session)	
Chair: Basset, Michel	Univ. de Haute-Alsace
Co-Chair: Tedesco, Francesco	Univ. degli Studi della Calabria
10:00-12:00	MoA25.1
<i>Energy Amplification of Streamwise Constant Channel Flow Over Riblets</i> , pp. 857-862.	
Zhao, Shi	Univ. of Oxford
Duncan, Stephen	Univ. of Oxford
10:00-12:00	MoA25.2
<i>Analysis of Wing-In-Ground-Effect Vehicle with Regard to Safety Ensuring Control</i> , pp. 863-868.	
Hahn, Tobias	Univ. of Rostock
Drewelow, Wolfgang	Univ. of Rostock
Dewitz, Detlef	Univ. of Rostock
Kolewe, Björn	Univ. of Rostock
Lampe, Bernhard P.	Univ. of Rostock
10:00-12:00	MoA25.4
<i>The Air-Breathing Hypersonic Vehicle Adaptive Backstepping Control Design Based on the Dynamic Surface</i> , pp. 869-875.	

Lian, Chengbin	Beihang Univ.
Bai, Chen	Beihang Univ.
Ren, Zhang	Beihang Univ.
Shao, Xingyue	Beihang Univ.
10:00-12:00	MoA25.5
<i>Chaotic Artificial Bee Colony Optimization Approach to Aircraft Automatic Landing System</i> , pp. 876-881.	
Luo, Qinan	Beijing Univ. of Aeronautics and Astronautics
Duan, Haibin	Beijing Univ. of Aeronautics and Astronautics
10:00-12:00	MoA25.6
<i>Non-Certainty Equivalence Adaptive Tracking Control for Hypersonic Vehicles</i> , pp. 882-887.	
Liu, Zhen	Inst. of Automation, Chinese Acad. of Sciences
Tan, Xiangmin	Inst. of Automation, Chinese Acad. of Sciences
Yuan, Ruyi	Inst. of Automation, Chinese Acad. of Science
Fan, Guoliang	Inst. of Automation, Chinese Acad. of Science
Yi, Jianqiang	Inst. of Automation, Chinese Acad. of Sciences
10:00-12:00	MoA25.8
<i>Market-Based Distributed Task Assignment for Rendezvous Mission Over Networks with Limited Connectivity</i> , pp. 888-893.	
Oh, Gyeongtaek	Seoul National Univ.
Kim, Youdan	Seoul National Univ.
Ahn, Jaemyung	Korea Advanced Inst. of Science and Tech.
Choi, Han-Lim	KAIST
10:00-12:00	MoA25.9
<i>H[∞] Based Decoupling Tracking Control of Hypersonic Vehicle</i> , pp. 894-899.	
Lan, Xuejing	Huazhong Univ. of Science and Tech.
Wang, Zhishen	Huazhong Univ. of Science and Tech.
Liu, Lei	Huazhong Univ. of Science and Tech.
Wang, Yongji	Huazhong Univ. of Science and Tech.
10:00-12:00	MoA25.10
<i>Controlled Wig Flight Concept</i> , pp. 900-905.	
Nebylov, Alexander	State Univ. of Aerospace Inst.
Nebylov, Vladimir	State Univ. of Aerospace Inst.
10:00-12:00	MoA25.12
<i>Control of Air Pressure Inside an Inflatable Fabric Pocket of an Active Backrest Cushion</i> , pp. 906-911.	
Mehmood, Adeel	Univ. de Haute-Alsace
Orjuela, Rodolfo	MIPS-UHA
Basset, Michel	Univ. de Haute-Alsace
10:00-12:00	MoA25.13
<i>Cyclist Heart Rate Control Via a Continuously Varying Transmission</i> , pp. 912-917.	
Giani, Paolo	Pol. di Milano
Corno, Matteo	Pol. di Milano
Tanelli, Mara	Pol. di Milano
Savaresi, Sergio	Pol. di Milano
10:00-12:00	MoA25.14
<i>Smart Management of Electric Vehicles Charging Operations: The Vehicle-To-Charging Station Assignment Problem</i> , pp. 918-923.	
Clemente, Monica	Univ. of Trieste
Fanti, Maria Pia	Pol. of Bari
Ukovich, Walter	Univ. of Trieste
10:00-12:00	MoA25.15
<i>Testing Traffic Control Strategies in Gaborone Using Dynamic Traffic Assignment Tools</i> , pp. 924-929.	
Papatzikou, Eleni	NAMA Consulting Engineers and Planners S.A.
Stathopoulos, Antony	National Tech. Univ. of Athens
Papadakos, Panos	NAMA Consulting Engineers and Planners S.A.
10:00-12:00	MoA25.16
<i>A Wavelet-Based Approach to Improve Foggy Image Clarity</i> , pp. 930-935.	
Jia, Jianfang	North Univ. of China
Yue, Hong	Univ. of Strathclyde
10:00-12:00	MoA25.17

Two-Class Emission Traffic Control for Freeway Systems, pp. 936-941.

Pasquale, Cecilia

Department of Communication, Computer and Systems Science,
Univ.

Sacone, Simona

Univ. of Genova

Siri, Silvia

Univ. of Genova

10:00-12:00

MoA25.18

Optimal Operating Strategy for Hybrid Railway Vehicles Based on a Sensitivity Analysis, pp. 942-947.

Leska, Maik

Univ. of Rostock

Prabel, Robert

Univ. of Rostock

Aschemann, Harald

Univ. of Rostock

Rauh, Andreas

Univ. of Rostock

10:00-12:00

MoA25.19

A Control System for the Individual Route Guidance in Traffic Flow Networks, pp. 948-956.

Giglio, Davide

Univ. of Genova

Sacco, Nicola

Univ. of Genova

10:00-12:00

MoA25.20

On the Design of a Fault Compensation Algorithm for Consensus Networks (I), pp. 957-962.

Parlangeli, Gianfranco

Univ. degli studi del Salento

MoB01

Ballroom East - Harold Chestnut

Smart Grid Control II (Regular Session)

Chair: Pota, Hemanshu

Univ. of New South Wales

Co-Chair: Korba, Petr

Zurich Univ. of Applied Sciences

13:30-13:50

MoB01.1

Observability and Estimation Methods Using Synchrophasor (I), pp. 963-968.

Kang, Wei

Naval Postgraduate School

Sun, Kai

The Univ. of Tennessee

13:50-14:10

MoB01.2

Autonomous Control, Operation, and Protection of the FREEDM System (I), pp. 969-974.

Huang, Alex

North Carolina State Univ.

Yu, Xunwei

North Carolina State Univ.

She, Xu

GE global Res.

Rezaei, Mohammad Ali

North Carolina State Univ.

Chen, Dong

North Carolina State Univ.

14:10-14:30

MoB01.3

Model-Based Predictive Control Scheme for Cost Optimization and Balancing Services for Supermarket Refrigeration Systems (I), pp. 975-980.

Weerts, Hermanus Henricus Maria

Eindhoven Univ. of Tech.

Shafiei, Seyed Ehsan

Aalborg Univ.

Stoustrup, Jakob

Pacific Northwest National Lab.

Izadi-Zamanabadi, Roozbeh

Danfoss

14:30-14:50

MoB01.4

Model Predictive Control for Power System Frequency Control Taking into Account Imbalance Uncertainty (I), pp. 981-986.

Ersdal, Anne Mai

Norwegian Univ. of Science and Tech.

Fabozzi, Davide

Imperial Coll. London

Imsland, Lars

Norwegian Univ. of Science and Tech.

Thornhill, Nina

Imperial Coll. London

14:50-15:10

MoB01.5

Control and Communication Techniques for the Smart Grid: An Energy Efficiency Perspective, pp. 987-998.

Law, Yee Wei

The Univ. of Melbourne

Pota, Hemanshu

Univ. of New South Wales

Jin, Jiong

Swinburne Univ. of Tech.

Man, Zhihong

Swinburne Univ. of Tech.

Palaniswami, Marimuthy M.

Univ. of Melbourne

15:10-15:30

MoB01.6

Neural Network Inverse Control for the Coordinated System of a 600MW Supercritical Boiler Unit (I), pp. 999-1004.

Ma, Liangyu

North China Electric Power Univ.

Wang, Zhiyan

North China Electric Power Univ.

MoB02		Ballroom West - Aleksander Letov
Nonlinear Predictive Control I (Regular Session)		
Chair: Goebel, Gregor		Univ. of Stuttgart
Co-Chair: Guay, Martin		Queen's Univ.
13:30-13:50		MoB02.1
<i>State Dependent Parametrizations for Nonlinear MPC</i> , pp. 1005-1010.		
Goebel, Gregor		Univ. of Stuttgart
Allgower, Frank		Univ. of Stuttgart
13:50-14:10		MoB02.2
<i>A Filtered Smith Predictor Based Subspace Predictive Controller</i> , pp. 1011-1016.		
da Costa Mendes, Paulo Renato		Federal Univ. of Santa catarina
Normey-Rico, Julio Elias		Federal Univ. of Santa Catarina
Joao Junior, Vilmarque		UFSC
Miranda Cruz, Daniel		UFSC - Univ. Federal de Santa Catarina
14:10-14:30		MoB02.3
<i>Model Predictive Control: A Passive Scheme</i> , pp. 1017-1022.		
Falugi, Paola		Imperial Coll. London
14:30-14:50		MoB02.4
<i>A Time-Varying Extremum-Seeking Control Approach for Discrete-Time Systems with Application to Model Predictive Control</i> , pp. 1023-1028.		
Guay, Martin		Queen's Univ.
Beerens, Ruud		Eindhoven Univ. of Tech.
Nijmeijer, Hendrik		Eindhoven Univ. of Tech.
14:50-15:10		MoB02.5
<i>Distributed Economic MPC: A Framework for Cooperative Control Problems</i> , pp. 1029-1034.		
Muller, Matthias A.		Univ. of Stuttgart
Allgower, Frank		Univ. of Stuttgart
15:10-15:30		MoB02.6
<i>Verification of Performance Bounds for A-Posteriori Quantized Explicit MPC Feedback Laws</i> , pp. 1035-1040.		
Holaza, Juraj		Slovak Univ. of Tech. in Bratislava
Takács, Bálint		Slovak Univ. of Tech. in Bratislava
Kvasnica, Michal		Slovak Univ. of Tech. in Bratislava
MoB03		Auditorium 2 - Eduard Gerecke
Bayesian Methods (Regular Session)		
Chair: Huber, Marco F.		AGT International
Co-Chair: Ljung, Lennart		Linköping Univ.
13:30-13:50		MoB03.1
<i>Echo State Network Based Prediction Intervals Estimation for Blast Furnace Gas Pipeline Pressure in Steel Industry</i> , pp. 1041-1046.		
Sheng, Chunyang		Dalian Univ. of Tech.
Zhao, Jun		Dalian Univ. of Tech.
Wang, Wei		Dalian Univ. of Tech.
Liu, Quanli		Dalian Univ. of Tech.
13:50-14:10		MoB03.2
<i>Constructive State Space Model Induced Kernels for Regularized System Identification</i> , pp. 1047-1052.		
Chen, Tianshi		Linköping Univ. Sweden
Ljung, Lennart		Linköping Univ.
14:10-14:30		MoB03.3
<i>Data-Driven Design of Sliding Mode Controllers for Ferroelectric Actuators (I)</i> , pp. 1053-1058.		
McMahan, Jerry		North Carolina State Univ.
Smith, Ralph C.		North Carolina State Univ.
14:30-14:50		MoB03.4
<i>On-Line Dispersion Source Estimation Using Adaptive Gaussian Mixture Filter</i> , pp. 1059-1066.		
Huber, Marco F.		AGT International

14:50-15:10 MoB03.5

Soft Sensor for Multiphase and Multimode Processes Based on Gaussian Mixture Regression, pp. 1067-1072.

Yuan, Xiaofeng	Zhejiang Univ.
Ge, Zhiqiang	Zhejiang Univ.
Zhang, Hongwei	Zhejiang Univ. State Key Lab. of Industrial Control
Song, Zhi-Huan	Zhejiang Univ.
Wang, Peiliang	Huzhou Teachers Coll.

15:10-15:30 MoB03.6

Outlier Robust System Identification: A Bayesian Kernel-Based Approach, pp. 1073-1078.

Bottegal, Giulio	KTH Royal Inst. of Tech.
Aravkin, Aleksandr	IBM TJ Watson Res. Center
Hjalmarsson, Håkan	KTH
Pillonetto, Gianluigi	Univ. of Padova

MoB05 Da Gama/Diaz

Fault Diagnosis and Tolerance (Regular Session)

Chair: Souza, Afonso Lopes, Jeferson	Escola Pol. da Univ. de São Paulo
Co-Chair: Marseglia, Giuseppe Roberto	Univ. degli studi di Pavia

13:30-13:50 MoB05.1

Fault Diagnosis Based on Robust Observer for Descriptor-LPV Systems with Unmeasurable Scheduling Functions, pp. 1079-1084.

Lopez Estrada, Francisco Ronay	Univ. de Lorraine
Ponsart, Jean-Christophe	CRAN - Nancy-Univ.
Astorga Zaragoza, Carlos Manuel	Centro Nacional de Investigación y Desarrollo Tecnológico
Theilliol, Didier	Univ. of Lorraine
Aberkane, Samir	CRAN, Univ. de Lorraine, Vandoeuvre-lés-Nancy

13:50-14:10 MoB05.2

Algebraic Observability Analysis of Electrical Network with Symbolic Computation: Application on MYRTE Electrical Power Plant, pp. 1085-1089.

Wailly, Olivier	Univ. of Corsica
Heraud, Nicolas	Univ. de Corse
Sambatra, Eric Jean Roy	Inst. Supérieur de Tech. D'Antsiranana

14:10-14:30 MoB05.3

Critical Systems: A New Approach in Mitigation Control Layer, pp. 1090-1095.

Souza, Afonso Lopes, Jeferson	Escola Pol. da Univ. de São Paulo
Santos Filho, Diolino José	Escola Pol. - Univ. of São Paulo (USP)
Miyagi, Paulo Eigi	Univ. of Sao Paulo, Escola Pol.
Squillante Júnior, Reinaldo	Univ. of São Paulo
Ferrarezi, Rodrigo Cesar	Pol. School of the Univ. of São Paulo

14:30-14:50 MoB05.4

ToMFIR-Based Detection and Estimation for Incipient Actuator Faults in a Class of Closed-Loop Nonlinear Systems, pp. 1096-1101.

Wu, Yunkai	Coll. of Automation Engineering, Nanjing Univ. of Aeronau
Jiang, Bin	Nanjing Univ. of Aeronautics and Astronautics
Zhou, Donghua	Tsinghua Univ.
Lu, Ningyun	Nanjing Univ. of Aeronautics and Astronautics
Mao, Zehui	Nanjing Univ. of Aeronautics and Astronautics

14:50-15:10 MoB05.5

Hybrid Stochastic-Deterministic Approach for Active Fault Diagnosis Using Scenario Optimization, pp. 1102-1107.

Marseglia, Giuseppe Roberto	Univ. degli studi di Pavia
Scott, Joseph	Clemson Univ.
Magni, Lalo	Univ. of Pavia
Braatz, Richard D.	Massachusetts Inst. of Tech.
Raimondo, Davide Martino	Univ. degli studi di Pavia

MoB06 2.41 Pawel Nowacki

Motion Control Systems II (Regular Session)

Chair: Gravdahl, Jan Tommy	Norwegian Univ. of Science & Tech.
Co-Chair: Huba, Mikulas	Slovak Univ. of Tech.

13:30-13:50	MoB06.1
<i>CAVIS: A Control Software Architecture for Cooperative Multi-Unmanned Aerial Vehicle-Manipulator Systems</i> , pp. 1108-1113.	
Antonelli, Gianluca	Univ. of Cassino and Southern Lazio
Baizid, Khelifa	Univ. di Cassino e del Lazio Meridionale
Caccavale, Fabrizio	Univ. degli Studi della Basilicata
Giglio, Gerardo	Univ. degli Studi della Basilicata
Pierri, Francesco	Univ. degli Studi della Basilicata
13:50-14:10	MoB06.2
<i>Vector Field Guided Auto-Landing Control of Airship with Wind Disturbance</i> , pp. 1114-1119.	
Kwon, Ji-Wook	Yonsei Univ.
Kim, Jin Hyo	Yonsei Univ.
Seo, Jiwon	Yonsei Univ.
14:10-14:30	MoB06.3
<i>A Comparative Analysis of Repetitive and Resonant Controllers to a Servo-Vision Ball and Plate System</i> , pp. 1120-1125.	
da Silveira Castro, Rafael	PUCRS
Flores, Jeferson Vieira	PUCRS
Salton, Aurelio Tergolina	Pontifícia Univ. Católica do Rio Grande do Sul (PUCRS)
Pereira, Luís Fernando Alves	Univ. Federal do Rio Grande do Sul
14:30-14:50	MoB06.4
<i>Analog Robust Repetitive Control for Nanopositioning Using Bucket Brigade Devices</i> , pp. 1126-1133.	
Eielsen, Arnfinn Aas	Norwegian Univ. of Science and Tech.
Gravdahl, Jan Tommy	Norwegian Univ. of Science & Tech.
Leang, Kam K.	Univ. of Nevada, Reno
14:50-15:10	MoB06.5
<i>Robust Data-Driven Control for the Stage Synchronization Problem</i> , pp. 1134-1139.	
Heertjes, Marcel	Eindhoven Univ. of Tech.
Galluzzo, Marco	Pol. di Torino
Kuindersma, Lucas	ASML
15:10-15:30	MoB06.6
<i>A Framework for the Nonlinear Control of Dual-Stage Systems</i> , pp. 1140-1145.	
Salton, Aurelio Tergolina	Pontifícia Univ. Católica do Rio Grande do Sul (PUCRS)
Flores, Jeferson Vieira	PUCRS
Gomes Da Silva Jr, Joao Manoel	Univ. Federal do Rio Grande do Sul (UFRGS)
Zheng, Jinchuan	Swinburne Univ. of Tech.
Chen, Zhiyong	The Univ. of Newcastle
MoB07	2.44 - Victor Broida
Bio-Signal Analysis and Modelling (Regular Session)	
Chair: Mareels, Iven	The Univ. of Melbourne
Co-Chair: Andreassen, Steen	Aalborg Univ.
13:30-13:50	MoB07.1
<i>Stochastic Analysis of Protein-Mediated and Microrna-Mediated Feedback Circuits in HIV</i> , pp. 1146-1151.	
Fox, Zachary	Univ. of Delaware
Singh, Abhyudai	Univ. of Delaware
13:50-14:10	MoB07.2
<i>A Novel Method for Modelling Cellular Response Genome Stress by Combined Gene-Environment Network (GEN) and Kinetic Theory Framework</i> , pp. 1152-1157.	
Jin-Peng, Qi	Coll. of Information Science & Tech. Donghua Univ.
Qing, Zhang	The Australia E-Health Res. Centre
Jie, Qi	Coll. of Information Science & Tech. Donghua Univ.
14:10-14:30	MoB07.3
<i>Automatic Warning of Epileptic Seizures by SVM: The Long Road Ahead to Success (I)</i> , pp. 1158-1163.	
Direito, Bruno	CISUC, Univ. of Coimbra
Teixeira, César	Univ. of Coimbra
Bandarabadi, Mojtaba	University of Coimbra
Sales, Francisco	Hospitais da Univ. de Coimbra
Dourado, Antonio	Univ. of Coimbra

14:30-14:50		MoB07.4
<i>Limits of Observability in Large-Scale Linear Networked Clocks</i> , pp. 1164-1169.		
O'Sullivan-Greene, Elma		The Univ. of Melbourne
Mareels, Iven		The Univ. of Melbourne
14:50-15:10		MoB07.5
<i>Parameter Identification for State Estimation: Design of an Extended Kalman Filter for Hybridoma Cell Fed-Batch Cultures</i> , pp. 1170-1175.		
Amribt, Zakaria		Univ. Libre de Bruxelles
Dewasme, Laurent		Univ. de Mons
Vande Wouwer, Alain		Univ. de Mons
Bogaerts, Philippe		Univ. Libre de Bruxelles
15:10-15:30		MoB07.6
<i>An Extension to the First Order Model of Pulmonary Mechanics to Capture a Pressure Dependent Elastance in the Human Lung (I)</i> , pp. 1176-1181.		
Knörzer, Andreas		Inst. of Tech. Medicine, Furtwangen Univ.
Docherty, Paul D		Univ. of Canterbury
Chiew, Yeong Shiong		Univ. of Canterbury
Chase, J. Geoffrey		Univ. of Canterbury
Möller, Knut		Inst. of Tech.
MoB08		2.61 - John Lozier
Cooperative Systems (Regular Session)		
Chair: Giselsson, Pontus		Lund Univ.
Co-Chair: Veres, Sandor M		Univ. of Sheffield
13:30-13:50		MoB08.1
<i>Secure Consensus against Message Manipulation Attacks in Synchronous Networks</i> , pp. 1182-1187.		
Zhao, Chengcheng		Zhejiang Univ.
He, Jianping		Zhejiang Univ.
Cheng, Peng		Zhejiang Univ.
Chen, Jiming		Zhejiang Univ.
13:50-14:10		MoB08.2
<i>An Iterative Design Method for Coalitional Control Networks with Constraints on the Shapley Value</i> , pp. 1188-1193.		
Muros Ponce, Francisco Javier		Univ. of Seville
Maestre, Jose M.		Univ. of Seville
Algaba Durán, Encarnación		Univ. of Seville
Alamo, Teodoro		Univ. de Sevilla
Camacho, Eduardo F.		Univ. of Seville
14:10-14:30		MoB08.3
<i>Coordination of Control in Robot Teams Using Game-Theoretic Learning</i> , pp. 1194-1202.		
Smyrnakis, Michalis		Univ. of Sheffield
Veres, Sandor M		Univ. of Sheffield
14:30-14:50		MoB08.4
<i>Improved Dual Decomposition for Distributed Model Predictive Control</i> , pp. 1203-1209.		
Giselsson, Pontus		Lund Univ.
14:50-15:10		MoB08.5
<i>Solving Systems of Linear Equations by Distributed Convex Optimization in the Presence of Stochastic Uncertainty</i> , pp. 1210-1215.		
Wang, Jing		Cummins, Inc.
Elia, Nicola		Iowa State Univ.
15:10-15:30		MoB08.6
<i>Decentralized Detection with Censoring Sensors Over a Packet-Dropping Network</i> , pp. 1216-1221.		
Ren, Xiaoqiang		Hong Kong Univ. of Science and Tech.
Shi, Ling		Hong Kong Univ. of Science and Tech.
MoB09		1.41 - Uolevi Luoto
Formation Flying (Regular Session)		
Chair: Chen, YangQuan		Univ. of California, Merced
Co-Chair: Dobrokhodov, Vladimir		Naval Postgraduate School

13:30-13:50	MoB09.1
<i>Cooperative Autonomy of Multiple Solar-Powered Thermaling Gliders</i> , pp. 1222-1227.	
Dobrokhodov, Vladimir	Naval Postgraduate School
Jones, Kevin	Naval Postgraduate School
Camacho, Nahum	Naval Postgraduate School
13:50-14:10	MoB09.2
<i>Motion Planning and Control of Formations of Micro Aerial Vehicles</i> , pp. 1228-1233.	
Saska, Martin	Czech Tech. Univ.
Kasl, Zdenek	Czech Tech. Univ. in Prague
Preucil, Libor	Czech Tech. Univ. in Prague
14:10-14:30	MoB09.3
<i>Effects of Packet Losses on Formation Control of Unmanned Aerial Vehicles</i> , pp. 1234-1240.	
Buonocore, Luca Rosario	Univ. di Napoli Federico II, Dipartimento di Ingegneria Ele
Lippiello, Vincenzo	Univ. of Naples Federico II
Manfredi, Sabato	Univ. of Naples Federico II
Ruggiero, Fabio	Univ. di Napoli Federico II
Siciliano, Bruno	Univ. degli Studi di Napoli Federico II
14:30-14:50	MoB09.4
<i>UAVs in Formation and Dynamic Encirclement Via Model Predictive Control</i> , pp. 1241-1246.	
Hafez, Ahmed	Queen's Univ.
Iskandarani, Mohamad	Royal Military Coll.
Givigi, Sidney	Royal Military Coll. of Canada
Shahram, Yousefi	Queen's Univ.
Beaulieu, Alain	Royal Military Coll.
14:50-15:10	MoB09.5
<i>Decentralized Coordination of Constrained Fixed-Wing Unmanned Aerial Vehicles: Circular Orbits</i> , pp. 1247-1253.	
Bonyan Khamseh, Hossein	Federal Univ. of Minas Gerais
Pimenta, Luciano	Univ. Federal de Minas Gerais
Torres, Leonardo A. B.	Federal Univ. of Minas Gerais
15:10-15:30	MoB09.6
<i>Optimal Control of a Diffusion Process Using Networked Unmanned Aerial Systems with Smart Health</i> , pp. 1254-1259.	
Stark, Brandon	MESA Lab. Univ. of California, Merced
Rider, Sean	Univ. of California at Merced
Chen, YangQuan	Univ. of California, Merced
MoB10	1.42 - Yoshikazu Sawaragi
Industrial Applications of Process Control II (Regular Session)	
Chair: Brooks, Kevin Seth	BluESP
Co-Chair: Liu, Tao	Dalian Univ. of Tech. (DLUT)
13:30-13:50	MoB10.1
<i>Control Valve Stickband Compensator</i> , pp. 1260-1265.	
Sewdass, Sugith	durban Univ. of Tech.
Govender, Poobalan	Durban Univ. of Tech.
13:50-14:10	MoB10.2
<i>Feedforward-Feedback Control of an Industrial Multicomponent Distillation Column</i> , pp. 1266-1271.	
Porru, Marcella	Univ. degli studi di Cagliari
Baratti, Roberto	Univ. degli Studi di Cagliari
Alvarez, Jesus	Univ. Autonoma Metropolitana
14:10-14:30	MoB10.3
<i>Robust PI Based Set-Point Learning Control for Batch Processes Subject to Time-Varying Uncertainties and Load Disturbance (I)</i> , pp. 1272-1277.	
Liu, Tao	Dalian Univ. of Tech. (DLUT)
Shao, Cheng	Dalian Univ. of Tech.
Wang, Xue	Leeds Univ.
14:30-14:50	MoB10.4
<i>Energy and Emissions Optimisation at Chevron Cape Town</i> , pp. 1278-1283.	
Brooks, Kevin Seth	BluESP

Carr, Andrew	Chevron
Dreyer, Rudi	BluESP
Maksa, Melanie	Chevron
14:50-15:10	MoB10.5
<i>Evaluation of Nonlinear Inferential Models to Estimate the Products Quality of Industrial Distillation Process</i> , pp. 1284-1289.	
Digo, Galina	Inst. of automation and control processes Far Eastern branch
Digo, Natalia	Inst. of automation and control processes Far Eastern branch
Mozharovskii, Igor	Inst. of automation and control processes Far Easternbranch
Torgashov, Andrey	Inst. for Automation and Control Processes FEB RAS
15:10-15:30	MoB10.6
<i>Online Monitoring of an Industrial Semi-Batch Vinyl Acetate Polymerization Reaction by Programmable Logic Controllers</i> , pp. 1290-1295.	
Aller, Fernando	Indra
Blázquez, L. Felipe	Univ. of León
de Miguel, L. Javier	Univ. of Valladolid
MoB11	1.43 - Tibor Vamos
Adaptive Control II (Regular Session)	
Chair: Salamci, Metin U.	Gazi Univ.
Co-Chair: Benosman, Mouhacine	Mitsubishi Electric Res. Lab. (MERL)
13:30-13:50	MoB11.1
<i>State Dependent Riccati Equation Based Model Reference Adaptive Stabilization of Nonlinear Systems with Application to Cancer Treatment</i> , pp. 1296-1301.	
Babaei, Naser	Gazi Univ.
Salamci, Metin U.	Gazi Univ.
13:50-14:10	MoB11.2
<i>Output Control of Nonlinear Systems with Unmodelled Dynamics</i> , pp. 1302-1307.	
Bobtsov, Alexey	ITMO Univ.
Kolyubin, Sergey	St. Petersburg NRU ITMO
Pyrkin, Anton	ITMO Univ.
Kapitonov, Aleksandr	ITMO Univ.
Nikolaev, Nikolay	ITMO Univ.
14:10-14:30	MoB11.3
<i>Adaptive Phasor Control of a Duffing Oscillator with Unknown Parameters</i> , pp. 1308-1313.	
von Wantoch, Thomas	Fraunhofer Inst. for Silicon Tech. (ISIT)
Roeck, Helmut	Christian-Albrechts Univ. of Kiel
Koschmieder, Felix	Christian-Albrechts-Univ. Kiel
Benecke, Wolfgang	Fraunhofer Inst. for Silicon Tech. (ISIT)
14:30-14:50	MoB11.4
<i>Minimum Realization Tuning Strategy for Dynamic Matrix Control</i> , pp. 1314-1319.	
Jeronymo, Daniel Cavalcanti	Federal Univ. of Santa Catarina (UFSC)
Coelho, Antonio Augusto Rodrigues	Federal Univ. of Santa Catarina
14:50-15:10	MoB11.5
<i>A Survey on Reducing Reconfiguration Cost: Reconfigurable PID Control As a Special Case</i> , pp. 1320-1330.	
le Roux, Ronnie Rikus	North West Univ.
van Schoor, George	North-West Univ.
van Vuuren, Pieter Andries	North West Univ.
MoB12	1.44 - Manfred Thoma
Power Plants Control II (Regular Session)	
Chair: Crainic, Emmanuel D	École de technologie supérieure (ÉTS), Montréal, Qc
Co-Chair: Weber, Harald	Univ. of Rostock
13:30-13:50	MoB12.1
<i>Adaptive PD Power-Level Control for Pressurized Water Reactors</i> , pp. 1331-1336.	
Dong, Zhe	Tsinghua Univ.
13:50-14:10	MoB12.2
<i>Design of a Fractional Order PI Controller for Steam Pressure in the Steam Drum of a Bagasse Fired Boiler</i> , pp. 1337-1342.	

Rivas-Perez, Raul	Havana Pol. Univ.
Castillo Garcia, Fernando	Univ. de Castilla-La Mancha
Sotomayor Moriano, Javier	Pontificia Univ. Católica del Perú
Feliu, Vicente	Univ. of Castilla-La Mancha
14:10-14:30	MoB12.3
<i>Improved Load Tracking for Combined Cycle Gas Turbine Plants through Flatness Based Feedforward Control</i> , pp. 1343-1348.	
Hanel, Lutz	Univ. of Stuttgart, IFK
Gutekunst, Florian	Univ. of Stuttgart, IFK
Scheffknecht, Günter	Univ. Stuttgart
14:30-14:50	MoB12.4
<i>Robust Vertical Plasma Stabilization of the Future Tungsten Divertor Configuration of Tore Supra</i> , pp. 1349-1354.	
Nouailletas, Rémy	CEA/IRFM
Nardon, Eric	CEA/IRFM
Bremond, Sylvain	CEA Cadarache
14:50-15:10	MoB12.5
<i>Online Monitoring of Flue Gas Emissions in Power Plants Having Multiple Fuels</i> , pp. 1355-1360.	
Korpela, Timo	Tampere Univ. of Tech.
Björkqvist, Tomas	Tampere Univ. of Tech.
Majanne, Yrjö	Tampere Univ. of Tech.
Lautala, Pentti	Tampere Univ. of Tech.
15:10-15:30	MoB12.6
<i>EU Emission Trading Related CO2 Monitoring in Power Plants</i> , pp. 1361-1366.	
Majanne, Yrjö	Tampere Univ. of Tech.
Korpela, Timo	Tampere Univ. of Tech.
Uotila, Turkka	Tampere Univ. of Tech.
MoB13	1.61 - Boris Tamm
Sliding Mode Control (Regular Session)	
Chair: Kianfar, Kaveh	Simon Fraser Univ.
Co-Chair: Vazquez, Carlos	Umeå Univ.
13:30-13:50	MoB13.1
<i>Cascaded Control of Superheat Temperature of an HVAC System Via Super Twisting Sliding Mode Control</i> , pp. 1367-1373.	
Kianfar, Kaveh	Simon Fraser Univ.
Izadi-Zamanabadi, Roozbeh	Danfoss
Saif, Mehrdad	Univ. of Windsor
13:50-14:10	MoB13.2
<i>Time-Varying Gain Second Order Sliding Mode Differentiator</i> , pp. 1374-1379.	
Vazquez, Carlos	Umeå Univ.
Aranovskiy, Stanislav	Saint-Petersburg State Univ. of Information Technologies Mech
Freidovich, Leonid	Umeå Univ.
14:10-14:30	MoB13.3
<i>Higher Order Sliding Mode Control Based on Adaptive First Order Sliding Mode Controller</i> , pp. 1380-1385.	
Taleb, Mohammed	IRCCyN - Ec. Centrale de Nantes - CNRS
Plestan, Franck	Ec. Centrale De Nantes-CNRS
Bououlid Idrissi, Badr	Ismael Mouley Univ.
14:30-14:50	MoB13.4
<i>Pole-Placement in Higher-Order Sliding-Mode Control</i> , pp. 1386-1391.	
Hernandez, Debbie	Cinvestav
Castaños, Fernando	CINVESTAV
Fridman, Leonid M.	National Autonomous Univ. of Mexico
14:50-15:10	MoB13.5
<i>Distributed Tracking of First Order Systems Using Second-Order Sliding Modes</i> , pp. 1392-1397.	
Davila, Jorge	National Pol. Inst. (IPN, ESIME - UPT)
15:10-15:30	MoB13.6
<i>Design of Sliding Mode Controllers for Mismatched Uncertain Systems with Unmeasurable States to Achieve Asymptotic Stability</i> , pp. 1398-1403.	
Cheng, Chih-Chiang	National Sun Yat-Sen Univ.

MoB14	1.62 - Brian Anderson
Input Design (Regular Session)	
Chair: Häggblom, Kurt-Erik	Abo Akademi Univ.
Co-Chair: Prandini, Maria	Pol. di Milano
13:30-13:50	MoB14.1
<i>A Graph/particle-Based Method for Experiment Design in Nonlinear Systems</i> , pp. 1404-1409.	
Valenzuela, Patricio E.	KTH Royal Inst. of Tech.
Dahlin, Johan	Linköping Univ.
Rojas, Cristian	KTH Royal Inst. of Tech.
Schön, Thomas Bo	Uppsala Univ.
13:50-14:10	MoB14.2
<i>Input Signal Generation for Constrained Multiple-Input Multiple-Output Systems</i> , pp. 1410-1415.	
Hägg, Per	KTH Royal Inst. of Tech.
Larsson, Christian A.	KTH Royal Inst. of Tech.
Ebadat, Afrooz	KTH
Wahlberg, Bo	KTH Royal Inst. of Tech.
Hjalmarsson, Håkan	KTH
14:10-14:30	MoB14.3
<i>Control Input Design: Detecting Non Influential Inputs While Satisfying a Reachability Specification</i> , pp. 1416-1421.	
Vignali, Riccardo	Pol. DI MILANO
Deori, Luca	Pol. di Milano
Prandini, Maria	Pol. di Milano
14:30-14:50	MoB14.4
<i>Applications Oriented Input Design in Time-Domain through Cyclic Methods</i> , pp. 1422-1427.	
Ebadat, Afrooz	KTH
Wahlberg, Bo	KTH Royal Inst. of Tech.
Hjalmarsson, Håkan	KTH
Rojas, Cristian	KTH Royal Inst. of Tech.
Hägg, Per	KTH Royal Inst. of Tech.
Larsson, Christian A.	KTH Royal Inst. of Tech.
14:50-15:10	MoB14.5
<i>On Experiment Design for Identification of Ill-Conditioned Systems</i> , pp. 1428-1433.	
Häggblom, Kurt-Erik	Abo Akademi Univ.
15:10-15:30	MoB14.6
<i>Model Predictive Control Combined with Model Discrimination and Fault Detection</i> , pp. 1434-1439.	
Cheong, Seunggyun	Univ. of Sydney
Manchester, Ian	Massachusetts Inst. of Tech.
MoB15	1.63 - Stephen Kahne
Computational Intelligence Application to Power Systems (Regular Session)	
Chair: Folly, Komla	Univ. of Cape Town
Co-Chair: Vale, Zita	Pol. Inst. of Porto
13:30-13:50	MoB15.1
<i>Neural Network Evaluation of Combustion Process for Continuous Control of Small Scale Biomass Fired Boilers</i> , pp. 1440-1445.	
Vrána, Stanislav	Czech Tech. Univ. in Prague
Placek, Viktor	Czech Tech. Univ. in Prague, Faculty of Mechanical Engi
Oswald, Cyril	Czech Tech. Univ. in Prague
Sulc, Bohumil	Czech Tech. Univ. in Prague
Neuman, Petr V	CEPS, a.s.
13:50-14:10	MoB15.2
<i>A Comparative Study of Water Wall Model Using a Linear Model and a Neural Network Model (I)</i> , pp. 1446-1451.	
Moon, Un-Chul	ChungAng Univ.
Lim, Jaewoo	ChungAng Univ.
Go, Goen	ChungAng Univ.

Lee, Kwang Y.	Baylor Univ.
14:10-14:30	MoB15.3
<i>Stability Analysis of an Agent-Based Smart Grid Control Marketplace (I)</i> , pp. 1452-1458.	
Wior, Ireneus Rudolf	Helmut-Schmidt-Univ.
Linnenberg, Tobias	Helmut Schmidt Univ. Hamburg
Fay, Alexander	Helmut Schmidt Univ.
14:30-14:50	MoB15.4
<i>Supervisory Fuzzy Predictive Control for a Concentrated Solar Power Plant</i> , pp. 1459-1464.	
Morales, Raul	Univ. de Chile
Valencia, Felipe	Univ. de Chile
Saez, Doris	Univ. de Chile
Lacalle, Matias	Univ. de Chile
14:50-15:10	MoB15.5
<i>Enkos - the Smart Home System Basing on Learning Classifier Systems</i> , pp. 1465-1470.	
Doebel, Christian	TITK (Thoringian Inst. for Textile and Plastics Res.
Ament, Christoph	Tech. Univ. Ilmenau
15:10-15:30	MoB15.6
<i>Approach for Rotor Flux Estimation of a Bearingless Induction Motor Using an Adaptive Hybrid Neuro-Fuzzy Structure*</i> .	
Batista Lopes, José Soares	IFRN
Pereira, Luciano	IFRN
Paiva, José Á.	IFRN
Victor, Valci	IFTO
Maitelli, André Laurindo	Federal Univ. of Rio Grande do Norte
Salazar, Andres Ortiz	UFRN
MoB16	1.64 - Yong-Zai Lu
Switching and Quantization in Adaptive Control (Regular Session)	
Chair: Siahhan, Hardy B.	International Res. Inst. of Stavanger (IRIS)
Co-Chair: Battistelli, Giorgio	Univ. of Florence
13:30-13:50	MoB16.1
<i>Adaptive Observer for Switching Linear Parameter-Varying (LPV) Systems</i> , pp. 1471-1476.	
Rotondo, Damiano	Univ. Pol. de Catalunya
Reppa, Vasso	Univ. of Cyprus
Puig, Vicenc	Univ. Pol. de Catalunya
Nejjari, Fatiha	Univ. Pol. de Catalunya
13:50-14:10	MoB16.2
<i>Passification-Based Adaptive Control with Quantized Measurements</i> , pp. 1477-1482.	
Selivanov, Anton	St.Petersburg State Univ.
Fradkov, Alexander L.	Russian Acad. of Sciences
Liberzon, Daniel	Univ. of Illinois at Urbana-Champaign
14:10-14:30	MoB16.3
<i>Switching Control for Adaptive Disturbance Attenuation</i> , pp. 1483-1488.	
Battistelli, Giorgio	Univ. of Florence
Mari, Daniele	Univ. of Florence
Selvi, Daniela	Univ. of Florence
Tesi, Alberto	Univ. di Firenze
Tesi, Pietro	Univ. of Groningen
14:30-14:50	MoB16.4
<i>Improving the Transient Performance of Unfalsified Adaptive Control with Modified Hysteresis Algorithms</i> , pp. 1489-1494.	
Jin, Huiyu	Xiamen Univ.
Siahhan, Hardy B.	International Res. Inst. of Stavanger (IRIS)
Chang, Michael	Univ. of Southern California
Safonov, Michael G.	Univ. of Southern California
14:50-15:10	MoB16.5
<i>New Results on Finite-Time Stability of Switched Linear Systems with Average Dwell Time</i> , pp. 1495-1500.	
Wang, Shun	Harbin Inst. of Tech.
Zeng, Ming	Harbin Inst. of Tech.

Yu, Zhiwei
Liu, Yu

Harbin Inst. of Tech.
Harbin Inst. of Tech.

MoB17		Marco Polo
Output Regulation, Model Matching and Optimization of Hybrid Systems (Invited Session)		
Chair: Menini, Laura		Univ. di Roma 'Tor Vergata'
Co-Chair: Middleton, Richard		The Univ. of Newcastle
Organizer: Galeani, Sergio		Univ. Di Roma Tor Vergata
Organizer: Menini, Laura		Univ. di Roma 'Tor Vergata'
13:30-13:50		MoB17.1
<i>Model Matching Problems for Switching Linear Systems (I)</i> , pp. 1501-1506.		
Conte, Giuseppe		Univ. Pol. delle Marche
Perdon, Anna Maria		Univ. Pol. delle Marche
Zattoni, Elena		Alma Mater Studiorum - Univ. of Bologna
13:50-14:10		MoB17.2
<i>A Convexity Result for the Optimal Control of a Class of Positive Nonlinear Systems (I)</i> , pp. 1507-1512.		
Blanchini, Franco		Univ. degli Studi di Udine
Colaneri, Patrizio		Pol. di Milano
Middleton, Richard		The Univ. of Newcastle
14:10-14:30		MoB17.3
<i>On Output Regulation in State-Constrained Systems: An Application to Polyhedral Case (I)</i> , pp. 1513-1518.		
Tanwani, Aneel		Inst. National de Recherche en Informatique et Automatique (I
Brogliato, Bernard		UR Rhone-Alpes
Prieur, Christophe		CNRS
14:30-14:50		MoB17.4
<i>Robust Semiclassical Internal Model Based Regulation for a Class of Hybrid Linear Systems (I)</i> , pp. 1519-1524.		
Carnevale, Daniele		Univ. di Roma , Tor Vergata
Galeani, Sergio		Univ. Di Roma Tor Vergata
Menini, Laura		Univ. di Roma 'Tor Vergata'
Sassano, Mario		Univ. of Rome, Tor Vergata
14:50-15:10		MoB17.5
<i>Design of Robust Internal Models for a Class of Linear Hybrid Systems (I)</i> , pp. 1525-1530.		
Cox, Nicholas		Univ. of California, Santa Barbara
Marconi, Lorenzo		Univ. di Bologna
Teel, Andrew R.		Univ. of California at Santa Barbara
15:10-15:30		MoB17.6
<i>Output Regulation of Hybrid Linear Systems with Unpredictable Jumps (I)</i> , pp. 1531-1536.		
Carnevale, Daniele		Univ. di Roma , Tor Vergata
Galeani, Sergio		Univ. Di Roma Tor Vergata
Menini, Laura		Univ. di Roma 'Tor Vergata'
Sassano, Mario		Univ. of Rome, Tor Vergata
MoB18		2.43 - Pedro Albertos
Differential or Dynamic Games (Regular Session)		
Chair: Cannon, Mark		Univ. of Oxford
Co-Chair: Kumkov, Sergey		Inst. of Mathematics and Mechanics UrB RAS
13:30-13:50		MoB18.1
<i>Robust Consensus in Social Networks and Coalitional Games</i> , pp. 1537-1542.		
Bauso, Dario		Univ. di Palermo
Cannon, Mark		Univ. of Oxford
Fleming, James		Department of Engineering Science, Univ. of Oxford
13:50-14:10		MoB18.2
<i>Solvability Sets in Pursuit Problem with Two Pursuers and One Evader</i> , pp. 1543-1549.		
Kumkov, Sergey		Inst. of Mathematics and Mechanics UrB RAS
Patsko, Valerii		Inst. of Math&Mech
Le Menec, Stephane		MBDA France
14:10-14:30		MoB18.3

On Numerical Solution of Differential Games in Classes of Mixed Strategies, pp. 1550-1555.

Kornev, Dmitri

Ural Federal Univ.

Lukoyanov, Nikolay

Inst. of Mathematics and Mechanics of the Ural Branch of the Rus

14:30-14:50

MoB18.4

The Target Guarding Problem Revisited: Some Interesting Revelations, pp. 1556-1561.

Harini Venkatesan, Raghav

Indian Inst. of Tech. Madras

Sinha, Nandan Kumar

Indian Inst. of Tech. Madras, India

MoB19

2.46 - Vladimir Kucera

Control of Distributed Parameter Systems II (Invited Session)

Chair: Meurer, Thomas

Christian-Albrechts-Univ. Kiel

Co-Chair: Le Gorrec, Yann

FEMTO-ST, ENSMM

Organizer: Meurer, Thomas

Christian-Albrechts-Univ. Kiel

Organizer: Le Gorrec, Yann

FEMTO-ST, ENSMM

13:30-13:50

MoB19.1

Explicit Boundary Control of a Reaction-Diffusion Equation on a Disk (I), pp. 1562-1567.

Vazquez, Rafael

Univ. de Sevilla

Krstic, Miroslav

Univ. of California at San Diego

13:50-14:10

MoB19.2

Simultaneous Boundary and Distributed Feedback Control of the Current Profile in H-Mode Discharges on DIII-D (I), pp. 1568-1573.

Boyer, Mark D.

Lehigh Univ.

Barton, Justin

Lehigh Univ.

Schuster, Eugenio

Lehigh Univ.

Ferron, J. R.

General Atomics

Walker, Michael

General Atomics

Humphreys, David

General Atomics

Luce, Tim

General Atomics

Johnson, Robert D.

General Atomics

Penaflo, Benjamin P.

General Atomics

14:10-14:30

MoB19.3

Boundary Optimal Control of Coupled Parabolic PDE-ODE Systems (I), pp. 1574-1579.

Mohammadi, Leily

Univ. of Alberta

Aksikas, Ilyasse

Qatar Univ.

Dubljevic, Stevan

University of Alberta

Forbes, J. Fraser

Univ. of Alberta

14:30-14:50

MoB19.4

Energy Shaping of Boundary Controlled Linear Port Hamiltonian Systems (I), pp. 1580-1585.

Le Gorrec, Yann

FEMTO-ST, ENSMM

Macchelli, Alessandro

Univ. of Bologna - Italy

Ramirez, Hector

FEMTO-ST, UFC

Zwart, Hans

Univ. of Twente

14:50-15:10

MoB19.5

Boundary Energy-Shaping Control of the Shallow Water Equation (I), pp. 1586-1591.

Macchelli, Alessandro

Univ. of Bologna - Italy

MoB20

2.63 - Wook Hyun Kwon

Embedded Computer Control Systems and Applications (Regular Session)

Chair: Marcos, Marga

ETSI Bilbao, Univ. del País Vasco

Co-Chair: Alonso, Alejandro

Univ. Pol. de Madrid

13:30-13:50

MoB20.1

Model-Driven Design of Real-Time Software for an Experimental Satellite, pp. 1592-1598.

de la Puente, Juan Antonio

Univ. Pol. de Madrid

Garrido, Jorge

Univ. Pol. de Madrid

Zamorano, Juan

Univ. Pol. de Madrid

Alonso, Alejandro

Univ. Pol. de Madrid

13:50-14:10

MoB20.2

A Testing Pattern for Automatic Control Software Addressing Different Degrees of Process Autonomy and Cooperation, pp.

1599-1604.	Saglietti, Francesca Lill, Raimar	Univ. of Erlangen-Nuremberg Univ. of Erlangen-Nuremberg
14:10-14:30		MoB20.3
<i>Automated Custom Code Generation for Embedded, Real-Time Second Order Cone Programming</i> , pp. 1605-1612.		
	Dueri, Daniel Zhang, Jing Acikmese, Behcet	Univ. of Texas at Austin Univ. of Texas at Austin The Univ. of Texas at Austin
14:30-14:50		MoB20.4
<i>Active Queue Management in Wireless Networks by Using Nonlinear Extended Network Disturbance</i> , pp. 1613-1618.		
	Lin, Chun-Liang Hsu, Ping-Min	National Chung Hsing Univ. National Chung Hsing Univ.
14:50-15:10		MoB20.5
<i>Operating Experience of Programs and Changing Demand Profile – Consideration of Paths</i> , pp. 1619-1624.		
	Ehrenberger, Wolfgang D.	Hochschule Fulda
15:10-15:30		MoB20.6
<i>Formalization and Composition of Languages for the Modeling of Fire Safety Systems</i> , pp. 1625-1630.		
	Chanti, Houda Thiry, Laurent Hassenforder, Michel Brilhac, Jean-François Fromy, Philippe	Haute Alsace Univ. ENSISA ENSISA ENSISA LGRE Centre Scientifique et Tech. du Bâtiment
MoB21		2.64 - Alberto Isidori
Robust Control of Constrained and Nonlinear Systems (Regular Session)		
	Chair: Kim, Jongrae Co-Chair: Daryin, Alexander	Univ. of Glasgow Moscow State (Lomonosov) Univ.
13:30-13:50		MoB21.1
<i>An Inverse Optimality Argument to Improve Robustness in Constrained Control</i> , pp. 1631-1636.		
	Nguyen, Ngoc Anh Olaru, Sorin Rodriguez-Ayerbe, Pedro Hovd, Morten	Supélec Sciences des Systèmes (E3S), SUPELEC Supelec Supelec Norwegian Univ. of Tech. and Science
13:50-14:10		MoB21.2
<i>Joint Design of Stochastically Safe Setpoints and Controllers for Nonlinear Constrained Systems by Means of Optimization</i> , pp. 1637-1642.		
	Gillis, Joris Horn, Gregory Mainland Diehl, Moritz	KU Leuven KU Leuven K.U. Leuven
14:10-14:30		MoB21.3
<i>Robust Controller Design for Feedback Systems with Uncertain Backlash and Plant Uncertainties Subject to Inputs Satisfying Bounding Conditions</i> , pp. 1643-1648.		
	Nguyen, Hoang Hai Arunawatwong, Suchin	Chulalongkorn Univ. Chulalongkorn Univ.
14:30-14:50		MoB21.4
<i>Randomized Nonlinear MPC for Uncertain Control-Affine Systems with Bounded Closed-Loop Constraint Violations</i> , pp. 1649-1654.		
	Zhang, Xiaojing Grammatico, Sergio Margellos, Kostas Goulart, Paul J. Lygeros, John	ETH Zurich ETH Zurich ETH Zurich ETH Zurich ETH Zurich
14:50-15:10		MoB21.5
<i>The Specifics of Closed-Loop Impulse Control</i> , pp. 1655-1660.		
	Daryin, Alexander Kurzanski, A.B.	Moscow State (Lomonosov) Univ. Moscow State Univ. and Univ. of California, Berkeley
15:10-15:30		MoB21.6
<i>State Bounds Estimation for Nonlinear Systems Using Mu-Analysis</i> , pp. 1661-1666.		

Kim, Jongrae
Kishida, Masako
Bates, Declan G.

Univ. of Glasgow
Univ. of Canterbury
Univ. of Exeter

MoB22		2.65 - Ian Craig
Modeling of Manufacturing Operations (Regular Session)		
Chair: Lennartson, Bengt		Chalmers Univ. of Tech.
Co-Chair: Moon, Dug Hee		Changwon National Univ.
13:30-13:50		MoB22.1
<i>Analysis of Multi-Server Two-Stage Queueing Network with Split and Blocking</i> , pp. 1667-1671.		
Shin, Yang Woo		Changwon National Univ.
Moon, Dug Hee		Changwon National Univ.
13:50-14:10		MoB22.2
<i>Modeling, Analysis, and Improvement of a Multi-Product Furniture Assembly Line</i> , pp. 1672-1677.		
Zhao, Cong		Univ. of Wisconsin - Madison
Li, Jingshan		Univ. of Wisconsin - Madison
14:10-14:30		MoB22.3
<i>A Simulation Study on the Layout Design of Micro Assembly Line for Lens Module</i> , pp. 1678-1683.		
Moon, Dug Hee		Changwon National Univ.
Zhang, Bing Lin		Hirain Tech.
Shin, Yang Woo		Changwon National Univ.
Song, Min Joon		Changwon National Univ.
Park, Chul Soon		Changwon National Univ.
14:30-14:50		MoB22.4
<i>Modeling and Optimization of Synchronous Behavior for Packaging Machines</i> , pp. 1684-1691.		
Kanthabhabhaje, Sathyamyla		Chalmers Univ. of Tech.
Lennartson, Bengt		Chalmers Univ. of Tech.
14:50-15:10		MoB22.5
<i>A Bernoulli Model of Selective Assembly Systems</i> , pp. 1692-1697.		
Ju, Feng		Univ. of Wisconsin - Madison
Li, Jingshan		Univ. of Wisconsin - Madison
15:10-15:30		MoB22.6
<i>Rescheduling of Interacting Machines in Automated Container Terminals</i> , pp. 1698-1704.		
Xin, Jianbin		Delft Univ. of Tech.
Negenborn, Rudy		Delft Univ. of Tech.
Lodewijks, Gabriël		Delft Univ. of Tech.
MoB23		2.66
Modelling, Analysis and Design Methods for Heterogeneous Cell Populations (Invited Session)		
Chair: Waldherr, Steffen		Otto-von-Guericke-Univ. Magdeburg
Co-Chair: Hasenauer, Jan		Helmholtz Zentrum München
Organizer: Waldherr, Steffen		Otto-von-Guericke-Univ. Magdeburg
Organizer: Koepl, Heinz		ETH Zurich
13:30-13:50		MoB23.1
<i>Population Balance Modeling of Biopolymer Production in Cellular Systems (I)</i> , pp. 1705-1710.		
Franz, André		Max Planck Inst. for Dynamics of Complex Tech. Systems
Dürr, Robert		Otto-von-Guericke Univ. Magdeburg
Kienle, Achim		Univ. Magdeburg
13:50-14:10		MoB23.2
<i>Determining the Long-Term Behavior of Cell Populations: A New Procedure for Detecting Ergodicity in Large Stochastic Reaction Networks (I)</i> , pp. 1711-1716.		
Gupta, Ankit		ETH Zurich
Khammash, Mustafa H.		Swiss Federal Inst. of Tech. (ETH)
14:10-14:30		MoB23.3
<i>Identifiability of Population Models Via a Measure Theoretical Approach (I)</i> , pp. 1717-1722.		
Waldherr, Steffen		Otto-von-Guericke-Univ. Magdeburg
Zeng, Shen		Univ. of Stuttgart

Allgower, Frank	Univ. of Stuttgart
14:30-14:50	MoB23.4
<i>Sparse Learning of Markovian Population Models in Random Environments (I)</i> , pp. 1723-1728.	
Zechner, Christoph	ETH Zurich
Wadehn, Federico	ETH Zurich
Koepl, Heinz	ETH Zurich
14:50-15:10	MoB23.5
<i>Modeling of Stochastic Biological Processes with Non-Polynomial Propensities Using Non-Central Conditional Moment Equation (I)</i> , pp. 1729-1735.	
Kazeroonian, Atefeh	Helmholtz Zentrum München
Theis, Fabian J.	Helmholtz Zentrum München
Hasenauer, Jan	Helmholtz Zentrum München
15:10-15:30	MoB23.6
<i>Robustness Analysis of Genetic Circuits Constructed by Bottom-Up Strategy (I)</i> , pp. 1736-1741.	
Inoue, Masaki	Tokyo Inst. of Tech.
Arai, Takayuki	Tokyo Inst. of Tech.
Imura, Jun-ichi	Tokyo Inst. of Tech.
Kashima, Kenji	Osaka Univ.
Aihara, Kazuyuki	Univ. of Tokyo
MoB24	Francis Drake
Intelligent Controllers (Regular Session)	
Chair: Sekaj, Ivan	Fac. of Electrical Engineering
Co-Chair: Pedro, Jimoh Olarewaju	Univ. of the Witwatersrand
13:30-13:50	MoB24.1
<i>Controlling a Motion Platform Beyond Its Anti-Resonance</i> , pp. 1742-1747.	
Ari, Evrim Onur	ASELSAN Inc.
Kocaoglan, Erol	Middle East Tech. Univ.
13:50-14:10	MoB24.2
<i>Optimization of Robotic Arm Trajectory Using Genetic Algorithm</i> , pp. 1748-1753.	
Stevo, Stanislav	Inst. of Control and Industrial Informatics, Faculty of Elec
Sekaj, Ivan	Fac. of Electrical Engineering
Dekan, Martin	Slovak Univ. of Tech. in Bratislava
14:10-14:30	MoB24.3
<i>Position-Dependent Repetitive Control for Speed Ripple Reduction of Ultrasonic Motor</i> , pp. 1754-1759.	
Chen, Chun-Lin	National Cheng Kung Univ. Department of Mechanical Enginee
Tsai, Mi-Ching	National Cheng Kung Univ.
14:30-14:50	MoB24.4
<i>Interconnection and Damping Assignment Control Via Reinforcement Learning</i> , pp. 1760-1765.	
Nagesh Rao, Subramanya Prasad	Delft Univ. of Tech.
Lopes, Gabriel	Delft Univ. of Tech.
Jeltsema, Dimitri	Delft Univ. of Tech.
Babuska, Robert	Delft Univ. of Tech.
14:50-15:10	MoB24.5
<i>Control of Uncertain Teleoperators with Time-Delays Using Artificial Neural Networks</i> , pp. 1766-1771.	
Miranda, Cheasare	Univ. of Guadalajara
De la Mora, Alberto	Univ. of Guadalajara
Nuño, Emmanuel	Univ. of Guadalajara
15:10-15:30	MoB24.6
<i>Particle Swarm Optimized Intelligent Control of Nonlinear Full-Car Electrohydraulic Suspensions</i> , pp. 1772-1777.	
Pedro, Jimoh Olarewaju	Univ. of the Witwatersrand
Dangor, Muhammed	Univ. of the Witwatersrand
Dahunsi, Olurotimi Akintunde	Univ. OF THE WITWATERSRAND, SOUTH AFRICA
Ali, M. Montaz	Univ. of the Witwatersrand

MoB25	Poster area
Interactive Session on Signals and Systems (Interactive Session)	

Chair: Ishii, Hideaki	Tokyo Inst. of Tech.
Co-Chair: Giua, Alessandro	Univ. of Cagliari, Italy / Aix-Marseille Univ. France
13:30-15:30	MoB25.1
<i>Identification of Uncertain, Spatially Varying Parameters through Multilevel Sampling (I)</i> , pp. 1778-1783.	
van Wyk, Hans-Werner van wyk	Florida State Univ.
13:30-15:30	MoB25.2
<i>Diagnosis of Labeled Time Petri Nets Using Time Interval Splitting</i> , pp. 1784-1789.	
Liu, Baisi	Ec. Centrale de Lille
Ghazel, Mohamed	IFSTTAR
Toguyeni, Armand	Ec. Lille
13:30-15:30	MoB25.3
<i>A Constraint Selection Technique for Recursive Set Membership Identification</i> , pp. 1790-1795.	
Casini, Marco	Univ. di Siena
Garulli, Andrea	Univ. di Siena
Vicino, Antonio	Univ. di Siena
13:30-15:30	MoB25.4
<i>Dynamic Valuation-Based System for Reliability Assessment of Systems</i> , pp. 1796-1801.	
Qiu, Siqi	Compiegne Univ. of Tech.
Sallak, Mohamed	Compiegne Univ. of Tech.
Schön, Walter	Compiegne Univ. of Tech.
Cherfi-Boulanger, Zohra	Compiegne Univ. of Tech.
13:30-15:30	MoB25.5
<i>Detection of Temporal Dependencies in Alarm Time Series of Industrial Plants</i> , pp. 1802-1807.	
Folmer, Jens	Tech. Univ. München, Faculty of MechanicalEngineering
Schuricht, Falk	Tech. Univ. München
Vogel-Heuser, Birgit	Tech. Univ. of Munich
13:30-15:30	MoB25.6
<i>Collision-Free Vehicle Formation Control Using Graph Laplacian and Edge-Tension Function</i> , pp. 1808-1812.	
Mahmood, Arshad	Gyeongsang National Univ.
Kim, Yoonsoo	Gyeongsang National Univ.
13:30-15:30	MoB25.7
<i>Cooperative Output Regulation of Multi-Agent Systems Coupled by Dynamic Edges</i> , pp. 1813-1818.	
Xiang, Ji	Zhejiang Univ. Yuquan Campus
Li, Yanjun	Zhejiang Univ. City Coll.
Hill, David J.	The Univ. of Sydney
13:30-15:30	MoB25.8
<i>Asymptotic Average Consensus of Continuous-Time Multi-Agent Systems with Dynamically Quantized Communication</i> , pp. 1819-1824.	
Yu, Shuanghe	School of Information Science and Tech. Dalian Maritime Un
Wang, Yilin	School of Information Science and Tech. Dalian Maritime Un
Jin, Lina	School of Information Science and Tech. Dalian Maritime Un
Zheng, Kai	Dalian Maritime Univ. China
13:30-15:30	MoB25.9
<i>Leader-Following Output Consensus in a Network of Linear Agents with Communication Noises</i> , pp. 1825-1830.	
Wang, Yunpeng	Inst. of Automation, Chinese Acad. of Sciences
Cheng, Long	Inst. of Automation, Chinese Acad. of Sciences
Hou, Zeng-Guang	Chinese Acad. of Science
Tan, Min	Inst. of Automation, Chinese Acad. of Sciences
Wang, Ming	Shangdong Jianzhu Univ.
13:30-15:30	MoB25.10
<i>Stabilization of Discrete-Time Networked Fuzzy Systems</i> , pp. 1831-1836.	
Li, HongBo	Tsinghua Univ.
Li, Juntao	Henan Normal Univ.
Sun, Fuchun	Tsinghua Univ.
Sun, Zengqi	Tsinghua Univ.
13:30-15:30	MoB25.11
<i>Controllability and Observability Preservation for Networked Systems with Time Varying Topologies</i> , pp. 1837-1842.	

Sabattini, Lorenzo	Univ. of Modena and Reggio Emilia
Secchi, Cristian	Univ. of Modena and Reggio Emilia
Fantuzzi, Cesare	Univ. of Modena and Reggio Emilia
13:30-15:30	MoB25.12
<i>Distributed Identification of the Most Critical Node for Average Consensus</i> , pp. 1843-1848.	
Liu, Hao	Zhejiang Univ.
Cao, Xianghui	Zhejiang Univ.
He, Jianping	Zhejiang Univ.
Cheng, Peng	Zhejiang Univ.
Chen, Jiming	Zhejiang Univ.
Sun, Youxian	Zhejiang Univ.
13:30-15:30	MoB25.13
<i>On Maximally Stabilizing Traffic Signal Control with Unknown Turn Ratios</i> , pp. 1849-1854.	
Savla, Ketan	Univ. of Southern California
Lovisari, Enrico	Univ. of Lund
Como, Giacomo	MIT
13:30-15:30	MoB25.14
<i>Event-Triggered Least Squares Fault Estimation with Stochastic Nonlinearities (I)</i> , pp. 1855-1860.	
Liu, Yang	Tsinghua Univ.
Wang, Zidong	Brunel Univ.
He, Xiao	Tsinghua Univ.
Zhou, Donghua	Tsinghua Univ.
MoC01	Ballroom East - Harold Chestnut
Smart Grids: Demand Response, Renewables, and Wide-Area Oscillations (Invited Session)	
Chair: Annaswamy, Anuradha	Massachusetts Inst. of Tech.
Co-Chair: Stoustrup, Jakob	Pacific Northwest National Lab.
Organizer: Annaswamy, Anuradha	Massachusetts Inst. of Tech.
Organizer: Stoustrup, Jakob	Pacific Northwest National Lab.
16:00-16:20	MoC01.1
<i>Distributed Optimization Methods for Wide-Area Damping Control of Power System Oscillations (I)</i> , pp. 1861-1866.	
Chakraborty, Aranya	NC State Univ.
16:20-16:40	MoC01.2
<i>Collective Target Tracking Mean Field Control for Markovian Jump-Driven Models of Electric Water Heating Loads (I)</i> , pp. 1867-1872.	
Kizilkale, Arman C.	Ec. Pol. de Montreal
Malhame, Roland P.	Ec. Pol. de Montreal
16:40-17:00	MoC01.3
<i>A Dynamic Market Mechanism for Markets with Shiftable Demand Response (I)</i> , pp. 1873-1878.	
Hansen, Jacob	Aalborg Univ.
Knudsen, Jesper	Aalborg Univ.
Kiani, Arman	Company
Annaswamy, Anuradha	Massachusetts Inst. of Tech.
Stoustrup, Jakob	Pacific Northwest National Lab.
17:00-17:20	MoC01.4
<i>Evaluation of Aggregators for Integration of Large-Scale Consumers in Smart Grid (I)</i> , pp. 1879-1885.	
Rahnama, Samira	Aalborg Univ.
Shafiei, Seyed Ehsan	Aalborg Univ.
Stoustrup, Jakob	Pacific Northwest National Lab.
Rasmussen, Henrik	Aalborg Univ.
Bendtsen, Jan Dimon	Aalborg Univ.
17:20-17:40	MoC01.5
<i>Adaptive Suppression of Inter-Area Oscillation Using Multiple Wind Power Systems in a Distributed Parameter Control Methodology (I)</i> , pp. 1886-1891.	
Thapa Magar, Kaman	Embry Riddle Aeronautical Univ.
Balas, Mark	Univ. of Wyoming
Gayme, Dennice	Johns Hopkins Univ.

MoC02		Ballroom West - Aleksander Letov
Nonlinear Predictive Control II (Regular Session)		
Chair: Bayer, Florian		Univ. of Stuttgart
Co-Chair: Lucia, Sergio		Tech. Univ. Dortmund
16:00-16:20		MoC02.1
<i>PLC Implementation of a Nonlinear Model Predictive Controller</i> , pp. 1892-1897.		
Käpernick, Bartosz		Univ. of Ulm
Graichen, Knut		Univ. of Ulm
16:20-16:40		MoC02.2
<i>Set-Based Disturbance Attenuation in Economic Model Predictive Control</i> , pp. 1898-1903.		
Bayer, Florian		Univ. of Stuttgart
Muller, Matthias A.		Univ. of Stuttgart
Allgower, Frank		Univ. of Stuttgart
16:40-17:00		MoC02.3
<i>Robust Nonlinear Model Predictive Control with Reduction of Uncertainty Via Robust Optimal Experiment Design</i> , pp. 1904-1909.		
Lucia, Sergio		Tech. Univ. Dortmund
Paulen, Radoslav		Tech. Univ. Dortmund.
17:00-17:20		MoC02.4
<i>Optimistic Planning for the Near-Optimal Control of General Nonlinear Systems with Continuous Transition Distributions</i> , pp. 1910-1915.		
Busoniu, Lucian		Tech. Univ. of Cluj-Napoca
Tamas, Levente		Tech. Univ. of Cluj-Napoca
17:20-17:40		MoC02.5
<i>On Infinite Time Performance of Nonlinear Model Predictive Controllers</i> , pp. 1916-1921.		
Cai, Xin		Shanghai Jiao Tong Univ.
Li, Shaoyuan		Shanghai Jiao Tong Univ.
Li, Ning		Shanghai Jiao Tong Univ.
Li, Kang		Queen's Univ. Belfast
17:40-18:00		MoC02.6
<i>Parametric Integrated Perturbation Analysis - Sequential Quadratic Programming Approach for Minimum-Time Model Predictive Control</i> , pp. 1922-1927.		
Park, Hyeongjun		Univ. of Michigan
Kolmanovsky, Ilya V.		Univ. of Michigan
Sun, Jing		Univ. of Michigan
MoC03		Auditorium 2 - Eduard Gerecke
Applications of Fault Detection and Root Cause Analysis Systems (Invited Session)		
Chair: Beghi, Alessandro		Univ. di Padova
Co-Chair: Susto, Gian Antonio		Univ. of Padova
Organizer: Beghi, Alessandro		Univ. di Padova
Organizer: Susto, Gian Antonio		Univ. of Padova
16:00-16:20		MoC03.1
<i>Distributed Detection of Topological Changes in Communication Networks (I)</i> , pp. 1928-1934.		
Lucchese, Riccardo		Univ. degli Studi di Padova
Varagnolo, Damiano		Luleå Univ. of Tech.
Johansson, Karl H.		Royal Inst. of Tech.
16:20-16:40		MoC03.2
<i>Conditional Gaussian Network As PCA for Fault Detection</i> , pp. 1935-1940.		
Atoui, Mohamed Amine		ISTIA - Univ. of Angers
Verron, Sylvain		Univ. of Angers
Kobi, Abdessamad		Univ. of Angers
16:40-17:00		MoC03.3
<i>Real-Time Detection of Glucose Sensor and Insulin Pump Faults in an Artificial Pancreas (I)</i> , pp. 1941-1946.		
Del Favero, Simone		Univ. of Padova
Monaro, Marco		Univ. of Padova
Facchinetti, Andrea		Univ. of Padova
Tagliavini, Alessia		Univ. of Padova
Sparacino, Giovanni		Univ. of Padova, Italy

Cobelli, Claudio	Univ. of Padova
17:00-17:20	MoC03.4
<i>Root Cause Analysis by a Combined Sparse Classification and Monte Carlo Approach (I)</i> , pp. 1947-1952.	
Zanon, Mattia	National Univ. of Ireland, Maynooth
Susto, Gian Antonio	Univ. of Padova
Mcloone, Sean	NUI Maynooth
17:20-17:40	MoC03.5
<i>A One-Class SVM Based Tool for Machine Learning Novelty Detection in HVAC Chiller Systems (I)</i> , pp. 1953-1958.	
Beghi, Alessandro	Univ. di Padova
Cecchinato, Luca	Univ. di Padova
Corazzol, Chiara	Univ. degli Studi di Padova
Rampazzo, Mirco	Univ. degli Studi di Padova
Simmini, Francesco	Univ. di Padova
Susto, Gian Antonio	Univ. of Padova
17:40-18:00	MoC03.6
<i>Fault Tolerant Spacecraft Attitude Control by Multiple Control Processors (I)</i> , pp. 1959-1964.	
Yang, Hao	Nanjing Univ. of Aeronautics and Astronautics
Jiang, Bin	Nanjing Univ. of Aeronautics and Astronautics
Cocquempot, Vincent	LAGIS - LILLE 1 Univ.
MoC04	Roof Terrace - John Coales
Nonlinear Control of Multi-Agent Systems (Regular Session)	
Chair: Tayebi, Abdelhamid	Lakehead Univ.
Co-Chair: Seyboth, Georg S.	Univ. of Stuttgart
16:00-16:20	MoC04.1
<i>Synchronization for Interacting Clusters of Generic Linear Agents and Nonlinear Oscillators: A Unified Analysis</i> , pp. 1965-1970.	
Yu, Changbin (Brad)	Australian National Univ.
Qin, Jiahu	Univ. of Science and Tech. of China
16:20-16:40	MoC04.2
<i>Synchronization of Heterogeneous Euler-Lagrange Systems with Time Delays and Intermittent Information Exchange</i> , pp. 1971-1976.	
Abdessameud, Abdelkader	Western Univ.
Polushin, Ilia G.	Univ. of Western Ontario
Tayebi, Abdelhamid	Lakehead Univ.
16:40-17:00	MoC04.3
<i>A Cooperative Pursuit-Evasion Game for Non-Holonomic Systems</i> , pp. 1977-1984.	
Kothari, Mangal	Northumbria Univ. Newcastle Upon Tyne, UK
Manathara, Joel	Indian Inst. of Tech. Madras
Postlethwaite, Ian	Northumbria Univ.
17:00-17:20	MoC04.4
<i>Synchronized Model Matching: A Novel Approach to Cooperative Control of Nonlinear Multi-Agent Systems</i> , pp. 1985-1990.	
Seyboth, Georg S.	Univ. of Stuttgart
Allgower, Frank	Univ. of Stuttgart
17:20-17:40	MoC04.5
<i>Nonlinear Protocols on Ellipsoids for Multi-Agent Systems</i> , pp. 1991-1996.	
Zhu, Jiandong	Nanjing Normal Univ.
Sun, Jinli	Nanjing Normal Univ.
17:40-18:00	MoC04.6
<i>LPV Formation Control of Non-Holonomic Multi-Agent Systems</i> , pp. 1997-2002.	
Mendez Gonzalez, Antonio	Hamburg Univ. of Tech.
Werner, Herbert	Hamburg Univ. of Tech.
MoC05	Da Gama/Diaz
Fractional Systems I (Regular Session)	
Chair: Farges, Christophe	IMS
Co-Chair: Chen, YangQuan	Univ. of California, Merced
16:00-16:20	MoC05.1

<i>Dynamic Programming for Fractional Discrete-Time Systems</i> , pp. 2003-2009.		Warsaw Univ. of Tech.
Dzielinski, Andrzej		BUMAR Elektronika
Czyronis, Przemyslaw		
16:20-16:40		MoC05.2
<i>Process Identification Using the Relay Feedback with a Fractional Order Integrator</i> , pp. 2010-2015.		
Li, Zhuo		UC Merced
Yin, Chun	Univ. of Electronic Science and Tech. of China, Chengdu	6
Chen, YangQuan		Univ. of California, Merced
Liu, Jianguo		UC Merced
16:40-17:00		MoC05.3
<i>Discretization of Fractional-Order Differentiators and Integrators</i> , pp. 2016-2021.		
El-Khazali, Reyad	Electronic Engineering Department, Associate Professor,	Address
17:00-17:20		MoC05.4
<i>H2-Norm of Fractional Transfer Functions of Implicit Type of the First Kind</i> , pp. 2022-2027.		
Chevrié, Mathieu		IMS Lab. Bordeaux I Univ.
Malti, Rachid		Univ. de Bordeaux
Farges, Christophe		IMS
Sabatier, Jocelyn		Univ. Bordeaux1
17:20-17:40		MoC05.5
<i>A General Form for Reset Control Including Fractional Order Dynamics</i> , pp. 2028-2033.		
HosseinNia, S. Hassan		Univ. de Extremadura
Tejado, Inés	Univ. of Extremadura, Industrial Engineering School	
Vinagre, B. M.		Univ. de Extremadura
Feliu, Vicente		Univ. of Castilla-La Mancha
17:40-18:00		MoC05.6
<i>FO Sliding Surface for the Robust Control of Integer-Order LTI Plants</i> , pp. 2034-2039.		
Corradini, Maria Letizia		Univ. di Camerino
Giambo', Roberto		Univ. di Camerino
Pettinari, Silvia		Univ. of Camerino
MoC06		2.41 Pawel Nowacki
Advances in Mechatronic Systems (Invited Session)		
Chair: Yao, Bin		Purdue Univ.
Co-Chair: Tomizuka, Masayoshi		Univ. of California, Berkeley
Organizer: Tsao, Tsu-Chin		Univ. of California Los Angeles
Organizer: Chiu, George T.-C.		Purdue Univ.
Organizer: Yao, Bin		Purdue Univ.
Organizer: Tomizuka, Masayoshi		Univ. of California, Berkeley
16:00-16:20		MoC06.1
<i>Discrete Time-Varying Internal Model-Based Control of a Novel Parallel Kinematics Multi-Axis Servo Gantry (I)</i> , pp. 2040-2045.		
Zhang, Zhen		Tsinghua Univ.
Yan, Peng		Beihang Univ.
Wang, Peng		Tsinghua Univ.
16:20-16:40		MoC06.2
<i>A Cross-Coupled Non-Lifted Norm Optimal Iterative Learning Control Approach with Application to a Multi-Axis Robotic Testbed (I)</i> , pp. 2046-2051.		
Sun, Heqing		Beijing Jiaotong Univ.
Alleyne, Andrew G.		Univ. of Illinois at Urbana-Champaign
16:40-17:00		MoC06.3
<i>Multiple-Disturbance Rejection for High Precision Positioning of a VCM Servo Gantry (I)</i> , pp. 2052-2057.		
Lyu, Zeshan		Beihang Univ.
Yan, Peng		Beihang Univ.
Zhang, Zhen		Tsinghua Univ.
Guo, Lei		Beihang Univ.
17:00-17:20		MoC06.4
<i>Sensorless Damping Control of a High Speed Flexure Guided Nanopositioner (I)</i> , pp. 2058-2063.		
Fairbairn, Matthew		Newcastle Univ.

Wadikhaye, Sachin	Univ. of Newcastle
Moheimani, S.O. Reza	Univ. of Newcastle
17:20-17:40	MoC06.5
<i>An On-Line Identification Method of Precision Positioning Stage (I)</i> , pp. 2064-2069.	
Dong, Ruili	Shanghai Normal Univ.
Tan, Yonghong	Shanghai Normal Univ.
Chen, Xiang	Univ. of Windsor
MoC07	2.44 - Victor Broida
Control of Blood Glucose I (Regular Session)	
Chair: Jorgensen, John Bagterp	Tech. Univ. of Denmark
Co-Chair: Pielmeier, Ulrike	Aalborg Univ.
16:00-16:20	MoC07.1
<i>Automatic Adaptation of Basal Therapy for Type 1 Diabetic Patients: A Run-To-Run Approach</i> , pp. 2070-2075.	
Toffanin, Chiara	Univ. of Pavia
Sandri, Alice	Univ. of Pavia
Messori, Mirko	Univ. of Pavia
Cobelli, Claudio	Univ. of Padova
Magni, Lalo	Univ. of Pavia
16:20-16:40	MoC07.2
<i>Artificial Blood Glucose Control Using a DDE Modelling Approach</i> , pp. 2076-2081.	
Penet, Maxime	Supélec
Gueguen, Herve	SUPELEC
Belmiloudi, Aziz	INSA de Rennes
16:40-17:00	MoC07.3
<i>Performance Limitations Arising in Closed Loop Control of Blood Glucose in Type 1 Diabetes</i> , pp. 2082-2087.	
Carrasco, Diego S.	Univ. of Newcastle
Fu, Yongji	BD Tech.
Goodwin, Graham C.	Univ. of Newcastle
King, Bruce R.	John Hunter's Children Hospital and Hunter Medical Res. Inst.
Medioli, Adrian Mark	The Univ. of Newcastle
17:00-17:20	MoC07.4
<i>Closed-Loop Control Scheme for the Euglycemic Hyperinsulinemic Clamp: Validation on Virtual Patients (I)</i> , pp. 2088-2093.	
Palumbo, Pasquale	Consiglio Nazionale delle Ricerche (CNR)
Pizzichelli, Giulia	Center for Micro-BioRobotics@SSSA, Italian Inst. of Tech.
Pepe, Pierdomenico	Univ. of L'Aquila
Panunzi, Simona	IASI-CNR
De Gaetano, Andrea	CNR
17:20-17:40	MoC07.5
<i>Rapid Model Identification for Online Glucose Prediction of New Subjects with Type 1 Diabetes Using Model Migration Method</i> , pp. 2094-2099.	
Yu, Chengxia	Zhejiang Univ.
Zhao, Chunhui	Zhejiang Univ.
17:40-18:00	MoC07.6
<i>Determining the Relative Efficacy of a Number of PID and PD Models That Relate Insulin Secretion to Bolus Induced Glucose Excursions (I)</i> , pp. 2100-2105.	
Othman, Nor Azlan	Univ. of Canterbury
Docherty, Paul D	Univ. of Canterbury
Chase, J. Geoffrey	Univ. of Canterbury
MoC08	2.61 - John Lozier
Energy Management in Electric and Hybrid Vehicles (Regular Session)	
Chair: de Callafon, Raymond	Univ. of California, San Diego
Co-Chair: Abel, Dirk	RWTH-Aachen Univ.
16:00-16:20	MoC08.1
<i>Joint Charging and Routing Optimization for Electric Vehicle Navigation Systems</i> , pp. 2106-2111.	
Liu, Chensheng	Shanghai Jiao Tong Univ.

Wu, Jing	Shanghai Jiao Tong Univ.
Long, Chengnian	Shanghai Jiao Tong Univ.
16:20-16:40	MoC08.2
<i>Current Scheduling for Parallel Buck Regulated Battery Modules</i> , pp. 2112-2117.	
Zhao, Xin	Univ. of California, San Diego
de Callafon, Raymond	Univ. of California, San Diego
Shrinkle, Lou	Headway Tech. Inc.
16:40-17:00	MoC08.3
<i>Energy Management of Through-The-Road Parallel Hybrid Vehicles</i> , pp. 2118-2124.	
Pisanti, Cecilia	Univ. of Salerno
Rizzo, Gianfranco	Univ. of Salerno
Marano, Vincenzo	Univ. of Salerno
17:00-17:20	MoC08.4
<i>PEM Fuel Cell Fractional Order Modeling and Identification</i> , pp. 2125-2131.	
Taleb, Miassa Amira	Supélec, Paris-sud 11 Univ.
Godoy, Emmanuel	Supélec
Bethoux, Olivier	Ensea
Irofti, Dina	Supélec
17:20-17:40	MoC08.5
<i>Energy Management of Parallel Hybrid Electric Vehicles Based on Stochastic Model Predictive Control</i> , pp. 2132-2137.	
Josevski, Martina	Inst. of Automatic Control, RWTH Aachen Univ.
Abel, Dirk	RWTH-Aachen Univ.
17:40-18:00	MoC08.6
<i>Robustness Comparison of Battery State of Charge Observers for Automotive Applications</i> , pp. 2138-2146.	
Fridholm, Björn	Viktoria Swedish ICT
Nilsson, Magnus	Viktoria Swedish ICT
Wik, Torsten	Chalmers Univ. of Tech.
MoC09	1.41 - Uolevi Luoto
Gait Planning (Regular Session)	
Chair: Kong, Kyoungchul	Sogang Univ.
Co-Chair: Li, Shaoyuan	Shanghai Jiao Tong Univ.
16:00-16:20	MoC09.1
<i>Observation of Gait Patterns and Orientation Angles for Development of an Active Ankle-Foot Prosthesis</i> , pp. 2147-2152.	
Woo, Hanseung	Sogang Univ.
Chang-Siu, Evan	Phase Space Inc.
Kong, Kyoungchul	Sogang Univ.
Jeon, Doyoung	Sogang Univ.
16:20-16:40	MoC09.2
<i>Crawling Gait Planning for a Quadruped Robot with High Payload Walking on Irregular Terrain</i> , pp. 2153-2158.	
Hu, Nan	Shanghai Jiao Tong Univ.
Li, Shaoyuan	Shanghai Jiao Tong Univ.
Huang, Dan	Shanghai Jiao Tong Univ.
Gao, Feng	Shanghai Jiao Tong Univ.
16:40-17:00	MoC09.3
<i>Gait Analysis for the Development of the Biped Robot Foot Structure</i> , pp. 2159-2164.	
Ogawa, Yusuke	Tokyo Univ. of Agriculture and Tech.
Maita, Daichi	Tokyo Univ. of Agriculture and Tech.
Venture, Gentiane	Tokyo Univ. of Agriculture and Tech.
17:00-17:20	MoC09.4
<i>Gait Planning and Compliance Control of a Biped Robot on Stairs with Desired ZMP</i> , pp. 2165-2170.	
Chen, GuangRong	Key Lab. of Complex System Intelligent Control and Decisio
Wang, Junzheng	Beijing Inst. of Tech.
Wang, Lipeng	Key Lab. of Intelligent Control and Decision of Complex Sy
17:20-17:40	MoC09.5
<i>Automated Transitions between Walking and Running in Legged Robots</i> , pp. 2171-2176.	
Shahbazi Aghbelagh, Mohammad	TU Delft

Lopes, Gabriel	Delft Univ. of Tech.
Babuska, Robert	Delft Univ. of Tech.
17:40-18:00	MoC09.6
<i>Balancing a Legged Robot Using State-Dependent Riccati Equation Control</i> , pp. 2177-2182.	
Najafi, Esmaeil	Delft Univ. of Tech. Univ. of Tehran
Lopes, Gabriel	Delft Univ. of Tech.
Babuska, Robert	Delft Univ. of Tech.
MoC10	1.42 - Yoshikazu Sawaragi
Model Predictive Control in Chemical Processes I (Regular Session)	
Chair: Engell, Sebastian	TU Dortmund
Co-Chair: Jorgensen, John Bagterp	Tech. Univ. of Denmark
16:00-16:20	MoC10.1
<i>Distributed MPC and Partition-Based MHE for Distributed Output Feedback</i> , pp. 2183-2188.	
Schneider, René	RWTH Aachen Univ.
Scheu, Holger	RWTH Aachen Univ.
Marquardt, Wolfgang	RWTH Aachen Univ.
16:20-16:40	MoC10.2
<i>A Model-Free Approach for Auto-Tuning of Model Predictive Control</i> , pp. 2189-2194.	
Tran, Quang N.	Eindhoven Univ. of Tech.
Scholten, Joni	Eindhoven Univ. of Tech.
Ozkan, Leyla	Tech. Univ. of Eindhoven
Backx, Ton	Eindhoven Univ. of Tech.
16:40-17:00	MoC10.3
<i>Increasing the Efficiency of Organic Rankine Cycle Technology by Means of Multivariable Predictive Control</i> , pp. 2195-2200.	
Hernandez, Andres	Ghent Univ. Belgium
Desideri, Adriano	Thermodynamics Lab. Univ. of Liège
Ionescu, Clara	Ghent Univ.
Quoilin, Sylvain	Thermodynamics Lab. Univ. of Liège
Lemort, Vincent	Thermodynamics Lab. Univ. of Liège
De Keyser, Robin M.C.	Ghent Univ.
17:00-17:20	MoC10.4
<i>Model Predictive Control for Optimization of Combined Heat and Electric Power Microgrid</i> , pp. 2201-2206.	
Gambino, Giovanni	-
Verrilli, Francesca	Univ. of Sannio in Benevento
Meola, Daniela	Univ.
Himanka, Mikko	Centria Univ. of Applied Science
Palmieri, Giovanni	Dipartimento di Ingegneria
Del Vecchio, Carmen	Univ. Del Sannio
Glielmo, Luigi	Univ. of Sannio
17:20-17:40	MoC10.5
<i>A Reduced Dantzig-Wolfe Decomposition for a Suboptimal Linear MPC</i> , pp. 2207-2212.	
Standardi, Laura	DTU Compute
Poulsen, Niels Kjølstad	Tech. Univ. of Denmark
Jorgensen, John Bagterp	Tech. Univ. of Denmark
MoC11	1.43 - Tibor Vamos
Aerospace and Mechanical Systems (Regular Session)	
Chair: Yalcin, Yaprak	Istanbul Tech. Univ.
Co-Chair: Salamci, Metin U.	Gazi Univ.
16:00-16:20	MoC11.1
<i>Design and Test of Discrete Time Adaptive Backup Flight Control Laws</i> , pp. 2213-2218.	
Myleus, Andreas	Saab AB
Simon, Daniel	Saab Aeronautics
Rosander, Peter	Linköping Univ.
16:20-16:40	MoC11.2
<i>Nonlinear Robust Adaptive Control for Spacecraft Proximity Operations</i> , pp. 2219-2224.	

Sun, Liang Huo, Wei	Beihang Univ. Beijing, China
16:40-17:00	MoC11.3
<i>Discrete-Time Immersion and Invariance Adaptive Control of a Slider-Crank Mechanism</i> , pp. 2225-2230.	
Yalcin, Yaprak	Istanbul Tech. Univ.
17:00-17:20	MoC11.4
<i>Analytical Optimal Solutions of Impulsive Out-Of-Plane Rendezvous Around Elliptic Orbits</i> , pp. 2231-2236.	
Serra, Romain	LAAS-CNRS
Arzelier, Denis	LAAS-CNRS
Rondepierre, Aude	INSA de Toulouse
Calvet, Jean-Louis	LAAS-CNRS, UPS
17:20-17:40	MoC11.5
<i>Control of VTOL Vehicles with Thrust-Tilting Augmentation</i> , pp. 2237-2244.	
Hua, Minh-Duc	ISIR UPMC-CNRS UMR7222
Hamel, Tarek	Univ. de Nice Sophia Antipolis
Samson, Claude	INRIA Sophia-Antipolis
MoC12	1.44 - Manfred Thoma
Power System Operation I (Regular Session)	
Chair: Neuman, Petr V	CEPS, a.s.
Co-Chair: Voropai, N. I.	Energy Systems Inst.
16:00-16:20	MoC12.1
<i>Impact of IEC 61850-9-2 Standard-Based Process Bus on the Operating Performance of Protection IEDS: Comparative Study</i> , pp. 2245-2252.	
Adewole, Adeyemi Charles	Cape Peninsula Univ. of Tech.
Tzoneva, Raynitchka	CPUT
16:20-16:40	MoC12.2
<i>Computing Intervals of Secure Power Injection</i> , pp. 2253-2259.	
Georgiev, Daniel	Univ. of Michigan
Janecek, Eduard	Univ. of West Bohemia
Vorac, Premysl	Univ. of West Bohemia
16:40-17:00	MoC12.3
<i>Energy Management in Multi-Consumers Multi-Sources System : A Practical Framework</i> , pp. 2260-2266.	
Fauvel, Clément	Ec. des Mines de Nantes / Sherpa Engineering
Claveau, Fabien	Ec. des Mines de Nantes
Chevrel, Philippe	IRCCyN / Ec. des Mines de Nantes
17:00-17:20	MoC12.4
<i>Real-Time Energy Resource Scheduling Considering a Real Portuguese Scenario</i> , pp. 2267-2272.	
Silva, Marco	Pol. Inst. of Porto
Sousa, Tiago	Pol. Inst. of Porto
Morais, Hugo	Tech. Univ. of Denmark (DTU)
Vale, Zita	Pol. Inst. of Porto
17:20-17:40	MoC12.5
<i>Monitoring the Wide Area Power System Dynamics by Phasor Measurement Units Based on Campus WAMS Strategy (I)</i> , pp. 2273-2278.	
Mitani, Yasunori	Kyushu Inst. of Tech.
Satake, Akihiro	Kyushu Inst. of Tech.
Kudo, Takeshi	Kyushu Inst. of Tech.
Hasan, Khairudin	Kyushu Inst. of Tech.
MoC13	1.61 - Boris Tamm
Constrained Control (Regular Session)	
Chair: Lazar, Mircea	Eindhoven Univ. of Tech.
Co-Chair: Tang, Zhong-Liang	Univ. of Electronic Science and Tech. of China
16:00-16:20	MoC13.1
<i>Adaptive Neural Network Control of Uncertain State-Constrained Nonlinear Systems</i> , pp. 2279-2284.	
Tang, Zhong-Liang	Univ. of Electronic Science and Tech. of China

16:20-16:40	MoC13.2
<i>Solving the Infinite-Horizon Constrained LQR Problem Using Splitting Techniques</i> , pp. 2285-2290.	
Stathopoulos, Giorgos	École Pol. Fédérale de Lausanne
Korda, Milan	École Pol. fédérale de Lausanne
Jones, Colin, N	Ec. Pol. Federale de Lausanne (EPFL)
16:40-17:00	MoC13.3
<i>Stochastic MPC for Systems with Both Multiplicative and Additive Disturbances</i> , pp. 2291-2296.	
Cheng, Qifeng	Liaoning Tech. Univ.
Cannon, Mark	Univ. of Oxford
Kouvaritakis, Basil	Oxford Univ.
Evans, Martin	Univ. of Oxford
17:00-17:20	MoC13.4
<i>Interpolation of Polytopic Control Lyapunov Functions for Discrete-Time Linear Systems</i> , pp. 2297-2302.	
Nguyen, Tuan T.	Eindhoven Univ. of Tech.
Lazar, Mircea	Eindhoven Univ. of Tech.
Spinu, Veaceslav	Eindhoven Univ. of Tech.
17:20-17:40	MoC13.5
<i>Improved Fast Dual Gradient Methods for Embedded Model Predictive Control</i> , pp. 2303-2309.	
Giselsson, Pontus	Lund Univ.
17:40-18:00	MoC13.6
<i>Controller Design and Region of Attraction Estimation for Nonlinear Dynamical Systems</i> , pp. 2310-2316.	
Korda, Milan	École Pol. fédérale de Lausanne
Jones, Colin, N	Ec. Pol. Federale de Lausanne (EPFL)
Henrion, Didier	LAAS-CNRS, Univ. Toulouse

MoC14	1.62 - Brian Anderson
Dynamic Network Identification (Invited Session)	
Chair: Van den Hof, Paul M.J.	Eindhoven Univ. of Tech.
Co-Chair: Dankers, Arne	Delft Univ. of Tech.
Organizer: Van den Hof, Paul M.J.	Eindhoven Univ. of Tech.
Organizer: Dankers, Arne	Delft Univ. of Tech.
16:00-16:20	MoC14.1
<i>Variance Results for Parallel Cascade Serial Systems (I)</i> , pp. 2317-2322.	
Everitt, Niklas	KTH-Royal Inst. of Tech.
Hjalmarsson, Håkan	KTH
Rojas, Cristian	KTH Royal Inst. of Tech.
16:20-16:40	MoC14.2
<i>Analysis and Identification of Complex Stochastic Systems Admitting a Flocking Structure (I)</i> , pp. 2323-2328.	
Bottegal, Giulio	KTH Royal Inst. of Tech.
Picci, Giorgio	Univ. of Padova
16:40-17:00	MoC14.3
<i>Network Reconstruction from Intrinsic Noise: Non-Minimum-Phase Systems (I)</i> , pp. 2329-2334.	
Hayden, David P.	Univ. of Cambridge
Yuan, Ye	Univ. of Cambridge
Goncalves, Jorge M.	Univ. of Cambridge
17:00-17:20	MoC14.4
<i>Errors-In-Variables Identification in Dynamic Networks by an Instrumental Variable Approach (I)</i> , pp. 2335-2340.	
Dankers, Arne	Delft Univ. of Tech.
Van den Hof, Paul M.J.	Eindhoven Univ. of Tech.
Bombois, Xavier	Delft Univ. of Tech.
Heuberger, Peter	Eindhoven Univ. of Tech.
17:20-17:40	MoC14.5
<i>Notions of Separation in Graphs of Dynamical Systems (I)</i> , pp. 2341-2346.	
Materassi, Donatello	Massachusetts Inst. of Tech.
Salapaka, Murti V.	Univ. of Minnesota, twin cities

MoC15		1.63 - Stephen Kahne
Estimation and Filtering I (Regular Session)		
Chair: Bittanti, Sergio		Pol. di Milano
Co-Chair: Gattami, Ather		Ericsson Inc.
16:00-16:20		MoC15.1
<i>State Dependent Difference Riccati Equation Based Estimation for Corkscrew Maneuver</i> , pp. 2347-2352.		
Peled-Eitan, Liat		Tech.
Rusnak, Ilan		RAFAEL
16:20-16:40		MoC15.2
<i>Discrete Kalman Filter Based on Quasi Steady State Modelling in the Delta-Domain</i> , pp. 2353-2357.		
Boje, Edward		Univ. of Cape Town
16:40-17:00		MoC15.3
<i>An Insight into Noise Covariance Estimation for Kalman filter Design</i> , pp. 2358-2363.		
Formentin, Simone		Univ. degli studi di Bergamo
Bittanti, Sergio		Pol. di Milano
17:00-17:20		MoC15.4
<i>On Linear Estimation Fusion under Unknown Correlations of Estimator Errors</i> , pp. 2364-2369.		
Ajgl, Jiří		Univ. of West Bohemia
Simandl, Miroslav		Univ. of West Bohemia
17:20-17:40		MoC15.5
<i>Quadratic Filtering of Non-Gaussian Linear Systems with Random Observation Matrices</i> , pp. 2370-2375.		
Cacace, Filippo		Univ. Campus Biomedico di Roma
Fasano, Antonio		Univ. Campus Bio-Medico di Roma
Germani, Alfredo		Univ. of L'Aquila
17:40-18:00		MoC15.6
<i>Kalman Meets Shannon</i> , pp. 2376-2381.		
Gattami, Ather		Ericsson Inc.
MoC16		1.64 - Yong-Zai Lu
Digital and Sensing Enterprise (Invited Session)		
Chair: Jardim-Goncalves, Ricardo	UNINOVA - Inst. de Desenvolvimento de Novas Tecnologias	
Co-Chair: Whitman, Lawrence		Wichita State Univ.
Organizer: Jardim-Goncalves, Ricardo	UNINOVA - Inst. de Desenvolvimento de Novas Tecnologias	
Organizer: Grilo, Antonio		New Univ. of Lisbon - UNIDEM
Organizer: Panetto, Hervé		CRAN, Univ. of Lorraine, CNRS
Organizer: Molina, Arturo		Tecnologico de Monterrey
16:00-16:40		MoC16.1
<i>Formal Semantic Annotations for Models Interoperability in a PLM Environment (I)</i> , pp. 2382-2393.		
Liao, Yongxin		CRAN, Nancy-Univ. CNRS
Lezoche, Mario		CRAN, Nancy-Univ. CNRS
Panetto, Hervé		CRAN, Univ. of Lorraine, CNRS
Boudjlida, Nacer		Nancy-Univ. LORIA, INRIA, CNRS
Rocha Loures, Eduardo		Pontifical Catholic Univ. of Paraná
16:40-17:00		MoC16.2
<i>Leaning Out the Plane: An Aerospace Special Processor Case Study (I)*</i> .		
Lynch, Adam		Wichita State Univ.
Whitman, Lawrence		Wichita State Univ.
17:00-17:20		MoC16.3
<i>Managing Networked Hybrid-Energy Systems: A Predictive Dispatch Approach (I)</i> , pp. 2394-2399.		
Bruno, Sergio		Pol. di Bari
Dassisti, Michele		Pol. di Bari
La Scala, Massimo		Pol. di Bari
Chimienti, Michela		Lab. Kad3 scarl
Stigliano, Giambattista		Lab. Kad3
Palmisani, Ezio		Duferco Engineering Spa
17:20-17:40		MoC16.4
<i>Dynamic Adaptors to Support Model-Driven Interoperability and Enhance Sensing Enterprise Networks (I)</i> , pp. 2400-2407.		

Agostinho, Carlos	UNINOVA
Pinto, Pedro	Department of Electrical Engineering, Faculty of Science and Tec
Jardim-Goncalves, Ricardo	UNINOVA - Inst. de Desenvolvimento de Novas Tecnologias

17:40-18:00 MoC16.5

Supporting Sensing Enterprise Operations with Polymorphic Service Infrastructures (I), pp. 2408-2413.

Karageorgos, Anthony	Univ. of Manchester
Mehandjiev, Nikolay	Manchester Business School
Rapti, Elli	Inst. of Res. and Tech. - Thessaly

MoC17	Marco Polo
Discrete Event Systems (Regular Session)	

Chair: Lafortune, Stephane	Univ. of Michigan
Co-Chair: Cury, Jose E. R.	Univ. Fed. S. Catarina

16:00-16:20 MoC17.1

State-Partition-Based Control of Discrete Event Systems for Enforcement of Regular Language Specifications, pp. 2414-2421.

Butez, Antoine	Centre de Recherche en Automatique de Nancy
Lafortune, Stephane	Univ. of Michigan
Wang, Yin	Facebook

16:20-16:40 MoC17.2

A General Approach for Synthesis of Supervisors for Partially-Observed Discrete-Event Systems, pp. 2422-2428.

Yin, Xiang	Univ. of Michigan
Lafortune, Stephane	Univ. of Michigan

16:40-17:00 MoC17.3

Linear Algebraic Characterization of Legal Markings for Petri Net Supervisors, pp. 2429-2434.

Ma, Ziyue	Xidian Univ.
Li, Zhiwu	Xidian Univ.
Giua, Alessandro	Univ. of Cagliari, Italy / Aix-Marseille Univ. France

17:00-17:20 MoC17.4

Dealing with Biological Constraints in the Synthesis of Controllers for Gene Regulatory Networks, pp. 2435-2441.

Baldissera, Fabio	Univ. Federal de Santa Catarina
Cury, Jose E. R.	Univ. Fed. S. Catarina

17:20-17:40 MoC17.5

Structural Control of Probabilistic Boolean Networks and Its Application to Design of Real-Time Pricing Systems, pp. 2442-2447.

Kobayashi, Koichi	Japan Advanced Inst. of Science and Tech.
Hiraishi, Kunihiko	JAIST

17:40-18:00 MoC17.6

On the Computation of Natural Observers for Extended Finite Automata, pp. 2448-2455.

Shoaei, Mohammad Reza	Chalmers Univ. of Tech.
Feng, Lei	Royal Inst. of Tech. (KTH)
Lennartson, Bengt	Chalmers Univ. of Tech.

MoC18	2.43 - Pedro Albertos
Optimal Control Theory I (Regular Session)	

Chair: van Keulen, Thijs Adriaan Cornelis	Tech. Univ. Eindhoven
Co-Chair: De Dona, Jose Adrian	The Univ. of Newcastle

16:00-16:20 MoC18.1

Indirect Solution for Optimal Control Problems with a Pure State Constraint, pp. 2456-2461.

van Keulen, Thijs Adriaan Cornelis	Tech. Univ. Eindhoven
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16:20-16:40 MoC18.2

Error Bounds in the Discretisation of the Input-Constrained LQR Problem, pp. 2462-2470.

De Dona, Jose Adrian	The Univ. of Newcastle
Mueller, Claus	Univ. of Newcastle
McCloy, Ryan	The Univ. of Newcastle

16:40-17:00 MoC18.3

Solution of Affine Quadratic Control Problems, pp. 2471-2474.

Sharma, Ankita	IIT Madras
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A. J., Shaiju	IIT MADRAS
17:00-17:20	MoC18.4
<i>Suboptimal LMI-Based Solution of Minimum Time Control Problem</i> , pp. 2475-2480.	
Polyakov, Andrey	INRIA Lille Nord-Europe
Richard, Jean-Pierre	Ec. Centrale de Lille
17:20-17:40	MoC18.5
<i>Continuous-Time Linear MPC Algorithms Based on Relaxed Logarithmic Barrier Functions</i> , pp. 2481-2488.	
Feller, Christian	Univ. of Stuttgart
Ebenbauer, Christian	Stuttgart Univ.
17:40-18:00	MoC18.6
<i>Inverse Parametric Convex Programming Problems Via Convex Liftings</i> , pp. 2489-2494.	
Nguyen, Ngoc Anh	Supélec Sciences des Systèmes (E3S), SUPELEC
Olaru, Sorin	Supelec
Rodriguez-Ayerbe, Pedro	Supelec
Hovd, Morten	Norwegian Univ. of Tech. and Science
Necoara, Ion	Univ. Pol. Bucharest
MoC19	2.46 - Vladimir Kucera
Guidance, Navigation and Control of Vehicles I (Regular Session)	
Chair: Siguerdidjane, Houria	SUPELEC
Co-Chair: Kim, Youdan	Seoul National Univ.
16:00-16:20	MoC19.1
<i>Recursive Actuator Fault Detection and Diagnosis for Emergency Landing of UASs</i> , pp. 2495-2502.	
Yang, Xilin	Queensland Univ. of Tech.
Mejias Alvarez, Luis	Queensland Univ. of Tech.
Warren, Michael David	Queensland Univ. of Tech.
Gonzalez Toro, Luis Felipe	QUT/ARCAA
Uproft, Ben	Australian Centre for Field Robotics, Univ. of Sydney
16:20-16:40	MoC19.2
<i>Three-Dimensional Nonlinear Path-Following Guidance Law Based on Differential Geometry</i> , pp. 2503-2508.	
Cho, Namhoon	Seoul National Univ.
Kim, Youdan	Seoul National Univ.
Park, Sanghyuk	Korea Aerospace Univ.
16:40-17:00	MoC19.3
<i>Lyapunov-Based Pursuit Guidance Law with Impact Angle Constraint</i> , pp. 2509-2514.	
Kim, Mingu	Seoul National Univ.
Kim, Youdan	Seoul National Univ.
17:00-17:20	MoC19.4
<i>A Blended Autopilot for Dual Control Missile Using Generalized Predictive and Adaptive Terminal Sliding Mode Control</i> , pp. 2515-2520.	
Chang, Yafei	Chinese Acad. of Science
Yuan, Ruyi	Inst. of Automation, Chinese Acad. of Science
Fan, Guoliang	Inst. of Automation, Chinese Acad. of Science
Yi, Jianqiang	Inst. of Automation, Chinese Acad. of Sciences
17:20-17:40	MoC19.5
<i>On Dubins Paths to Intercept a Moving Target at a Given Time (I)</i> , pp. 2521-2526.	
Meyer, Yizhaq	Tech.
Isaiah, Pantelis	The Tech. Inst. of Tech.
Shima, Tal	Tech. - Israel Inst. of Tech.
17:40-18:00	MoC19.6
<i>Flight Control Design and Demonstration of Unmanned Airplane for Radiation Monitoring System</i> , pp. 2527-2532.	
Sato, Masayuki	Japan Aerospace Exploration Agency
Muraoka, Koji	Japan Aerospace Exploration Agency
Hozumi, Koki	Japan Aerospace Exploration Agency

MoC20	2.63 - Wook Hyun Kwon
Fuzzy and Neural Systems Relevant to Control and Identification (Regular Session)	

Chair: Ruano, Antonio	Univ. of Algarve
Co-Chair: Guerra, Thierry Marie	Univ. of Valenciennes Hainaut-Cambresis
16:00-16:20	MoC20.1
<i>A Stable Nonlinear in Parameter Neural Network Controller for a Class of Saturated Nonlinear Systems</i> , pp. 2533-2538.	
Esfandiari, Kasra	Amirkabir Univ. of Tech.
Abdollahi, Farzaneh	Concordia Univ.
Talebi, H.A.	Amirkabir Univ. of Tech.
16:20-16:40	MoC20.2
<i>Multiobjective Cuckoo Search Applied to Radial Basis Function Neural Networks Training for System Identification</i> , pp. 2539-2544.	
Hultmann Ayala, Helon Vicente	PUCPR
Coelho, Leandro Dos Santos	Pontifical Catholic Univ. of Parana
16:40-17:00	MoC20.3
<i>Series-Parallel Approach to On-Line Observer Based Neural Control of a Helicopter System</i> , pp. 2545-2550.	
Hager, Louw van Schoor	North-West Univ.
Uren, Kenneth Richard	North-West Univ.
van Schoor, George	North-West Univ.
17:00-17:20	MoC20.4
<i>Singleton-Based Two-String Inference in Recurrent Fuzzy Systems</i> , pp. 2551-2557.	
Schneider, Moritz	Tech. Univ. Darmstadt
Adamy, Jürgen	Tech. Univ. Darmstadt
17:20-17:40	MoC20.5
<i>Large Time Simulation Reduction for Solving the Mechanical Contact Problem: A Fuzzy Control Approach</i> , pp. 2558-2563.	
Gonzalez, Antonio	Univ. of Valenciennes Hainaut-Cambresis
Lauber, Jimmy	Univ. of Valenciennes
Guerra, Thierry Marie	Univ. of Valenciennes Hainaut-Cambresis
Massa, Franck	Univ. de Valenciennes et du Hainaut Cambresis, LAMIH Lab.
Tison, Thierry	Univ. de Valenciennes et du Hainaut Cambresis
17:40-18:00	MoC20.6
<i>Smart Adaptive Control of a Solar Collector Field</i> , pp. 2564-2569.	
Juuso, Esko Kalevi	Univ. of Oulu
Yebra, Luis	CIEMAT-Plataforma Solar de Almería
MoC21	2.64 - Alberto Isidori
Distributed Robust Design (Regular Session)	
Chair: Karimi, Alireza	Ec. Pol. Federale de Lausanne
Co-Chair: Franze, Giuseppe	Univ. della Calabria
16:00-16:20	MoC21.1
<i>A Distributed Obstacle Avoidance MPC Strategy for Leader-Follower Formations</i> , pp. 2570-2575.	
Franze, Giuseppe	Univ. della Calabria
Lucia, Walter	Univ. della Calabria
Tedesco, Francesco	Univ. degli Studi della Calabria
Scordamaglia, Valerio	Univ. "Mediterranea" of Reggio Calabria
16:20-16:40	MoC21.2
<i>An Approach to Distributed Robust Model Predictive Control of Discrete-Time Polytopic Systems</i> , pp. 2576-2581.	
Grancharova, Alexandra	Bulgarian Acad. of Sciences
Olaru, Sorin	Supelec
16:40-17:00	MoC21.3
<i>Robust Control of Dynamical Networks with Nonminimum Phase Agents</i> , pp. 2582-2587.	
Furtat, Igor	Inst. of Problems of Mechanical Engineering Russian Acad.
17:00-17:20	MoC21.4
<i>Fixed-Structure Sparse Control of Interconnected Systems with Polytopic Uncertainty</i> , pp. 2588-2593.	
Sadabadi, Mahdieh Sadat	Ec. Pol. Federale de Lausanne (EPFL)
Karimi, Alireza	Ec. Pol. Federale de Lausanne
17:20-17:40	MoC21.5
<i>Distributed Robustness Analysis of Interconnected Uncertain Systems Using Chordal Decomposition</i> , pp. 2594-2599.	
Khoshfetrat Pakazad, Sina	Linköping Univ. of Tech.
Hansson, Anders	Linköping Univ.

MoC22		2.65 - Ian Craig
Flexible and Reconfigurable Manufacturing Systems (Regular Session)		
Chair: Silva, José Reinaldo		Univ. of São Paulo
Co-Chair: Zuehlke, Detlef		German Res. Center for Artificial Intelligence
16:00-16:20		MoC22.1
<i>MAS and PLC: A Comparison on Applications of Manufacturing Systems</i> , pp. 2600-2604.		
Peixoto, João Alvarez		Inst. SENAI of Inovation Integrated Solutions for Metalmecha
Souza, Jose de		Inst. SENAI de Inovação
Reis, Bernardo Pora dos		Inst. SENAI de Inovação
Pereira, Carlos Eduardo		Federal Univ. of Rio Grande do Sul - UFRGS
16:20-16:40		MoC22.2
<i>Machine-Cell and Part-Family Formation in Cellular Manufacturing Using a Two-Phase Clustering Algorithm</i> , pp. 2605-2610.		
Yan, Zheng		The Chinese Univ. of Hong Kong
Wang, Jun		The Chinese Univ. of Hong Kong
Fan, Jianchao		Dalian Univ. of Tech.
16:40-17:00		MoC22.3
<i>Development of a Framework for Dynamic Function Deployment and Extension by Using Apps on Intelligent Field Devices</i> , pp. 2611-2616.		
Schmitt, Mathias		DFKI Kaiserslautern
Loskyll, Matthias		German Res. Center for Artificial Intelligence (DFKI)
Zuehlke, Detlef		German Res. Center for Artificial Intelligence
17:00-17:20		MoC22.4
<i>Industrial Wireless Instrumentation and the Current Commissioning Model</i> , pp. 2617-2621.		
Müller, Ivan		Federal Univ. of Rio Grande do Sul
Pereira, Carlos Eduardo		Federal Univ. of Rio Grande do Sul - UFRGS
Netto, João César		UFRGS
Winter, Jean Michel		UFRGS
Costa, Carlos S.		Federal Univ. of Rio Grande do Sul
Ramos, Ricardo R.		Petrobras SA
17:20-17:40		MoC22.5
<i>SOA-PLC – Dynamic Generation and Deployment of Web Services on a Programmable Logic Controller</i> , pp. 2622-2627.		
Ollinger, Lisa		German Res. Center for Artificial Intelligence
Abdo, Alexander		SmartFactoryKL
Zuehlke, Detlef		German Res. Center for Artificial Intelligence
Heutger, Henning		Phoenix Contact GmbH
17:40-18:00		MoC22.6
<i>New Trends in Manufacturing: Converging to Service and Intelligent Systems</i> , pp. 2628-2633.		
Silva, José Reinaldo		Univ. of São Paulo
MoC23		2.66
Autonomous Vehicles (Regular Session)		
Chair: Tsourdos, Antonios		Cranfield Univ.
Co-Chair: Aguiar, A. Pedro		Faculty of Engineering, Univ. of Porto (FEUP)
16:00-16:20		MoC23.1
<i>Real-Time Improved Power Management for Autonomous Systems</i> , pp. 2634-2639.		
Mansor, Maszatul M		Univ. of Sheffield
Giagkiozis, Ioannis		Univ. of Sheffield
Wall, Derek		Rolls-Royce Plc
Mills, Andy		Univ. of Sheffield
Purshouse, Robin Charles		Univ. of Sheffield
Fleming, Peter J		Univ. of Sheffield
16:20-16:40		MoC23.2
<i>Autonomous Parking Using a Highly Maneuverable Robotic Vehicle</i> , pp. 2640-2645.		
Schaub, Alexander		German Aerospace Center DLR

Ramirez de la Cruz, Juan Carlos Burschka, Darius	Deutsches Zentrum fuer Luft- und Raumfahrt, TU Muenchen Tech. Univ. München
16:40-17:00	MoC23.3
<i>The Relaxed Asymmetric Reeds-Shepp Problem</i> , pp. 2646-2651.	
Isaiah, Pantelis Weiss, Martin Shima, Tal	The Tech. Inst. of Tech. TNO Tech. - Israel Inst. of Tech.
17:00-17:20	MoC23.4
<i>Development of an Autonomous Formula SAE Car with Laser Scanner and GPS</i> , pp. 2652-2657.	
Drage, Thomas Kalinowski, Jordan Braunl, Thomas	UWA UWA UWA
17:20-17:40	MoC23.5
<i>Experiment Results for Automatic Ship Berthing Using Artificial Neural Network Based Controller (I)</i> , pp. 2658-2663.	
Ahmed, Yaseen Adnan Hasegawa, Kazuhiko	Osaka Univ. Osaka Univ.
17:40-18:00	MoC23.6
<i>Probabilistic Trajectory Prediction in Intelligent Driving</i> , pp. 2664-2672.	
Fu, Xiaoxin Jiang, Yongheng Lu, Geng Wang, Jingchun Huang, Dexian Yao, Danya	Tsinghua Univ. Tsinghua Univ. Tsinghua Univ. Tsinghua Univ. Tsinghua Univ. Tsinghua Univ.
MoC24	Francis Drake
Microsystems: Nano and Micro-Technologies (Regular Session)	
Chair: Yang, Qinmin Co-Chair: Janschek, Klaus	Zhejiang Univ. Tech. Univ. Dresden
16:00-16:20	MoC24.1
<i>Design, Modelling and Control of a Manoeuvrable Swimming Micro-Robot</i> , pp. 2673-2678.	
Nourmohammadi, Hossein Keighobadi, Jafar	Univ. of Tabriz, Department of Mechanical Engineering Univ. of Tabriz
16:20-16:40	MoC24.2
<i>Control of Vibrations in a Micromechanical Gyroscope Using Inertia Properties of Standing Elastic Waves</i> , pp. 2679-2684.	
Panferov, Alexander Severov, Leonid Ponomarev, Valery Ovchinnikova, Nataly	SUAI, Saint-Petersburg State Univ. of AerospaceInstrumentat Saint-Petersburg State Univ. of Aerospace Inst. Saint-Petersburg State Univ. of Aerospace Inst. Saint-Petersburg State Univ. of Aerospace Inst.
16:40-17:00	MoC24.3
<i>Jerk and Current Limited Flatness-Based Open Loop Control of Foveation Scanning Electrostatic Micromirrors</i> , pp. 2685-2690.	
Schroedter, Richard Janschek, Klaus Sandner, Thilo	Fraunhofer Inst. for Photonic Microsystems Tech. Univ. Dresden Fraunhofer Inst. for Photonic Microsystems, Dresden
17:00-17:20	MoC24.4
<i>L1 Adaptive Control Design for Hysteresis Compensation within Piezoelectric Actuators</i> , pp. 2691-2696.	
Zhang, Jie Yang, Qinmin Zhou, Chunlin	Zhejiang Univ. Zhejiang Univ. Zhejiang Univ.
17:20-17:40	MoC24.5
<i>A Stitching Method for AFM Based Large Scale Scanning with High Resolution</i> , pp. 2697-2702.	
Zhao, Sheng Yang, Qinmin	Zhejiang Univ. Zhejiang Univ.
17:40-18:00	MoC24.6
<i>A Novel Time Dependent Prandtl-Ishlinskii Model for Sensorless Hysteresis Compensation in Piezoelectric Actuators</i> , pp. 2703-2708.	
Ghafariad, Hamed Rezaei, Seyed Mehdi	Amirkabir Univ. of Tech. Amirkabir Univ.

Sarhan, Ahmed A.D.
Bin Mardi, Nor Azizi
Zareinejad, Mohammad

Department of Mechanical Engineering, Univ. of Malaya
Department of Mechanical Engineering, Univ. of Malaya
Amirkabir Univ. of Tech.

MoC25		Poster area
Interactive Session on Process Systems (Interactive Session)		
Chair: Lee, Jay H.		KAIST
Co-Chair: Bergh, Luis		Santa Maria Univ.
16:00-18:00		MoC25.1
<i>Trajectory Tracking of Batch Product Quality Using Latent Variable Models</i> , pp. 2709-2714.		
Lopez-Montero, Eduardo Benedicto		Univ. of Manchester
Marjanovic, Ognjen		Univ. of Manchester
Lennox, Barry		Univ. of Manchester
16:00-18:00		MoC25.2
<i>Finding the Optimal Aeration Profiles and DO Profiles in a Plug-Flow Biological Wastewater Treatment Reactor with a Theoretical Approach</i> , pp. 2715-2720.		
Liu, Xiaoxin		Northeastern Univ.
Jing, Yuanwei		Northeastern Univ.
Olsson, Gustaf		Lund Univ.
Yuan, Zhiguo		Univ. of Queensland
16:00-18:00		MoC25.3
<i>On MINLP Heuristics for Solving Shale-Well Scheduling Problems</i> , pp. 2721-2726.		
Knudsen, Brage Rugstad		Norwegian Univ. of Science and Tech. (NTNU)
Sharma, Shaurya		NTNU
Foss, Bjarne		Norwegian Univ. of Science & Tech.
16:00-18:00		MoC25.4
<i>Acoustic Emission, a New Sensor for Monitoring Industrial Crystallization Processes</i> , pp. 2727-2733.		
Févotte, Gilles		Univ. Lyon 1 and EMSE, Centre SPIN
Wang, XingJun		Qiannan Normal Coll. for Nationalities
Ouabbas, Yamina		Ec. des Mines de Saint Etienne
16:00-18:00		MoC25.5
<i>Distributed Stochastic Optimization of a Process Plant Start-Up</i> , pp. 2734-2739.		
Martí, Rubén		UVA
Navia, Daniel		Univ. Técnica Federico Santa María
Sarabia, Daniel		Univ. of Valladolid
de Prada, Cesar		Univ. of Valladolid
16:00-18:00		MoC25.6
<i>Quality-Relevant Monitoring and Diagnosis with Dynamic Concurrent Projection to Latent Structures</i> , pp. 2740-2745.		
Liu, Qiang		Northeastern Univ.
Qin, S. Joe		Univ. of Southern California
Chai, Tianyou		Northeastern Univ.
16:00-18:00		MoC25.7
<i>A Step-Wise Sequential Phase Partition Algorithm with Limited Batches for Statistical Modeling and Online Monitoring of Multiphase Batch Processes</i> , pp. 2746-2751.		
Li, Wenqing		Zhejiang Univ.
Zhao, Chunhui		Zhejiang Univ.
16:00-18:00		MoC25.8
<i>Disturbance Rejection for Plant with Input Dead Zone Using Generalized State Observer (I)</i> , pp. 2752-2757.		
Liu, Jie-Qiong		School of Information Science and Engineering, Central South Uni
Chen, Weijie		Central South Univ.
Wu, Min		Central South Univ.
She, Jinhua		Tokyo Univ. of Tech.
He, Yong		Central South Univ.
MoP22		Auditorium 1
Bionic Learning Network – Inspired by Nature (Plenary Session)		
Chair: Boje, Edward		Univ. of Cape Town

18:15-18:45 MoP22.1
*Bionic Learning Network – Inspired by Nature**.
Frontzek, Heinrich Festo AG

MoP33 Auditorium 1
Robot & Remote-Controlled Machine Technology for Accident Response and Decommissioning of the Fukushima Daiichi Nuclear Power Plant (Plenary Session)

Chair: Boje, Edward Univ. of Cape Town

18:45-19:45 MoP33.1
*Robot & Remote-Controlled Machine Technology for Accident Response and Decommissioning of the Fukushima Daiichi Nuclear Power Plant**.
Asama, Hajime The Univ. of Tokyo

Technical Program for Tuesday August 26, 2014

TuP11	Auditorium 1
Safety Critical Control Systems: A Manned and Unmanned Autonomous Aircraft Perspective (Plenary Session)	
Chair: Goodall, Roger	Loughborough Univ.
08:30-09:30	TuP11.1
<i>Safety Critical Control Systems: A Manned and Unmanned Autonomous Aircraft Perspective*</i> .	
Vos, David	Tebogo LLC
TuA01	Ballroom East - Harold Chestnut
Operation and Control of Smart Grid with Source-Grid-Load Interaction (Invited Session)	
Chair: Yong, Taiyou	China Electric Power Res. Inst.
Co-Chair: Zhang, Kaifeng	Southeast Univ.
Organizer: Yong, Taiyou	China Electric Power Res. Inst.
Organizer: Zhang, Kaifeng	Southeast Univ.
10:00-10:20	TuA01.1
<i>Interval Arithmetic Based Influence Analysis on Power Flow Caused by Integration of Wind Power and Electric Vehicles (I)</i> , pp. 2758-2763.	
Luo, Lizi	Southeast Univ.
Zhu, Junpeng	Southeast Univ.
Yang, Shengchun	China Electric Power Res. Inst.
Wang, Ke	China Electric Power Res. Inst.
Yao, Jianguo	China Electric Power Res. Inst.
Gu, Wei	Southeast Univ.
10:20-10:40	TuA01.2
<i>Coordinated Optimization of Wind Energy and Other Sources: Objective and Examples (I)</i> , pp. 2764-2769.	
Wang, Ying	southeast Univ.
Zhang, Kaifeng	Southeast Univ.
Xu, Miao	Southeast Univ.
Teng, Xianliang	State Grid Electric Power Res. Inst.
10:40-11:00	TuA01.3
<i>An Interactive Multi-Agent Based Real Time Control Framework for the Interconnected Power Grid (I)</i> , pp. 2770-2775.	
Yong, Taiyou	China Electric Power Res. Inst.
Yao, Jianguo	China Electric Power Res. Inst.
Yang, Shengchun	China Electric Power Res. Inst.
11:00-11:20	TuA01.4
<i>Proposal of Block Bidding for Large-Scale Wind Power Energy (I)</i> , pp. 2776-2781.	
Geng, Jian	China Electric Power Res. Inst.
Zhang, Kaifeng	Southeast Univ.
Yang, Zhenglin	State Grid Electric Power Res. Inst.
Chen, Changsheng	Southeast Univ.
Zheng, Yaxian	China Electric Power Res. Inst.
11:20-11:40	TuA01.5
<i>Research on the Load Dispatching Model to Deal with the Uncertainty of Wind Power (I)</i> , pp. 2782-2787.	
Liu, Jiantao	China Electric Power Res. Inst.
Wang, Ke	China Electric Power Res. Inst.
Yang, Shengchun	China Electric Power Res. Inst.
Pan, Lingling	China Electric Power Res. Inst.
11:40-12:00	TuA01.6
<i>Framework for Future Smart Grid Operation and Control with Source-Grid-Load Interaction (I)</i> , pp. 2788-2793.	
Yao, Jianguo	China Electric Power Res. Inst.
Yang, Shengchun	China Electric Power Res. Inst.
Wang, Ke	China Electric Power Res. Inst.
Li, Yaping	China Electric Power Res. Inst.
Yang, Zhenglin	State Grid Electric Power Res. Inst.
Yong, Taiyou	China Electric Power Res. Inst.
Pan, Lingling	China Electric Power Res. Inst.

TuA02		Ballroom West - Aleksander Letov
Nonlinear Observers and Filter Design II (Regular Session)		
Chair: Celikovskiy, Sergej	Inst. of Information Theory and Automation Acad. CR	
Co-Chair: Grimstad, Bjarne	IO-Center, NTNU and ITK, NTNU	
10:00-10:20		TuA02.1
<i>Nonlinear Observer Design for the State of Charge of Lithium-Ion Batteries</i> , pp. 2794-2799.		
Ouyang, Quan		Zhejiang Univ.
Chen, Jian		Zhejiang Univ.
Wang, Fan		Zhejiang Univ.
Su, Hongye		Zhejiang Univ.
10:20-10:40		TuA02.2
<i>Finite-Time Output Energy Measure for Polynomial Systems with Applications in Observability Analysis</i> , pp. 2800-2805.		
Rumschinski, Philipp	Otto-von-Guericke-Univ. Magdeburg	
Findeisen, Rolf	Otto-von-Guericke-Univ. Magdeburg	
Streif, Stefan	Otto-von-Guericke-Univ. Magdeburg	
10:40-11:00		TuA02.3
<i>Estimation of Lateral Dynamics and Road Curvature for Two-Wheeled Vehicles: A HOSM Observer Approach</i> , pp. 2806-2811.		
Dabladji, Mohammed El-Habib		Evry Val d'Essonne Univ.
Ichalal, Dalil	Lab. d'Informatique, Biologie Intégrative et Système Complexes	
Arioui, Hichem		Evry Val d'Essonne Univ.
Mammar, Saïd		CNRS
Fridman, Leonid M.		National Autonomous Univ. of Mexico
11:00-11:20		TuA02.4
<i>Observer Design for a Class of Complex Networks with Unknown Topology</i> , pp. 2812-2817.		
Schmidt, Phillip		Univ. of Stuttgart
Moreno, Jaime A.	Univ. Nacional Autonoma de Mexico-UNAM	
Schaum, Alexander		Univ. Autonoma Metropolitana
11:20-11:40		TuA02.5
<i>High Gain Observer for Embedded Acrobot</i> , pp. 2818-2823.		
Anderle, Milan	Faculty of Electrical Engineering, Czech Tech. in	
Celikovskiy, Sergej	Inst. of Information Theory and Automation Acad. CR	
11:40-12:00		TuA02.6
<i>A Nonlinear, Adaptive Observer for Gas-Lift Wells Operating under Slowly Varying Reservoir Pressure</i> , pp. 2824-2829.		
Grimstad, Bjarne	IO-Center, NTNU and ITK, NTNU	
Foss, Bjarne	Norwegian Univ. of Science & Tech.	
TuA03		Auditorium 2 - Eduard Gerecke
Closed Loop Identification (Regular Session)		
Chair: Campi, Marco		Univ. of Brescia
Co-Chair: Katebi, Reza		Univ. of Strathclyde
10:00-10:20		TuA03.1
<i>Sequential Control Performance Diagnosis of Steel Processes</i> , pp. 2830-2835.		
Recalde, Luis Felipe		Univ. of Strathclyde
Katebi, Reza		Univ. of Strathclyde
Yue, Hong		Univ. of Strathclyde
10:20-10:40		TuA03.2
<i>Segmentation Methods for Model Identification from Historical Process Data</i> , pp. 2836-2841.		
Shardt, Yuri		Univ. of Duisburg-Essen
Shah, Sirish L.		Univ. of Alberta
10:40-11:00		TuA03.3
<i>A Variance Reduction Technique for Identification in Dynamic Networks</i> , pp. 2842-2847.		
Gunes, Bilal		Delft Univ. of Tech.
Dankers, Arne		Delft Univ. of Tech.
Van den Hof, Paul M.J.		Eindhoven Univ. of Tech.
11:00-11:20		TuA03.4
<i>On Satisfaction of the Persistent Excitation Condition for the Zone MPC: Numerical Approach</i> , pp. 2848-2853.		

Zacekova, Eva
Pcolka, Matej
Sebek, Michael

Czech Tech. Univ.
Czech Tech. Univ. in Prague
Czech Tech. Univ. in Prague

TuA04		Roof Terrace - John Coales
Distributed Control and Estimation (Regular Session)		
Chair: Werner, Herbert		Hamburg Univ. of Tech.
Co-Chair: Lamperski, Andrew		Univ. of Cambridge
10:00-10:20		TuA04.1
<i>Optimal Two Player LQR State Feedback with Varying Delay</i> , pp. 2854-2859.		
Matni, Nikolai		California Inst. of Tech.
Lamperski, Andrew		Univ. of Cambridge
Doyle, John C.		California Inst. of Tech.
10:20-10:40		TuA04.2
<i>Conservatism of Analysis and Controller Synthesis of Decomposable Systems</i> , pp. 2860-2865.		
Eichler, Annika		Hamburg Univ. of Tech. Germany
Hoffmann, Christian		Hamburg Univ. of Tech.
Werner, Herbert		Hamburg Univ. of Tech.
10:40-11:00		TuA04.3
<i>A Decomposition Result in Linear-Quadratic Coordinated Control</i> , pp. 2866-2871.		
Madjidian, Daria		Lund Univ.
11:00-11:20		TuA04.4
<i>Distributed Estimation Over Analog Fading Channels Using Constant-Gain Estimators</i> , pp. 2872-2877.		
Xiao, Nan		East China Univ. of Science and Tech.
Xie, Lihua		Nanyang Tech. Univ.
Niu, Yugang		East China Univ. of Science & Tech.
Hong, Yiguang		Chinese Acad. of Sciences
11:20-11:40		TuA04.5
<i>A Robust Output Feedback Consensus Protocol for Networked Negative-Imaginary Systems</i> , pp. 2878-2883.		
Wang, Jianan		Univ. of Manchester
Lanzon, Alexander		Univ. of Manchester
Petersen, Ian R		Univ. of New SouthWalesattheAustralianDefenceForceAcademy
TuA05		Da Gama/Diaz
Fractional Systems II (Regular Session)		
Chair: Oustaloup, Alain		Univ. Bordeaux 1 - IPB/ENSEIRB-MATMECA
Co-Chair: Kaczorek, Tadeusz		Bialystok Univ. of Tech.
10:00-10:20		TuA05.1
<i>Long Memory Models: A First Solution to the Infinite Energy Storage Ability of Linear Time-Invariant Fractional Models</i> , pp. 2884-2890.		
Sabatier, Jocelyn		Univ. Bordeaux1
Farges, Christophe		IMS
10:20-10:40		TuA05.2
<i>Flat Output Computation for Fractional Linear Systems: Application to a Thermal System</i> , pp. 2891-2896.		
Victor, Stephane		Univ. de Bordeaux, IMS
Melchior, Pierre		Univ. Bordeaux 1 - IPB/ENSEIRB-MATMECA
Levine, Jean		Ec. des Mines, CAS
Oustaloup, Alain		Univ. Bordeaux 1 - IPB/ENSEIRB-MATMECA
10:40-11:00		TuA05.3
<i>Ideal, Simplified and Inverted Decoupling of Fractional Order TITO Processes</i> , pp. 2897-2902.		
Li, Zhuo		UC Merced
Chen, YangQuan		Univ. of California, Merced
11:00-11:20		TuA05.4
<i>Observer-Based Control of Fractional-Order Linear Systems with Norm-Bounded Uncertainties: New Convex-Optimization Conditions</i> , pp. 2903-2908.		
Ibrir, Salim		King Fahd Univ. of Petroleum and Minerals
Bettayeb, Maamar		Univ. of Sharjah

11:20-11:40 TuA05.5
Minimum Energy Control of Fractional Descriptor Positive Discrete-Time Linear Systems with Bounded Inputs (I), pp. 2909-2914.
Kaczorek, Tadeusz Bialystok Univ. of Tech.

11:40-12:00 TuA05.6
Switching Fractional-Order Controllers of Common Rail Pressure in Compressed Natural Gas Engines (I), pp. 2915-2920.
Lino, Paolo Pol. di Bari
Maione, Guido Pol. di Bari

TuA06 2.41 Pawel Nowacki
Model Predictive Control for Embedded Systems (Invited Session)

Chair: Dumitrache, Ioan Univ. Pol. of Bucharest
Co-Chair: Hovd, Morten Norwegian Univ. of Tech. and Science
Organizer: Necoara, Ion Univ. Pol. Bucharest
Organizer: Dumitrache, Ioan Univ. Pol. of Bucharest

10:00-10:20 TuA06.1
Fixed-Point Implementation of a Proximal Newton Method for Embedded Model Predictive Control (I), pp. 2921-2926.
Guiggiani, Alberto IMT Inst. for Advanced Studies Lucca
Patrinos, Panagiotis IMT Inst. for Advanced Studies Lucca
Bemporad, Alberto IMT Inst. for Advanced Studies Lucca

10:20-10:40 TuA06.2
Complexity of an Inexact Augmented Lagrangian Method: Application to Constrained MPC (I), pp. 2927-2932.
Nedelcu, Andrei Valentin Univ. Pol. of Bucharest
Necoara, Ion Univ. Pol. Bucharest
Dumitrache, Ioan Univ. Pol. of Bucharest

10:40-11:00 TuA06.3
Low Complexity Constraint Control Using Contractive Sets (I), pp. 2933-2938.
Hovd, Morten Norwegian Univ. of Tech. and Science
Olaru, Sorin Supelec
Bitsoris, George Univ. of Patras

11:00-11:20 TuA06.4
Robust Explicit MPC Design under finite Precision Arithmetic (I), pp. 2939-2944.
Suardi, Andrea Imperial Coll. London
Longo, Stefano Cranfield Univ.
Kerrigan, Eric C. Imperial Coll. London
Constantinides, George A. Imperial Coll. London

11:20-11:40 TuA06.5
A New Quadratic Programming Strategy for Efficient Sparsity Exploitation in SQP-Based Nonlinear MPC and MHE (I), pp. 2945-2950.
Frasch, Janick Univ. of Heidelberg, Germany
Vukov, Milan KU Leuven
Ferreau, Hans Joachim K.U. Leuven
Diehl, Moritz K.U. Leuven

TuA07 2.44 - Victor Broida
Bio-Signals Analysis and Interpretation (Regular Session)

Chair: Bazanella, Alexandre S. Univ. Federal Do Rio Grande Do Sul
Co-Chair: Zhao, Xingang Shenyang Inst. of Automation, CAS

10:00-10:20 TuA07.1
Real-Time EMG Signal Frequency Identification, pp. 2951-2956.
Zimenko, Konstantin ITMO Univ.
Margun, Alexey ITMO Univ.
Bobtsov, Alexey ITMO Univ.
Bazylev, Dmitry ITMO Univ.
Kremlev, Artem ITMO Univ.

10:20-10:40 TuA07.2
Pattern Classification of Human Cognitive State in Man-Machine Systems Using Multiple Sources of Psychophysiological Data and Fuzzy Clustering Approach, pp. 2957-2962.
Zhang, Jianhua East China Univ. of Science and Tech.

10:40-11:00	TuA07.3
<i>Detection of Mental Fatigue Using an Active BCI Inspired Signal Processing Chain</i> , pp. 2963-2968.	
Roy, Raphaëlle N.	CEA
Charbonnier, Sylvie	Univ. Joseph Fourier/ Grenoble INP
Bonnet, Stephane	CEA
11:00-11:20	TuA07.4
<i>Classification of Gesture Based on Semg Decomposition: A Preliminary Study</i> , pp. 2969-2974.	
Xiong, Anbin	Shenyang Inst. of Automation (SIA), Chinese Acad. of Scienc
Zhang, Daohui	the State Key Lab. of Robotics, Shenyang Inst. of Autom
Zhao, Xingang	Shenyang Inst. of Automation, CAS
Han, Jianda	Shenyang Inst. of Automation
Liu, Guangjun	Ryerson Univ.
11:20-11:40	TuA07.5
<i>An Embedded Classifier of Lung Sounds Based on the Wavelet Packet Transform and ANN</i> , pp. 2975-2980.	
Tocchetto, Marco A.	Univ. Estadual do Rio Grande do Sul (UERGS)
Bazanella, Alexandre S.	Univ. Federal Do Rio Grande Do Sul
Guimarães, Leticia	Univ. Estadual do Rio Grande do Sul (UERGS)
Fragoso, João Leonardo	Univ. Estadual do Rio Grande do Sul (UERGS)
Parraga, Adriane	Univ. Estadual do Rio Grande do Sul (UERGS)
11:40-12:00	TuA07.6
<i>Physiological Signals Based Quantitative Evaluation Method of the Pain</i> , pp. 2981-2986.	
Chu, Yaqi	Shenyang Inst. of Automation, Chinese Acad. of Sciences Sta
Zhao, Xingang	Shenyang Inst. of Automation, CAS
Yao, Jun	Shenyang Ligong Univ.
Zhao, Yiwen	State Key Lab. of Robotics, Shenyang Inst. of Automati
Wu, Zhenwei	State Key Lab. of Robotics, Shenyang Inst. of Automati

TuA08 2.61 - John Lozier

Engine Modelling and Control I (Regular Session)

Chair: Glover, Keith	Univ. of Cambridge
Co-Chair: van Nierkerk, Theo	Nelson Mandela Metropolitan Univ.

10:00-10:20	TuA08.1
<i>On-Engine Validation of Mean Value Models for IC Engine Air-Path Control and Evaluation</i> , pp. 2987-2993.	
Dickinson, Paul	Univ. of Cambridge
Cieslar, Dariusz	Univ. of Cambridge
Glover, Keith	Univ. of Cambridge
Collings, Nick	Univ. of Cambridge
Yamashita, Yukio	Mitsubishi Heavy Industries, Ltd
Hoshi, Toru	Mitsubishi Heavy Industries, Ltd
Yashiro, Yusuke	Mitsubishi Heavy Industries, Ltd

10:20-10:40	TuA08.2
<i>Feedback Linearization Based Control Approach for Turbocharged Air System of SI Engine: Toward a Fuel-Optimal Strategy</i> , pp. 2994-2999.	
Nguyen, AnhTu	LAMIH - Univ. of Valenciennes
Sugeno, Michio	European Centre for Soft Computing
Dambrine, Michel	Univ. de Valenciennes et du Hainaut-Cambrésis
Lauber, Jimmy	Univ. of Valenciennes

10:40-11:00	TuA08.3
<i>Direct C/GMRES Control of the Air Path of a Diesel Engine</i> , pp. 3000-3005.	
Gagliardi, Davide	Univ. Paris-Est, Lab. Modélisation et Simulation Mul
Ohtsuka, Toshiyuki	Kyoto Univ.
del Re, Luigi	Johannes Kepler Univ.

11:00-11:20	TuA08.4
<i>Modeling and Control of Diesel Engines with a High-Pressure Exhaust Gas Recirculation System</i> , pp. 3006-3011.	
Samokhin, Sergey	Aalto Univ.
Sarjovaara, Teemu	Aalto Univ.
Zenger, Kai	Aalto Univ. School of Electrical Engineering
Larmi, Martti	Aalto Univ.

11:20-11:40		TuA08.5
<i>Air-Path Model Predictive Control of a Heavy-Duty Diesel Engine with Variable Valve Actuation</i> , pp. 3012-3017.		
Gelso, Esteban R.		Volvo Group Trucks Tech.
Lindberg, Johan		Volvo Group Trucks Tech.
11:40-12:00		TuA08.6
<i>SCR Ammonia Dosing Control by a Nonlinear Model Predictive Controller</i> , pp. 3018-3023.		
Stadlbauer, Stephan	Inst. for Design and Control of Mechatronical Systems,	Johanne
Waschl, Harald		Johannes Kepler Univ. Linz
del Re, Luigi		Johannes Kepler Univ.
TuA09		1.41 - Uolevi Luoto
Intelligent Robotics (Regular Session)		
Chair: Su, Jianbo		Shanghai Jiaotong Univ.
Co-Chair: Bertram, Torsten		Tech. Univ. Dortmund
10:00-10:20		TuA09.1
<i>Motion Planning for Multi-Robot Coordination on Representation Space</i> , pp. 3024-3029.		
Su, Jianbo		Shanghai Jiaotong Univ.
Zhang, Yanjun		Shanghai Jiaotong Univ.
10:20-10:40		TuA09.2
<i>Generation of New Robot Skills from Learned Skills</i> , pp. 3030-3035.		
Hernandez Garcia, Daniel		Univ. Carlos III de Madrid
Monje, Concepción		Univ. Carlos III of Madrid
Balaguer, Carlos		Univ. Carlos III de Madrid
10:40-11:00		TuA09.3
<i>Learning to Catch Moving Objects with Reduced Impulse Exchange</i> , pp. 3036-3041.		
Phung, Anh Son		Tech. Univ. Dortmund, Germany
Malzahn, Jörn		Tech. Univ. Dortmund
Hoffmann, Frank		Univ. of Dortmund
Bertram, Torsten		Tech. Univ. Dortmund
11:00-11:20		TuA09.4
<i>Knowledge Base Representation for Humanoid Robot Skills</i> , pp. 3042-3047.		
Hernandez Garcia, Daniel		Univ. Carlos III de Madrid
Monje, Concepción		Univ. Carlos III of Madrid
Balaguer, Carlos		Univ. Carlos III de Madrid
11:20-11:40		TuA09.5
<i>Formulating Robot Pursuit-Evasion Strategies by Model Checking</i> , pp. 3048-3055.		
Qu, Hongyang		Univ. of Sheffield
Kolling, Andreas		Linköping Univ.
Veres, Sandor M		Univ. of Sheffield
11:40-12:00		TuA09.6
<i>Describing Constraint-Based Assembly Tasks in Unstructured Natural Language</i> , pp. 3056-3061.		
Stenmark, Maj		Lund Univ.
Malec, Jacek		Lund Univ.
TuA10		1.42 - Yoshikazu Sawaragi
Model Predictive Control in Chemical Processes II (Regular Session)		
Chair: Bao, Jie		The Univ. of New South Wales
Co-Chair: Huusom, Jakob Kjøbsted		Tech. Univ. of Denmark
10:00-10:20		TuA10.1
<i>A Tuning Approach for Offset-Free MPC with Conditional Reference Adaptation</i> , pp. 3062-3067.		
Waschl, Harald		Johannes Kepler Univ. Linz
Jorgensen, John Bagterp		Tech. Univ. of Denmark
Huusom, Jakob Kjøbsted		Tech. Univ. of Denmark
del Re, Luigi		Johannes Kepler Univ.
10:20-10:40		TuA10.2
<i>Non-Constant Prediction-Step for Processes with Multi-Scale Dynamics</i> , pp. 3068-3073.		

Tippett, Michael James	The Univ. of New South Wales
Tan, Chee Keong	Univ. of New South Wales
Bao, Jie	The Univ. of New South Wales
10:40-11:00	TuA10.3
<i>A Family of High-Performance Solvers for Linear Model Predictive Control</i> , pp. 3074-3079.	
Frison, Gianluca	Tech. Univ. of Denmark
Sokoler, Leo Emil	Tech. Univ. of Denmark
Jorgensen, John Bagterp	Tech. Univ. of Denmark
11:00-11:20	TuA10.4
<i>Nonlinear Model Predictive Control of Dimethyl Ether Combustion in a Jet Stirred Reactor</i> , pp. 3080-3085.	
Lammersen, Thomas	RWTH Aachen Univ.
Stoehr, Klaus Dieter	RWTH Aachen Univ.
Abel, Dirk	RWTH-Aachen Univ.
Peters, Norbert	RWTH Aachen Univ.
11:20-11:40	TuA10.5
<i>A Realistic Process Example for MIMO MPC Based on Autoregressive Models</i> , pp. 3086-3091.	
Huusom, Jakob Kjøbsted	Tech. Univ. of Denmark
Jorgensen, John Bagterp	Tech. Univ. of Denmark
11:40-12:00	TuA10.6
<i>A Repetitiveness Index-Based Adaptive Two Dimensional Iterative Learning Model Predictive Control</i> , pp. 3092-3097.	
Lu, Jingyi	Hong Kong Univ. of Science and Tech.
Cao, Zhixing	Hong Kong Univ. of Science and Tech.
Gao, Furong	Hong Kong Univ. of Sci & Tech.
TuA11	1.43 - Tibor Vamos
Control Applications and Implementation (Regular Session)	
Chair: Nagahara, Masaaki	Kyoto Univ.
Co-Chair: Ruths, Justin	Singapore Univ. of Tech. and Design
10:00-10:20	TuA11.1
<i>Controlled Synchronization: A Huygens' Inspired Approach</i> , pp. 3098-3103.	
Pena Ramirez, Jonatan	Eindhoven Univ. of Tech.
Denasi, Alper	Eindhoven Univ. of Tech.
Rodriguez-Angeles, Alejandro	Center for Res. and Advanced Studies, Cinvestav-IPN
Alvarez, Joaquin	CICESE
Nijmeijer, Hendrik	Eindhoven Univ. of Tech.
Aihara, Kazuyuki	Univ. of Tokyo
10:20-10:40	TuA11.2
<i>A Low-Cost HIL Platform for Testing Professional Refrigerators Controllers</i> , pp. 3104-3109.	
Gambino, Giovanni	-
Siano, Gianmichele	Univ. of Sannio in Benevento
Palmieri, Giovanni	Dipartimento di Ingegneria
Mauro, William	Univ. of Naples
Vanoli, Giuseppe	Univ. of Sannio in Benevento
Crisculo, Ferdinando	Smartfreeze
Del Cogliano, Davide	Smartfreeze
De Rossi, Filippo	Univ. of Sannio in Benevento
Glielmo, Luigi	Univ. of Sannio
10:40-11:00	TuA11.3
<i>FIR Digital Filter Design by Sampled-Data H-Infinity Discretization</i> , pp. 3110-3115.	
Nagahara, Masaaki	Kyoto Univ.
Yamamoto, Yutaka	Kyoto Univ.
11:00-11:20	TuA11.4
<i>Optimal Control of an Epileptic Neural Population Model</i> , pp. 3116-3121.	
Ruths, Justin	Singapore Univ. of Tech. and Design
Taylor, Peter	Nanyang Tech. Univ.
Dauwels, Justin	Nanyang Tech. Univ.
11:20-11:40	TuA11.5

<i>Guaranteed Dominant Pole Placement with Discrete-PID Controllers: A Modified Nyquist Plot Approach</i> , pp. 3122-3127.	
Dincel, Emre	Istanbul Tech. Univ.
Söylemez, Mehmet Turan	Istanbul Technical Univ.
11:40-12:00	TuA11.6
<i>Automatic Generation of Feedforward Controllers Using Dynamic Local Model Networks</i> , pp. 3128-3133.	
Euler-Rolle, Nikolaus	Vienna Univ. of Tech.
Hametner, Christoph	Vienna Univ. of Tech.
Jakubek, Stefan M.	Tech. Univ. of Vienna/Austria

TuA12	1.44 - Manfred Thoma
Power System Operation II (Regular Session)	

Chair: Yadykin, Igor	V.A. Trapeznikov Inst. of Control Sciences, Russian Acad. of Sciences
Co-Chair: Pota, Hemanshu	Univ. of New South Wales

10:00-10:20	TuA12.1
<i>Effects of Increasing Intermittent Generation on the Frequency Control of the European Power System</i> , pp. 3134-3139.	
Nassar, Ibrahim	Univ. of Al-Azhar, Egypt
Alali, Salaheddin	Univ. of Rostock, Germany
Weber, Harald	Univ. of Rostock

10:20-10:40	TuA12.2
<i>Consensus-Based Approach for the Economic Dispatch Problem</i> , pp. 3140-3145.	
Binetti, Giulio	Pol. di Bari
Naso, David	Pol. di Bari
Turchiano, Biagio	Pol. di Bari
Davoudi, Ali	Univ. of Texas at Arlington
Lewis, Frank L.	Univ. of Texas at Arlington

10:40-11:00	TuA12.3
<i>Distributed Consensus Charging for Current Unbalance Reduction</i> , pp. 3146-3151.	
Liu, Mingming	Hamilton Inst. National Univ. of Ireland Maynooth
Mc Namara, Paul	NUI Maynooth
Shorten, Robert	Nat. Univ. of Ireland
Mcloone, Sean	NUI Maynooth

11:00-11:20	TuA12.4
<i>Optimal Lighting Project Maintenance Planning by a Control System Approach</i> , pp. 3152-3157.	
Ye, Xianming	Univ. of Pretoria
Xia, Xiaohua	Univ. of Pretoria

11:20-11:40	TuA12.5
<i>Incentive Design and Utility Learning Via Energy Disaggregation</i> , pp. 3158-3163.	
Ratliff, Lillian	Univ. of California, Berkeley
Dong, Roy	Univ. of California at Berkeley
Ohlsson, Henrik	Linköping Univ.
Sastry, Shankar	Univ. of California at Berkeley

11:40-12:00	TuA12.6
<i>On-Line Ampacity Monitoring from Phasor Measurements</i> , pp. 3164-3169.	
Hering, Pavel	Univ. of West Bohemia
Janecek, Petr	Univ. of West Bohemia
Janecek, Eduard	Univ. of West Bohemia

TuA13	1.61 - Boris Tamm
Unmanned Aerial Vehicles I (Regular Session)	

Chair: Tayebi, Abdelhamid	Lakehead Univ.
Co-Chair: Hamel, Tarek	Univ. de Nice Sophia Antipolis

10:00-10:20	TuA13.1
<i>Motion Coordination of Thrust-Propelled Underactuated Vehicles in the Presence of Communication Delays</i> , pp. 3170-3175.	
Abdessameud, Abdelkader	Western Univ.
Tayebi, Abdelhamid	Lakehead Univ.
Polushin, Ilia G.	Univ. of Western Ontario

10:20-10:40	TuA13.2
<i>Optical-Flow Based Strategies for Landing VTOL UAVs in Cluttered Environments</i> , pp. 3176-3183.	
Rosa, Lorenzo	Sapienza Univ. of Rome
Hamel, Tarek	Univ. de Nice Sophia Antipolis
Mahony, Robert	Australian National Univ.
Samson, Claude	INRIA Sophia-Antipolis
10:40-11:00	TuA13.3
<i>Robust Trajectory Tracking for Underactuated VTOL Aerial Vehicles: Extended for Adaptive Disturbance Compensation</i> , pp. 3184-3189.	
Castaldi, Paolo	Univ. of Bologna - Aerospace Engineering Faculty
Mimmo, Nicola	Univ. of Bologna - Aerospace Engineering Faculty
Naldi, Roberto	Univ. di Bologna
Marconi, Lorenzo	Univ. di Bologna
11:00-11:20	TuA13.4
<i>Taut Cable Control of a Tethered UAV</i> , pp. 3190-3195.	
Nicotra, Marco M.	Univ. libre de Bruxelles (ULB)
Naldi, Roberto	Univ. di Bologna
Garone, Emanuele	Univ. Libre de Bruxelles
11:20-11:40	TuA13.5
<i>Passivity Based Control of a Quadrotor UAV</i> , pp. 3196-3201.	
Souza, Cristian	Federal Univ. of Santa Catarina
Raffo, Guilherme Vianna	Federal Univ. of Minas Gerais
Castelan, Eugenio B.	Univ. Federal de Santa Catarina
11:40-12:00	TuA13.6
<i>A Robust Adaptive Tracking Controller for an Aircraft with Uncertain Dynamical Terms</i> , pp. 3202-3207.	
Tanyer, Ilker	Izmir Inst. of Tech.
Tatlicioglu, Enver	Izmir Inst. of Tech.
Zergeroglu, Erkan	Gebze Inst. of Tech.
TuA14	1.62 - Brian Anderson
Nonlinear System Identification I (Regular Session)	
Chair: Findeisen, Rolf	Otto-von-Guericke-Univ. Magdeburg
Co-Chair: Calafiore, Giuseppe	Pol. di Torino
10:00-10:20	TuA14.1
<i>Distributed Reconstruction of Nonlinear Networks: An ADMM Approach</i> , pp. 3208-3213.	
Pan, Wei	Imperial Coll. London
Sootla, Aivar	Imperial Coll. London
Stan, Guy-Bart	Imperial Coll.
10:20-10:40	TuA14.2
<i>Wiener System Identification in Presence of Hysteresis Nonlinearities</i> , pp. 3214-3219.	
Radouane, Abdelhadi	ENSET, Univ. of Mohamed V
Giri, Fouad	Univ. of Caen Basse-Normandie
Ikhouane, Faycal	Univ. Pol. de Catalunya
Chaoui, Fatima-Zahra	ENSET, Univ. Mohamed V
10:40-11:00	TuA14.3
<i>Iterative Parameter Estimate with Batched Binary-Valued Observations: Convergence with an Exponential Rate</i> , pp. 3220-3225.	
Bi, Wenjian	Acad. of Mathematics and Systems Science, CAS
Zhao, Yanlong	Chinese Acad. of Sciences
11:00-11:20	TuA14.4
<i>On Identifying Envelop Type Nonlinear Output Error Takagi-Sugeno Fuzzy Models for Dynamic Systems with Uncertainties</i> , pp. 3226-3231.	
Zaidi, Salman	Univ. of Kassel
Kroll, Andreas	Univ. of Kassel
11:20-11:40	TuA14.5
<i>Searching for New Benchmark Models for Detecting Nonlinearity in Data</i> , pp. 3232-3237.	
Waller, Matias	Åland Univ. of Applied Sciences
11:40-12:00	TuA14.6

Sparse Identification of Polynomial and Posynomial Models, pp. 3238-3243.

Calafiore, Giuseppe
El Ghaoui, Laurent M.
Novara, Carlo

Pol. di Torino
Univ. of California at Berkeley
Pol. di Torino

TuA15		1.63 - Stephen Kahne
Estimation and Filtering II (Regular Session)		
Chair: Gattami, Ather		Ericsson Inc.
Co-Chair: Dunik, Jindrich		Univ. of West Bohemia
10:00-10:20		TuA15.1
<i>Feedback Control System with Stochastically Deteriorating Actuator: Remaining Useful Life Assessment</i> , pp. 3244-3249.		
Nguyen, Danh Ngoc		Troyes Univ. of Tech.
Dieulle, Laurence		Troyes Univ. of Tech.
Grall, Antoine		Univ. de Tech. de Troyes
10:20-10:40		TuA15.2
<i>A GNSS Interference Identification and Tracking Based on Adaptive Fading Kalman Filter</i> , pp. 3250-3255.		
Kang, Chang Ho		School of Mechanical & Aerospace Engineering, Seoul National Uni
Kim, Sun Young		School of Mechanical & Aerospace Engineering, Seoul National Uni
Park, Chan Gook		Seoul National Univ.
10:40-11:00		TuA15.3
<i>A Low Cost Filter Design for State and Parameter Estimation in Very High Dimensional Systems</i> , pp. 3256-3261.		
Hoang, Hong Son		SHOM/CMO
Baraille, Rémy		SHOM/LEGOS
11:00-11:20		TuA15.4
<i>Fusion Strategies for Unequal State Vectors in Distributed Kalman Filtering</i> , pp. 3262-3267.		
Noack, Benjamin		Karlsruhe Inst. of Tech. (KIT)
Sijs, Joris		TNO
Hanebeck, Uwe		Karlsruhe Inst. of Tech. (KIT)
11:20-11:40		TuA15.5
<i>Compressive Sampling in Intensity Based Control for Adaptive Optics</i> , pp. 3268-3273.		
Brunner, Elisabeth		Delft Univ. of Tech.
Lopes e Silva, João		TU Delft
de Visser, Cornelis. C.		Delft Univ. of Tech.
Verhaegen, Michel		Delft Univ. of Tech.
11:40-12:00		TuA15.6
<i>Discrete-Time Stochastic Extremum Seeking</i> , pp. 3274-3279.		
Liu, Shujun		Southeast Univ.
Krstic, Miroslav		Univ. of California at San Diego
TuA16		1.64 - Yong-Zai Lu
Industrial Applications of Enterprise Models and Integration (Invited Session)		
Chair: Whitman, Lawrence		Wichita State Univ.
Co-Chair: Bernus, Peter		Griffith Univ.
Organizer: Whitman, Lawrence		Wichita State Univ.
Organizer: Obitko, Marek		Czech Tech. Univ.
Organizer: Panetto, Hervé		CRAN, Univ. of Lorraine, CNRS
Organizer: Cecil, J.		New Mexico State Univ.
10:00-10:40		TuA16.1
<i>Approach for the Rationalisation of Product Lines Variety (I)</i> , pp. 3280-3291.		
Giovannini, Antonio		CRAN, Univ. de Lorraine, CNRS; TRANE SAS;
Aubry, Alexis		Nancy-Univ.
Panetto, Hervé		CRAN, Univ. of Lorraine, CNRS
El Haouzi, Bril, Hind		Nancy Univ.
Pierrel, Ludovic		Trane SAS
Dassisti, Michele		Pol. di Bari

10:40-11:00		TuA16.2
<i>Means to Enable Enterprise Interoperation: CIMOSA Object Capability Profiles and CIMOSA Collaboration View (I)</i> , pp. 3292-3299.		
Kosanke, Kurt		CIMOSA Association e.V.
Vernadat, François		European Court of Auditors
Zelm, Martin		CIMOSA Association e.V.
11:00-11:20		TuA16.3
<i>Enterprise Architecture: Twenty Years of the GERAM Framework (I)</i> , pp. 3300-3308.		
Bernus, Peter		Griffith Univ.
Noran, Ovidiu		Griffith Univ.
Molina, Arturo		Tecnologico de Monterrey
11:20-11:40		TuA16.4
<i>Methodology for Aligning Factory Information and Control Systems in a Complex and Dynamic Environment: Case of Semiconductor Manufacturing (I)</i> , pp. 3309-3314.		
Ben Amira, Ahmed	Ec. des Mines de Saint-Etienne / STMicroelectronics	
Dauzère-Pérés, Stéphane		Ec. des Mines de Saint-Etienne
Vialletelle, Philippe		STMicroelectronics
Lepelletier, Guillaume		STMicroelectronics
Lalevéé, Philippe	Ec. Nationale Supérieure des Mines de Saint-Etienne	
11:40-12:00		TuA16.5
<i>A Production Planning Model for a Steel Plate Fabrication Plant with Flexible Customization and Manufacturing (I)</i> , pp. 3315-3320.		
Lu, Shan		Zhejiang Univ.
Su, Hongye		Zhejiang Univ.
Johnsson, Charlotta		Lund Univ.
Xie, Lei		Zhejiang Univ.
TuA17		Marco Polo
Modeling and Diagnosis of Discrete Event and Hybrid Systems (Regular Session)		
Chair: Mascolo, Saverio		Pol. di Bari
Co-Chair: Luo, Guiming		Tsinghua Univ.
10:00-10:20		TuA17.1
<i>A Hybrid Model of the Akamai Adaptive Streaming Control System</i> , pp. 3321-3326.		
De Cicco, Luca		Pol. di Bari
Cofano, Giuseppe		Pol. di Bari
Mascolo, Saverio		Pol. di Bari
10:20-10:40		TuA17.2
<i>Dynamic Modeling and Optimization in Membrane Distillation System</i> , pp. 3327-3332.		
Eleiwi, Fadi	King Abdullah Univ. of science and Tech. (KAUST)	
Laleg, Taous-Meriem	King Abdullah Univ. of Science and Tech. (KAUST)	
10:40-11:00		TuA17.3
<i>Modelling and Formal Verification of Timing Aspects in Large PLC Programs</i> , pp. 3333-3339.		
Fernandez Adiego, Borja		CERN
Darvas, Daniel		CERN
Blanco Vinuela, Enrique	European Organization for Nuclear Res.	
Tournier, Jean-Charles		CERN
Gonzalez Suarez, Victor Manuel		Univ. of Oviedo
Blech, Jan Olaf		RMIT Univ.
11:00-11:20		TuA17.4
<i>Periodic Modes and Bistability in an Impulsive Goodwin Oscillator with Large Delay</i> , pp. 3340-3345.		
Churilov, Alexander		St.Petersburg State Univ.
Medvedev, Alexander		Uppsala Univ.
Zhusubaliyev, Zhanybai		South West State Univ.
11:20-11:40		TuA17.5
<i>Sampled-Data Disturbance Observer for a Class of Nonlinear Systems</i> , pp. 3346-3351.		
Ahmed Ali, Sofiane		IRSEEM/ESIGELEC
Langlois, Nicolas		IRSEEM / ESIGELEC
Guermouche, Mohamed	Inst. de recherche en systèmes électroniques embarquées IRSEE	
11:40-12:00		TuA17.6

TuA18	2.43 - Pedro Albertos
Navigation, Control, and Sensing in the Marine Environment I (Invited Session)	
Chair: Zereik, Enrica	CNR - ISSIA
Co-Chair: Bibuli, Marco	CNR-ISSIA
Organizer: Zereik, Enrica	CNR - ISSIA
Organizer: Bibuli, Marco	CNR-ISSIA
Organizer: Pascoal, Antonio M.	ISR-Inst. Superior Tecnico
Organizer: Ridao, Pere	Univ. of Girona VAT:ESQ6750002E
10:00-10:20	TuA18.1
<i>Underwater Floating Manipulation for Robotic Interventions (I)</i> , pp. 3358-3363.	
Simetti, Enrico	Univ. of Genova
Casalino, Giuseppe	Univ. of Genova
Torelli, Sandro	Univ. of Genova
Sperinde, Alessandro	Univ. of Genova
Turetta, Alessio	Univ. of Genova
10:20-10:40	TuA18.2
<i>An Intrinsic Tactile Sensor for Underwater Robotics (I)</i> , pp. 3364-3369.	
Palli, Gianluca	Univ. of Bologna
Moriello, Lorenzo	Univ. of Bologna
Scarcia, Umberto	Univ. of Bologna
Melchiorri, Claudio	Univ. of Bologna
10:40-11:00	TuA18.3
<i>Typhoon at CommsNet 2013: Experimental Experience on AUV Navigation and Localization (I)</i> , pp. 3370-3375.	
Allotta, Benedetto	Univ. of Florence
Bartolini, Fabio	Univ. of Florence
Caiti, Andrea	Univ. of Pisa
Costanzi, Riccardo	Univ. of Florence
Di Corato, Francesco	Univ. of Pisa
Fenucci, Davide	Univ. of Pisa
Gelli, Jonathan	Univ. of Florence
Guerrini, Piero	CMRE
Monni, Niccolò	Univ. of Florence
Munafo, Andrea	ISME/Univ. of Pisa
Natalini, Marco	Univ. of Florence
Pugi, Luca	Univ. di Firenze
Ridolfi, Alessandro	Univ. of Florence
Potter, John R.	CMRE
11:00-11:20	TuA18.4
<i>Impact of LBL Calibration on the Accuracy of Underwater Localization (I)</i> , pp. 3376-3381.	
Turetta, Alessio	Univ. of Genova
Casalino, Giuseppe	Univ. of Genova
Simetti, Enrico	Univ. of Genova
Sperinde, Alessandro	Univ. of Genova
Torelli, Sandro	Univ. of Genova
11:20-11:40	TuA18.5
<i>Improving Automatic Target Recognition with Forward Looking Sonar Mosaics (I)</i> , pp. 3382-3387.	
Ferreira, Fausto	CNR-IEIIT
Djapic, Vladimir	NATO Undersea Res. Centre
Micheli, Michele	CMRE Center For Maritime Res. & Experimentation
Caccia, Massimo	CNR-ISSIA
11:40-12:00	TuA18.6
<i>Performance Evaluation of a Low-Cost Stereo Vision System for Underwater Object Detection (I)</i> , pp. 3388-3394.	
Oleari, Fabio	Univ. of Parma
Kallasi, Fabjan	Univ. of Parma
Lodi Rizzini, Dario	Univ. of Parma

TuA19		2.46 - Vladimir Kucera
Guidance, Navigation and Control of Vehicles II (Regular Session)		
Chair: Kim, Youdan		Seoul National Univ.
Co-Chair: Blazic, Saso		Univ. of Ljubljana
10:00-10:20		TuA19.1
<i>The NEMO HD Attitude Determination and Control System: Experimental Mode (I)</i> , pp. 3395-3400.		
Blazic, Saso		Univ. of Ljubljana
Matko, Drago		Univ. of Ljubljana
Bošnjak, Matevž		SPACE-SI
Klancar, Gregor		Univ. of Ljubljana
Music, Gasper		Univ. of Ljubljana
10:20-10:40		TuA19.2
<i>A Fuzzy Optimal Sliding-Mode Guidance for Intercepting Problem</i> , pp. 3401-3406.		
Hou, Zhiwei		Huazhong Univ. of Science and Tech.
Su, Mao		Huazhong Univ. of Science and Tech.
Wang, Yongji		Huazhong Univ. of Science and Tech.
Liu, Lei		Huazhong Univ. of Science and Tech.
10:40-11:00		TuA19.3
<i>Weighting Logic Design of Hybrid Database Referenced Navigation Algorithm Using Multiple Geophysical Information</i> , pp. 3407-3412.		
Lee, Won Hee		Seoul National Univ.
Yoo, Young Min		Seoul National Univ.
Yun, Sehyun		Seoul National Univ.
Park, Chan Gook		Seoul National Univ.
11:00-11:20		TuA19.4
<i>Longitudinal Manoeuvre Load Control of a Flexible Large-Scale Aircraft</i> , pp. 3413-3418.		
Burlion, Laurent		ONERA
Poussot-Vassal, Charles		ONERA
Vuillemin, Pierre		Onera - The French Aerospace Lab.
Leitner, Martin		DLR
Kier, Thimo		DLR
11:20-11:40		TuA19.5
<i>Flight Test Results for Circular Path Following by Model Predictive Control</i> , pp. 3419-3424.		
Hamada, Yoshiro		Japan Aerospace Exploration Agency
Tsukamoto, Taro		JAXA
Ishimoto, Shinji		JAXA
11:40-12:00		TuA19.6
<i>Analysis of the Applicability of PMD Cameras for Measuring Altitude of Flight Near Undisturbed Water Surface</i> , pp. 3425-3430.		
Krysin, Dmitriy		Saint Petersburg State Univ. of Aerospace Inst.
Nebylov, Alexander		State Univ. of Aerospace Inst.
TuA20		2.63 - Wook Hyun Kwon
Model Based Engineering to Support Multidisciplinary Manufacturing Plant Automation (Invited Session)		
Chair: Vogel-Heuser, Birgit		Tech. Univ. of Munich
Co-Chair: Fantuzzi, Cesare		Univ. of Modena and Reggio Emilia
Organizer: Vogel-Heuser, Birgit		Tech. Univ. of Munich
Organizer: Fantuzzi, Cesare		Univ. of Modena and Reggio Emilia
Organizer: Pereira, Carlos Eduardo		Federal Univ. of Rio Grande do Sul - UFRGS
10:00-10:20		TuA20.1
<i>A SysML Based Design Pattern for the High-Level Development of Mechatronic Systems to Enhance Re-Usability (I)</i> , pp. 3431-3437.		
Barbieri, Giacomo		Univ. degli studi di Modena e Reggio Emilia
Kernschmidt, Konstantin		Tech. Univ. München
Fantuzzi, Cesare		Univ. of Modena and Reggio Emilia
Vogel-Heuser, Birgit		Tech. Univ. of Munich
10:20-10:40		TuA20.2

A Model-Based Approach for Achieving Available Automation Systems (I), pp. 3438-3443.

Priego, Rafael	Univ. of the Basque Country (UPV/EHU)
Armentia, Aintzane	Univ. del Pais Vasco
Orive, Dario	Univ. del País Vasco
Estévez, Elisabet	Univ. de Jaén
Marcos, Marga	ETSI Bilbao, Univ. del País Vasco

10:40-11:00 TuA20.3

Semantics to the Shop Floor: Towards Ontology Modularization and Reuse in the Automation Domain (I), pp. 3444-3449.

Legat, Christoph	Tech. Univ. München
Seitz, Christian	Siemens AG - Industry Sector
Lamparter, Steffen	Siemens AG
Feldmann, Stefan	Tech. Univ. München

11:00-11:20 TuA20.4

Reuse of Modules for Mechatronic Modeling and Evaluation of Manufacturing Systems in the Conceptual Design and Basic Engineering Phase (I), pp. 3450-3455.

Weyrich, Michael	Univ. of Stuttgart
Klein, Philipp W.	Univ. of Siegen
Steden, Frank	Univ. of Siegen

11:20-11:40 TuA20.5

Derivation of Diagnostic Models Based on Formalized Process Knowledge (I), pp. 3456-3464.

Arroyo, Esteban	Helmut Schmidt Univ. Hamburg
Schulze, Denis	Helmut Schmidt Univ.
Christiansen, Lars	Helmut Schmidt Univ.
Fay, Alexander	Helmut Schmidt Univ.
Thornhill, Nina	Imperial Coll. London

11:40-12:00 TuA20.6

A Novel Model-Based Approach to Support Development Cycle of Robotic Arm Applications (I), pp. 3465-3470.

Estévez, Elisabet	Univ. de Jaén
Sanchez-Garcia, Alejandro	Univ. of Jaen
Gamez Garcia, Javier	Univ. of Jaén
Gomez-Ortega, J.	Univ. de Jaén

TuA21 2.64 - Alberto Isidori

European Efforts towards Advanced Fault Diagnosis and Fault Tolerant Control for Civil Aircraft: The FP7 RECONFIGURE Project (Invited Session)

Chair: Varga, A.	DLR Oberpfaffenhofen
Co-Chair: Goupil, Philippe	AIRBUS Operations S.A.S.
Organizer: Varga, A.	DLR Oberpfaffenhofen
Organizer: Goupil, Philippe	AIRBUS Operations S.A.S.

10:00-10:20 TuA21.1

AIRBUS Efforts towards Advanced Real-Time Fault Diagnosis and Fault Tolerant Control (I), pp. 3471-3476.

Goupil, Philippe	AIRBUS Operations S.A.S.
Boada Bauxell, Josep	AIRBUS Operations SAS
Marcos, Andres	Univ. of Bristol
Cortet, Emmanuel	AIRBUS Operations S.A.S.
Kerr, Murray Lawrence	Deimos Space
Costa, Hugo Andre	Deimos Space S.L.U.

10:20-10:40 TuA21.2

Dynamic Sensor Allocation Framework for Fault Tolerant Flight Control (I), pp. 3477-3482.

Peni, Tamas	Inst. for Computer Science and Control (MTA-SZTAKI)
Vanek, Balint	MTA SZTAKI
Szabo, Zoltan	Hungarian Acad. of Sciences
Bokor, Jozsef	Hungarian Acad. of Sciences

10:40-11:00 TuA21.3

Moving Horizon Least-Squares Input Estimation for Linear Discrete-Time Stochastic Systems (I), pp. 3483-3488.

Wan, Yiming	Delft Univ. of Tech.
Keviczky, Tamas	Delft Univ. of Tech.
Verhaegen, Michel	Delft Univ. of Tech.

11:00-11:20	TuA21.4
<i>A Fault Diagnosis Based Reconfigurable Longitudinal Control System for Managing Loss of Air Data Sensors for a Civil Aircraft (I)</i> , pp. 3489-3496.	
Varga, A.	DLR Oberpfaffenhofen
Ossmann, Daniel	German Aerospace Center (DLR)
Joos, Hans-Dieter	German Aerospace Center

11:20-11:40	TuA21.5
<i>Reconstruction of Simultaneous Actuator and Sensor Faults for the RECONFIGURE Benchmark Using a Sliding Mode Observer (I)</i> , pp. 3497-3502.	
Alwi, Halim	Univ. of Exeter
Chen, Lejun	Univ. of Exeter
Edwards, Christopher	Univ. of Exeter

TuA22	2.65 - Ian Craig
Intelligent Maintenance Systems and Life Cycle Control (Regular Session)	

Chair: Kopacek, Peter	Vienna Univ. of Tech.
Co-Chair: Zhang, Youmin	Concordia Univ.

10:00-10:20	TuA22.1
<i>End of Life Management of Automation and IT Devices</i> , pp. 3503-3508.	
Kopacek, Peter	Vienna Univ. of Tech.
Kopacek, Bernd	Austrian Society for Systems Engineering and Automation -SAT

10:20-10:40	TuA22.2
<i>Model-Based Testing of PLC Software: Test of Plants' Reliability by Using Fault Injection on Component Level</i> , pp. 3509-3515.	
Roesch, Susanne	Tech. Univ. München
Tikhonov, Dmitry	Inst. of Automation and Information Systems (AIS), Departmen
Schütz, Daniel	Tech. Univ. München
Vogel-Heuser, Birgit	Tech. Univ. of Munich

10:40-11:00	TuA22.3
<i>A Novel Local Time-Frequency Domain Feature Extraction Method for Tool Condition Monitoring Using S-Transform and Genetic Algorithm</i> , pp. 3516-3521.	
Soltani Rad, Javad	Concordia Univ.
Zhang, Youmin	Concordia Univ.
Chen, Chevy	Concordia Univ.

11:00-11:20	TuA22.4
<i>Disassembly Line Balancing Problem with Fixed Number of Workstations under Uncertainty</i> , pp. 3522-3526.	
Bentaha, Mohand Lounes	Ec. des Mines de Saint-Etienne
Battaïa, Olga	Ec. des Mines de Saint-Etienne
Dolgui, Alexandre	Ec. Nationale Supérieure des Mines de Saint-Etienne

11:20-11:40	TuA22.5
<i>How Automatic Control Can Contribute to Asset Management*</i> .	
Lange, Les	Alternisource Products cc

TuA23	2.66
Human-Machine Systems (Regular Session)	

Chair: Koivo, Heikki	Aalto Univ.
Co-Chair: Tilbury, Dawn M.	Univ. of Michigan

10:00-10:20	TuA23.1
<i>A Hierarchical Control Scheme for Smooth Transitions between Level Ground and Ramps with a Robotic Transtibial Prosthesis</i> , pp. 3527-3532.	
Yuan, Kebin	Peking Univ.
Wang, Qining	Peking Univ.
Zhu, Jinying	Peking Univ.
Wang, Long	Peking Univ.

10:20-10:40	TuA23.2
<i>Intelligent Mesh for Self Reconfigurability of an Exoskeleton Arm</i> , pp. 3533-3538.	
Altıntaşı, çağrı	Middle East Tech. Univ. (METU)
Erkmen, Aydan	Middle East Tech. Univ.

10:40-11:00	TuA23.3
<i>Adaptation of the Human-Machine Interface to the Human Skill and Dynamic Characteristics</i> , pp. 3539-3544.	
Tervo, Kalevi	Helsinki Univ. of Tech.
Koivo, Heikki	Aalto Univ.
11:00-11:20	TuA23.4
<i>Unexpected Situations Diagnosis: A Model-Based Approach for Human Machine Systems</i> , pp. 3545-3550.	
Berdjag, Denis	Univ. of Valenciennes
Vanderhaegen, Frédéric	Univ. of Valenciennes and Hainaut-Cambrésis
Shumsky, Alexey	Far Eastern Federal Univ.
Zhirabok, Alexey N.	Far Eastern Federal Univ.
11:20-11:40	TuA23.5
<i>Driver Modeling for Teleoperation with Time Delay</i> , pp. 3551-3556.	
Vozar, Steve	Univ. of Michigan
Tilbury, Dawn M.	Univ. of Michigan
11:40-12:00	TuA23.6
<i>Stability and Robustness Analysis of Frequency-Shaped Impedance Control for Reference Tracking and Compliant Interaction</i> , pp. 3557-3562.	
Oh, Sehoon	Sogang Univ.
Woo, Hanseung	Sogang Univ.
Kong, Kyoungchul	Sogang Univ.
TuA24	Francis Drake
Medical Imaging (Invited Session)	
Chair: Tsuzuki, Marcos de Sales Guerra	Univ. of Sao Paulo
Co-Chair: Russo, Valentina	Univ. CAMPUS Biomedico
Organizer: Tsuzuki, Marcos de Sales Guerra	Univ. of Sao Paulo
Organizer: Feng, David Dagan	The Univ. of Sydney
Organizer: Chase, J. Geoffrey	Univ. of Canterbury
Organizer: Chiew, Yeong Shiong	Univ. of Canterbury
10:00-10:40	TuA24.1
<i>Deformable Models and Optimal Mass Transportation for Processing of DCE-MRI 2D Images (I)</i> , pp. 3563-3568.	
Russo, Valentina	Univ. CAMPUS Biomedico
Lanini, Jessica	Campus Bio-Medico of Rome
Dubbini, Nevio	Univ. of Pisa
10:40-11:00	TuA24.2
<i>Diaphragmatic Surface Reconstruction from Massive Temporal Registration of Orthogonal MRI Sequences (I)</i> , pp. 3569-3574.	
Abe, Leonardo Ishida	Yokohama National Univ.
Tsuzuki, Marcos de Sales Guerra	Univ. of Sao Paulo
Chirinos, Jose Miguel Manzanares	Escola Pol. da Univ. de Sao Paulo
Martins, Thiago de Castro	Univ. of Sao Paulo
Gotoh, Toshiyuki	Yokohama National Univ.
Kagei, Seiichiro	Yokohama National Univ.
Iwasawa, Tae	Kanagawa Cardiovascular and Res. Center
Silva, Alexandre Goncalves	Santa Catarina State Univ.
Ubertino Rosso, Jr., Roberto Silvio	Santa Catarina State Univ.
Tavares, Renato Seiji	Escola Pol. da Univ. de São Paulo
11:00-11:20	TuA24.3
<i>Fisher Vector of Micro-Texton for HEp-2 Staining Pattern Classification (I)</i> , pp. 3575-3580.	
Han, Xian-Hua	Ritsumeikan Univ.
Chen, Yen-Wei	Ritsumeikan Univ.
11:20-11:40	TuA24.4
<i>A Novel Visualization System for ICU Clinical Activity Tracking (I)</i> , pp. 3581-3586.	
Guo, Peng	Univ. of Canterbury
Chiew, Yeong Shiong	Univ. of Canterbury
Shao, Lei	School of Electrical Engineering, Tianjin Univ. of Tech.
Clark, Adrian	Univ. of Canterbury
Chase, J. Geoffrey	Univ. of Canterbury

11:40-12:00	TuA24.5
<i>Perfusion Analysis for Lung MR Images Considering Non-Monotonic Response of Gd-Contrast Agent (I)</i> , pp. 3587-3592.	
Saka, Tomoki	Yokohama National Univ.
Ichikawa, Masaki	Yokohama National Univ.
Kagei, Seiichiro	Yokohama National Univ.
Gotoh, Toshiyuki	Yokohama National Univ.
Iwasawa, Tae	Kanagawa Cardiovascular and Res. Center
Tsuzuki, Marcos de Sales Guerra	Univ. of Sao Paulo

11:40-12:00	TuA24.6
<i>Effect of Detector Blurring on Apical Region in Myocardial Perfusion SPECT Imaging (I)</i> , pp. 3593-3598.	
Hesz, Gábor	Budapest Univ. of Tech. and Ec.
Kári, Béla	Semmelweis Univ. Department of Diagnostic Radiology and On
Szlávecz, Ákos	Budapest Univ. of Tech. and Ec.
Wirth, András	Mediso Ltd.
Pártos, Oszkár	Semmelweis Univ. Department of Nuclear Medicine
Benyo, Balazs	Budapest Univ. of Tech. and Ec.

TuA25	Poster area
Interactive Session on Power Systems (Interactive Session)	

Chair: Erlich, Istvan	Univ. of Duisburg-Essen
Co-Chair: Folly, Komla	Univ. of Cape Town

10:00-12:00	TuA25.1
<i>A Microgrid Library in a General Simulation Language (I)</i> , pp. 3599-3604.	
Salazar, Johanna	Univ. of Valladolid
Tadeo, Fernando	Univ. of Valladolid Q4718001C
de Prada, Cesar	Univ. of Valladolid

10:00-12:00	TuA25.2
<i>Semi-Active Wide-Area Fault-Tolerant Control in Electric Power Systems (I)</i> , pp. 3605-3610.	
Segundo Sevilla, Felix Rafael	KTH Royal Inst. of Tech.
Korba, Petr	Zurich Univ. of Applied Sciences

10:00-12:00	TuA25.3
<i>Social Evolutionary Programming Algorithm on Unit Commitment in Wind Power Integrated System (I)</i> , pp. 3611-3616.	
Li, Nan	China Electric Power Res. Inst.
Bai, Xiaomin	China Electric Power Res. Inst.
Zhu, Shouzhen	Tsinghua Univ.
Zheng, Jinghong	Tsinghua Univ.

10:00-12:00	TuA25.5
<i>Neural Network Based HVAC Predictive Control (I)</i> , pp. 3617-3622.	
Ruano, Antonio	Univ. of Algarve
Ferreira, Pedro M.	Univ. of Lisbon

10:00-12:00	TuA25.6
<i>A Controllable Voltage Equalizer with State of Charge Prediction for Supercapacitors in Large Current Applications</i> , pp. 3623-3628.	
Li, Liran	central south Univ.
Huang, Zhiwu	Central South Univ.
Liu, Weirong	Central South Univ.
Li, Hao	Central South Univ.
Li, Heng	Central South Univ.
Yang, Yingze	Central South Univ.

10:00-12:00	TuA25.7
<i>Wind Turbine Model Validation: Fusion of Simulation and Measurement Data</i> , pp. 3629-3632.	
Stotsky, Alexander A.	Chalmers Univ. of Tech.

10:00-12:00	TuA25.8
<i>Active Fault Tolerant Control of a Wind Turbine Via Fuzzy MPC and Moving Horizon Estimation</i> , pp. 3633-3638.	
Feng, Xiaoran	Univ. of Hull
Patton, Ron J.	Univ. of Hull

10:00-12:00	TuA25.9
<i>Dynamic Programming Framework for Wind Power Maximization</i> , pp. 3639-3644.	

TuB01		Ballroom East - Harold Chestnut
Smart Grid Control III (Regular Session)		
Chair: Lee, Kwang Y.		Baylor Univ.
Co-Chair: Vale, Zita		Pol. Inst. of Porto
13:30-13:50		TuB01.1
<i>Coordinated Contribution of Wind Turbines to Frequency Regulation by Model Predictive Control (I)</i> , pp. 3645-3650.		
Baccino, Francesco		DITEN - Univ. degli Studi di Genova
Conte, Francesco		Univ. of Genova
Grillo, Samuele		Pol. di Milano
Massucco, Stefano		Univ. of Genova
Silvestro, Federico		Univ. of Genova
13:50-14:10		TuB01.2
<i>Power Load Forecasting Based on Multi-Task Gaussian Process</i> , pp. 3651-3656.		
Zhang, Yulai		Tsinghua Univ.
Luo, Guiming		Tsinghua Univ.
Pu, Fuan		Tsinghua Univ.
14:10-14:30		TuB01.3
<i>Planning of Optimal Daily Power Generation Tolerating Prediction Uncertainty of Demand and Photovoltaics</i> , pp. 3657-3662.		
Koike, Masakazu		Tokyo Inst. of Tech.
Ishizaki, Takayuki		Tokyo Inst. of Tech.
Ueda, Yuzuru		Tokyo Inst. of Tech.
Masuta, Taisuke		National Inst. of Advanced Industrial Science and Tech.
Ozeki, Takashi		National Inst. of Advanced Industrial Science and Tech.
Ramdani, Nacim		Univ. d'Orléans
Imura, Jun-ichi		Tokyo Inst. of Tech.
Sadamoto, Tomonori		Tokyo Inst. of Tech.
14:30-14:50		TuB01.4
<i>Prediction and Robust Control of Energy Flow in Renewable Energy Systems</i> , pp. 3663-3669.		
Csáji, Balázs Csanád		MTA SZTAKI
Kovács, András		MTA SZTAKI
Váncza, József		MTA SZTAKI
14:50-15:10		TuB01.5
<i>An Irradiation Prediction Model for Photovoltaic Power Generations under Limited Weather Information (I)</i> , pp. 3670-3675.		
Park, Sung-Won		Sung-Won
Son, Sung-Yong		Gacheon Univ.
Park, Jong-Bae		Konkuk Univ.
Lee, Kwang Y.		Baylor Univ.
Hwang, Hyemi		Korea Inst. of Energy Res.
TuB02		Ballroom West - Aleksander Letov
Output Feedback Control (Regular Session)		
Chair: Wang, Lei		Zhejiang Univ.
Co-Chair: Schuster, Eugenio		Lehigh Univ.
13:30-13:50		TuB02.1
<i>A Partial-State Observer for a Class of MIMO Nonlinear Systems</i> , pp. 3676-3681.		
Wang, Lei		Zhejiang Univ.
Isidori, Alberto		Univ. of Rome "La Sapienza"
Su, Hongye		Zhejiang Univ.
Xu, Weihua		Zhejiang Univ.
13:50-14:10		TuB02.2
<i>Model Predictive Regulation</i> , pp. 3682-3689.		
Aguilar, Cesar		California State Univ. Bakersfield
Krener, Arthur J		Naval Postgraduate School
14:10-14:30		TuB02.3
<i>Robustness of the Moore-Greitzer Compressor Model's Surge Subsystem with New Dynamic Output Feedback Controllers</i> , pp.		

3690-3695.		
Andersson, Alina		Lund Univ.
Robertsson, Anders		LTH, Lund Univ.
Shiriaev, Anton		Umea Univ.
Freidovich, Leonid		Umeå Univ.
Johansson, Rolf		Lund Univ.
14:30-14:50		TuB02.4
<i>Observer-Based Bang-Bang Control for a Class of Nonlinear Stochastic Systems</i> , pp. 3696-3701.		
Barbata, Asma		Univ. de Lorraine
Zasadzinski, Michel		Cran
Souley Ali, Harouna		CRAN UMR 7039 CNRS
Messaoud, Hassani		ENIM, monastir
14:50-15:10		TuB02.5
<i>Nonlinear Burn Control in Tokamak Fusion Reactors Via Output Feedback</i> , pp. 3702-3707.		
Boyer, Mark D.		Lehigh Univ.
Schuster, Eugenio		Lehigh Univ.
15:10-15:30		TuB02.6
<i>A Dynamic Scaling Based Control Redesign Procedure for Uncertain Nonlinear Systems with Input Unmodeled Dynamics</i> , pp. 3708-3713.		
Krishnamurthy, Prashanth		NYU Pol. School of Engineering
Khorrami, Farshad		NYU Pol. School of Engineering
TuB03		1.63 - Stephen Kahne
Continuous Time System Estimation (Regular Session)		
Chair: Perruquetti, Wilfrid		Ec. Centrale de Lille
Co-Chair: Axelsson, Patrik		Linköping Univ. Sweden
13:30-13:50		TuB03.1
<i>On Gaussian Filters for Continuous-Discrete Nonlinear Systems</i> , pp. 3714-3719.		
Katayama, Tohru		Ritsumeikan Univ.
13:50-14:10		TuB03.2
<i>Observation and Observers for Systems from Delay Convolved Observation</i> , pp. 3720-3725.		
Verriest, Erik I.		Georgia Inst. of Tech.
Ivanov, Anatoli		Pennsylvania State Univ.
14:10-14:30		TuB03.3
<i>Discretizing Stochastic Dynamical Systems Using Lyapunov Equations</i> , pp. 3726-3731.		
Wahlström, Niklas		Linköping Univ.
Axelsson, Patrik		Linköping Univ. Sweden
Gustafsson, Fredrik		Linköping Univ.
14:30-14:50		TuB03.4
<i>Non-Asymptotic State Estimation for a Class of Linear Time-Varying Systems with Unknown Inputs</i> , pp. 3732-3738.		
Liu, Da-Yan		INSA Centre Val de Loire, Campus de Bourges
Laleg, Taous-Meriem		King Abdullah Univ. of Science and Tech. (KAUST)
Perruquetti, Wilfrid		Ec. Centrale de Lille
Gibaru, Olivier		ARTS ET METIERS ParisTech
14:50-15:10		TuB03.5
<i>Maximum Likelihood Estimation of LTI Continuous-Time Grey-Box Models</i> , pp. 3739-3744.		
Rehor, Jiri		Czech Tech. Univ. in Prague
Havlena, Vladimir		Honeywell Tech. Center Europe
15:10-15:30		TuB03.6
<i>A New Filtering Approach for Continuous-Time Linear Systems with Delayed Measurements</i> , pp. 3745-3750.		
Cacace, Filippo		Univ. Campus Biomedico di Roma
Conte, Francesco		Univ. of Genova
Germani, Alfredo		Univ. of L'Aquila

TuB04		Roof Terrace - John Coales
Control under Communication Constraints (Regular Session)		
Chair: Ishii, Hideaki		Tokyo Inst. of Tech.

Co-Chair: Quevedo, Daniel E.		The Univ. of Newcastle
13:30-13:50		TuB04.1
<i>Dynamic Quantizers in Presence of Noisy Channels</i> , pp. 3751-3757.		
Baldan, Giancarlo		Massachusetts Inst. of Tech.
Dahleh, Munther A.		Massachusetts Inst. of Tech.
Megretski, Alexandre		Massachusetts Inst. of Tech.
13:50-14:10		TuB04.2
<i>Controllability of Discrete-Time Networked Control Systems with Try Once Discard Protocol</i> , pp. 3758-3763.		
Ljesnjanin, Merid		The Univ. of Melbourne
Quevedo, Daniel E.		The Univ. of Newcastle
Nesic, Dragan		Univ. of Melbourne
14:10-14:30		TuB04.3
<i>Switched Model Predictive Control for Networked Control Systems with Time Delays and Packet Disorderings</i> , pp. 3764-3769.		
Liu, Andong		Zhejiang Univ. of Tech.
Yu, Li		Zhejiang Univ. of Tech.
Zhang, Wen-An		Zhejiang Univ. of Tech.
14:30-14:50		TuB04.4
<i>Control Over Additive White Gaussian Noise Channels: Bode-Type Integrals, Channel Blurredness, Negentropy Rate, and Beyond</i> , pp. 3770-3775.		
Fang, Song		City Univ. of Hong Kong
Ishii, Hideaki		Tokyo Inst. of Tech.
Chen, Jie		City Univ. of Hong Kong
14:50-15:10		TuB04.5
<i>Optimal Sequence-Based Tracking Control Over Unreliable Networks</i> , pp. 3776-3783.		
Fischer, Joerg		Karlsruhe Inst. of Tech. (KIT)
Dolgov, Maxim		Karlsruhe Inst. of Tech. (KIT)
Hanebeck, Uwe		Karlsruhe Inst. of Tech. (KIT)
15:10-15:30		TuB04.6
<i>Optimal Sensor and Actuator Placement in Complex Dynamical Networks</i> , pp. 3784-3789.		
Summers, Tyler		ETH Zurich
Lygeros, John		ETH Zurich
TuB05		Da Gama/Diaz
Linear Systems and Positive Systems (Regular Session)		
Chair: Bartosiewicz, Zbigniew		Bialystok Univ. of Tech.
Co-Chair: Peaucelle, Dimitri		LAAS-CNRS
13:30-13:50		TuB05.1
<i>Efficient Convergence Rate Analysis of Multi-Agent Positive Systems under Formation Control</i> , pp. 3790-3796.		
Ebihara, Yoshio		Kyoto Univ.
Peaucelle, Dimitri		LAAS-CNRS
Arzelier, Denis		LAAS-CNRS
13:50-14:10		TuB05.2
<i>On the Distinguishability of Positive Linear Time-Invariant Systems with Affine Parametric Uncertainties</i> , pp. 3797-3802.		
Motchon, Koffi M. Djidula		Univ. Lille1
Pekpe, Komi Midzodzi		LAGIS
Cassar, J.P.		Univ. des Sciences et Tech. de LILLE
De Bièvre, Stephan		Univ. Lille 1
14:10-14:30		TuB05.3
<i>Reachability and Observability Graphs for Linear Positive Systems on Time Scales</i> , pp. 3803-3808.		
Bartosiewicz, Zbigniew		Bialystok Univ. of Tech.
14:30-14:50		TuB05.4
<i>A New Approach to H-Infinity Model Reduction for Positive Systems</i> , pp. 3809-3814.		
Li, Xianwei		Harbin Inst. of Tech.
Yu, Changbin (Brad)		Australian National Univ.
Gao, Huijun		Harbin Inst. of Tech.
Zhang, Lixian		Harbin Inst. of Tech.
14:50-15:10		TuB05.5

Controllability, Observability and Eigenvalue Assignment on Isolated Time Scales, pp. 3815-3820.

Gören Sümer, Leyla
Sevim, Ufuk

Istanbul Tech. Univ.
Istanbul Tech. Univ.

15:10-15:30

TuB05.6

Tracking Problem for Linear Systems with Parametric Uncertainties and Unstable Zero Dynamics, pp. 3821-3826.

Utkin, Anton
Utkin, Victor
Krasnova, Svetlana
Kochetkov, Sergey

ICS
ICS
ICS
Istitute of Control Sciences

TuB06

2.41 Pawel Nowacki

Motion Control Systems III (Regular Session)

Chair: Sjöberg, Johan
Co-Chair: Huba, Mikulas

Corp. Res. ABB AB
Slovak Univ. of Tech.

13:30-13:50

TuB06.1

PD-Super-Twisting Second Order Sliding Mode Tracking Control for a Nonholonomic Wheeled Mobile Robot, pp. 3827-3832.

Elyoussef, Ebrahim Samer
Martins, Nardênio Almeida
De Pieri, Edson Roberto
Moreno, Ubirajara F.

Univ. Federal de Santa Catarina
UFSC - Univ. Federal de Santa Catarina
Federal Univ. of Santa Catarina
Federal Univ. of Santa Catarina

13:50-14:10

TuB06.2

Nonlinear State Feedback H_∞ -Control of Mechanical Systems under Unilateral Constraints, pp. 3833-3838.

Montaño Godinez, Oscar Eduardo
Orlov, Yury
Aoustin, Yannick

CICESE
CICESE
CNRS, Univ. of nantes

14:10-14:30

TuB06.3

Modeling and Control of a Tiltrotor UAV for Path Tracking, pp. 3839-3844.

Donadel, Rodrigo
Raffo, Guilherme Vianna
Becker, Leandro

Federal Univ. of Santa Catarina
Federal Univ. of Minas Gerais
Federal Univ. of Santa Catarina

14:30-14:50

TuB06.4

Multi-Axis Time Synchronization for Uncoordinated Motion Planning with Hard Constraints, pp. 3845-3850.

Blaha, Lukas

Univ. of West Bohemia, Faculty of applied sciences

14:50-15:10

TuB06.5

Energy-Efficient Trajectory Planning for a Mobile Agent by Using a Two-Stage Decomposition Approach, pp. 3851-3856.

Yu, Han
Wang, Yebin
Bortoff, Scott
Ueda, Koichiro

GE Global Res.
Mitsubishi Electric Res. Lab.
MERL - USA
Mitsubishi Electric Corp.

15:10-15:30

TuB06.6

Robust Tracking Control of 6-DOF Parallel Electrical Manipulator in Joint-Task Space with Fast Friction Estimation, pp. 3857-3862.

Hao, Renjian
Wang, Junzheng
Zhao, Jiangbo
Wang, Shoukun

Beijing Inst. of Tech.
Beijing Inst. of Tech.
Beijing Inst. of Tech.
Beijing Inst. of Tech.

TuB07

2.44 - Victor Broida

Models, Methods, Control, System ID and Clinical Applications in Medical and Biological Systems (Invited Session)

Chair: Docherty, Paul D
Co-Chair: Moeller, Knut
Organizer: Docherty, Paul D
Organizer: Moeller, Knut
Organizer: Chase, J. Geoffrey
Organizer: Pielmeier, Ulrike
Organizer: Andreassen, Steen

Univ. of Canterbury
Furtwangen Univ.
Univ. of Canterbury
Furtwangen Univ.
Univ. of Canterbury
Aalborg Univ.
Aalborg Univ.

13:30-13:50

TuB07.1

RGBD Camera Monitoring System for Alzheimer's Disease Assessment Using Recurrent Neural Networks with Parametric Bias Action

Recognition, pp. 3863-3868.

Iarlori, Sabrina	Univ. Pol. delle Marche
Giantomassi, Andrea	Univ. Pol. delle Marche
Ferracuti, Francesco	Univ. Pol. delle Marche
Longhi, Sauro	Univ. Pol. delle Marche

13:50-14:10

TuB07.2

Structural Identifiability Analysis of a Cardiovascular System Model (I), pp. 3869-3874.

Pironet, Antoine	Univ. of Liege
Dauby, Pierre C.	Univ. of Liege
Chase, J. Geoffrey	Univ. of Canterbury
Revie, James A	Univ. of Canterbury
Docherty, Paul D	Univ. of Canterbury
Desaive, Thomas	Univ. of Liege

14:10-14:30

TuB07.3

Managing Patient-Specific Mechanical Ventilation: Clinical Utilisation of Respiratory Elastance (CURE) – Model and Software Development (I), pp. 3875-3880.

Redmond, Daniel Paul	Univ. of Canterbury
Davidson, Shaun M	Univ. of Canterbury
Laing, Hamish	Univ. of Canterbury
White, Richard	Univ. of Canterbury
Radzi, Faizi	Univ. of Canterbury
Chiew, Yeong Shiong	Univ. of Canterbury
Poole, Sarah F	Univ. of Canterbury
Damanhuri, Nor Salwa	Univ. of Canterbury
Desaive, Thomas	Univ. of Liege
Shaw, Geoffrey M	Christchurch Hospital, Canterbury District Health Board
Chase, J. Geoffrey	Univ. of Canterbury

14:30-14:50

TuB07.4

Imaging of Rayleigh Damping Properties of the in Vivo Brain Using Parametric Magnetic Resonance Elastography (I), pp. 3881-3886.

Petrov, Andrii	Univ. of Canterbury
Docherty, Paul D	Univ. of Canterbury
Sellier, Mathieu	Univ. of Canterbury
Chase, J. Geoffrey	Univ. of Canterbury

14:50-15:10

TuB07.5

Anisotropic Diffusion Filtering Operation and Limitations - Magnetic Resonance Imaging Evaluation (I), pp. 3887-3892.

Palma, Caio	Federal Univ. of Sao Paulo
Menocci Cappabianco, Fabio Augusto	Federal Univ. of Sao Paulo
Shinsuki Ide, Jaime	Federal Univ. of Sao Paulo
Vechiatto de Miranda, Paulo Andre	Univ. of Sao Paulo

15:10-15:30

TuB07.6

The Regional Conjugate Optimisation Approach: A Novel Method for Three Parameter Identification of Physiological Models (I), pp. 3893-3898.

Davidson, Shaun M	Univ. of Canterbury
Docherty, Paul D	Univ. of Canterbury
Allison, Peter A	Univ. of Canterbury

TuB08

2.61 - John Lozier

Energy Management Control for XEV: Modelling and Battery Element (Invited Session)

Chair: Rizzo, Gianfranco	Univ. of Salerno
Co-Chair: Colin, Guillaume	Univ. of Orléans
Organizer: Sciarretta, Antonio	IFP
Organizer: Onori, Simona	Clemson Univ.
Organizer: Zou, Yuan	Beijing Inst. of Tech.
Organizer: Chamailard, Yann	PRISME

13:30-13:50

TuB08.1

Residual Capacity Estimation for Ultracapacitors in Electric Vehicles Using Artificial Neural Network (I), pp. 3899-3904.

Zhang, Lei	Univ. of Tech. Sydney
Wang, Zhenpo	Beijing Inst. of Tech.

Hu, Xiaosong Dorrell, David	Chalmers Univ. of Tech. Univ. of Tech. Sydney
13:50-14:10	TuB08.2
<i>MIMO Hinf Control for Power Source Coordination -Application to Energy Management Systems of Electric Vehicles (I)</i> , pp. 3905-3911.	
Nwesaty, Waleed Bratcu, Antoneta Iuliana Sename, Olivier	Grenoble Inst. of Tech. Gipsa-Lab. ControlSystems Depa Grenoble Inst. of Tech. Gipsa-Lab. ControlSystems Depa Grenoble Inst. of Tech. / GIPSA-Lab.
14:10-14:30	TuB08.3
<i>Control-Oriented Modeling of a Lithium-Ion Battery for Fast Charging (I)</i> , pp. 3912-3917.	
Zou, Changfu Manzie, Chris Anwar, Sohel	Univ. of Melbourne The Univ. of Melbourne Purdue School of Engr. & Tech.
14:30-14:50	TuB08.4
<i>Minimum-Time Path Following in Highly Redundant Electric Vehicles (I)</i> , pp. 3918-3923.	
de Castro, Ricardo Tanelli, Mara Araújo, Rui Esteves Savaresi, Sergio	German Aerospace Center (DLR) Pol. di Milano Univ. of Porto - Faculty of Engineering Pol. di Milano
14:50-15:10	TuB08.5
<i>Battery Management Using Secondary Loads: A Novel Integrated Approach (I)</i> , pp. 3924-3929.	
Muenzel, Valentin de Hoog, Julian Brazil, Marcus Thomas, Doreen Anne Mareels, Iven	Univ. of Melbourne Univ. of Melbourne The Univ. of Melbourne Univ. of Melbourne The Univ. of Melbourne
15:10-15:30	TuB08.6
<i>Design of Power Steering Systems for Heavy-Duty Long-Haul Vehicles (I)</i> , pp. 3930-3935.	
Silvas, Emilia Backx, Eric Voets, Henk Hofman, Theo Steinbuch, Maarten	Eindhoven Univ. of Tech. Eindhoven Univ. of Tech. DAF Trucks N.V. Tech. Univ. Eindhoven Eindhoven Univ. of Tech.
TuB09	1.41 - Uolevi Luoto
Estimation, Guidance and Control of Missiles (Invited Session)	
Chair: Padhi, Radhakant Co-Chair: Tsourdos, Antonios Organizer: Padhi, Radhakant Organizer: Tsourdos, Antonios Organizer: Le Menec, Stephane	Indian Inst. of Science Cranfield Univ. Indian Inst. of Science Cranfield Univ. MBDA France
13:30-13:50	TuB09.1
<i>Novel Evolutionary Game Based Multi-Objective Optimisation for Dynamic Weapon Target Assignment (I)</i> , pp. 3936-3941.	
Leboucher, Cedric Shin, Hyo-Sang Le Menec, Stephane Tsourdos, Antonios Kotenkoff, Alexandre Siarry, Patrick Chelouah, Rachid	MBDA France Cranfield Univ. MBDA France Cranfield Univ. MBDA Univ. Paris 12 EISTI
13:50-14:10	TuB09.2
<i>Full-State Autopilot-Guidance Design under a Linear Quadratic Differential Game Formulation (I)</i> , pp. 3942-3947.	
Levy, Maital Shima, Tal Gutman, Shaul	Tech. Tech. - Israel Inst. of Tech. Tech.
14:10-14:30	TuB09.3
<i>Minimum Variation Guidance Laws for Interceptor Missiles (I)</i> , pp. 3948-3953.	
Weiss, Martin	TNO

Shima, Tal	Tech. - Israel Inst. of Tech.
14:30-14:50	TuB09.4
<i>Modified Generalized Explicit Guidance for Midcourse with Near-Zero Lateral Acceleration in Terminal Phase (I)</i> , pp. 3954-3959.	
Sahu, Uttam	DRDO
Dwivedi, Prasiddha Nath	DRDO
Bhattacharyaa, Abhijit	DRDO
Padhi, Radhakant	Indian Inst. of Science
14:50-15:10	TuB09.5
<i>Observability Analysis on Radome Aberration Estimation (I)</i> , pp. 3960-3965.	
Seo, Min-Guk	Korea Advanced Inst. of Science and Tech.
Tahk, Min-Jea	Korea Advanced Inst. of Science and Tech.
Ryoo, Chang-Kyung	Inha Univ.
TuB10	1.42 - Yoshikazu Sawaragi
Process Modelling (Regular Session)	
Chair: Canevese, Silvia	RSE S.p.A.
Co-Chair: Lindholm, Anna	Lund Univ.
13:30-13:50	TuB10.1
<i>Empirical Models for Utility Disturbances in the Process Industry</i> , pp. 3966-3972.	
Lindholm, Anna	Lund Univ.
Forsman, Krister	Perstorp AB
13:50-14:10	TuB10.2
<i>Cooling Water System Modelling for Control and Energy Optimisation Purposes</i> , pp. 3973-3978.	
Muller, Cornelius Jacobus	Univ. of Pretoria
Craig, Ian	Univ. of Pretoria
14:10-14:30	TuB10.3
<i>Frequency-Selective Galerkin Models for Turbulent Boundary Layer Drag Reduction</i> , pp. 3979-3984.	
Hakenberg, Mathias	RWTH Aachen Univ.
Abel, Dirk	RWTH-Aachen Univ.
14:30-14:50	TuB10.4
<i>Modelling of a Coagulation Chemical Dosing Unit for Water Treatment Plants Using Fuzzy Inference System</i> , pp. 3985-3991.	
Bello, Oladipupo	Tshwane Univ. of Tech. Pretoria
Hamam, Yskandar	A2SI-ESiEE & LIRIS-UVSQ
Djouani, Karim	Univ. Paris XII Creteil, Lab. LiSSI
14:50-15:10	TuB10.5
<i>Kinetic Analysis and Optimization of Long Chain Branched Propylene Polymerization System</i> , pp. 3992-3997.	
Mogilicharla, Anitha	Indain Inst. of Tech. Hyderabad
Majumdar, Saptarshi	TRDDC
Mitra, Kishalay	IIT Hyderabad
15:10-15:30	TuB10.6
<i>Modeling and Parameter Identification for CO₂ Post-Combustion Capture by Amines Supported on Solid Sorbents</i> , pp. 3998-4003.	
Bisone, Luigi	Consultant
Bittanti, Sergio	Pol. di Milano
Canevese, Silvia	RSE S.p.A.
De Marco, Antonio	Consultant
Garatti, Simone	Pol. di Milano
Notaro, Maurizio	RSE Milan
Prandoni, Valter	RSE (Ricerca Sistema Energetico)
TuB11	1.43 - Tibor Vamos
Control of Constrained Systems (Regular Session)	
Chair: Zhang, Zhengqiang	Qufu Normal Univ.
Co-Chair: Olaru, Sorin	Supelec
13:30-13:50	TuB11.1
<i>On the Linear Constrained Regulation Problem for Continuous-Time Systems</i> , pp. 4004-4009.	
Bitsoris, George	Univ. of Patras
Olaru, Sorin	Supelec

Vassilaki, Marina	Univ. of Patras
13:50-14:10	TuB11.2
<i>Distributed Control Design with Local Model Information and Guaranteed Stability</i> , pp. 4010-4017.	
Deroo, Frederik	Tech. Univ. Muenchen
Meinel, Martin	Tech. Univ. Muenchen
Ulbrich, Michael	Tech. Univ. Muenchen
Hirche, Sandra	Tech. Univ. Muenchen
14:30-14:50	TuB11.4
<i>Exponential Tracking Control of Nonlinear Systems with Actuator Nonlinearity</i> , pp. 4018-4023.	
Zhang, Zhengqiang	Qufu Normal Univ.
Wang, Rui-Hua	Southeast Univ.
Shao, Hanyong	Qufu Normal Univ.
TuB12	1.44 - Manfred Thoma
Ancillary Services (Invited Session)	
Chair: Shigeru, Tamura	Meiji Univ.
Co-Chair: Bendtsen, Jan Dimon	Aalborg Univ.
Organizer: Shigeru, Tamura	Meiji Univ.
13:30-13:50	TuB12.1
<i>BESS Control Strategies for Participating in Grid Frequency Regulation (I)</i> , pp. 4024-4029.	
Xu, Bolun	ABB Switzerland Ltd., Corp. Res.
Oudalov, Alexandre	ABB Switzerland Ltd., Corp. Res.
Poland, Jan	ABB Switzerland Ltd., Corp. Res.
Ulbig, Andreas	ETH Zurich
Andersson, Goran	Swiss Federal Inst. of Tech.
13:50-14:10	TuB12.2
<i>Loss Minimization and Voltage Control in Smart Distribution Grid (I)</i> , pp. 4030-4037.	
Juelsgaard, Morten	Aalborg Univ.
Sloth, Christoffer	Aalborg Univ.
Wisniewski, Rafal	Aalborg Univ.
radhakrishna Pillai, Jayakrishnan	Aalborg Univ.
14:10-14:30	TuB12.3
<i>Impact of Frequency Control Reserve Provision by Storage Systems on Power System Operation (I)</i> , pp. 4038-4043.	
Borsche, Theodor Sebastian	ETH Zürich
Ulbig, Andreas	ETH Zurich
Andersson, Goran	Swiss Federal Inst. of Tech.
14:30-14:50	TuB12.4
<i>Economic Analysis for Possibility of Hybrid Energy Storage Systems Application to Frequency Control in Power System (I)</i> , pp. 4044-4049.	
Shigeru, Tamura	Meiji Univ.
14:50-15:10	TuB12.5
<i>Unit Commitment with Wind Generation and Reversible-Hydro System in Islands (I)</i> , pp. 4050-4055.	
Guerrero, Victoria	Univ. of Castilla - La Mancha
Sánchez de la Nieta, Agustín	Univ. of Castilla - La Mancha
Contreras, Javier	Univ. of Castilla - La Mancha
Correia, Pedro F.	Univ. of Lisbon
15:10-15:30	TuB12.6
<i>Optimal Dynamic Allocation and Space Reservation for Electric Vehicles at Charging Stations (I)</i> , pp. 4056-4061.	
Cassandras, Christos G.	Boston Univ.
Geng, Yanfeng	Boston Univ.
TuB13	1.61 - Boris Tamm
Control of Switched Systems (Regular Session)	
Chair: Bolzern, Paolo	Pol. di Milano
Co-Chair: Heidari, Rahmat	Univ. of Newcastle
13:30-13:50	TuB13.1
<i>Model Reference Switching Quasi-LPV Control of a Four Wheeled Omnidirectional Robot</i> , pp. 4062-4067.	

Rotondo, Damiano	Univ. Pol. de Catalunya
Nejjari, Fatiha	Univ. Pol. de Catalunya
Puig, Vicenc	Univ. Pol. de Catalunya
13:50-14:10	TuB13.2
<i>Switched Linear Systems Control Design: A Transfer Function Approach</i> , pp. 4068-4073.	
Deaecto, Grace S.	Univ. of Campinas, Brazil
Geromel, Jose C.	UNICAMP
14:10-14:30	TuB13.3
<i>Switching Rule Design for Sector-Bounded Nonlinear Switched Systems</i> , pp. 4074-4079.	
May Dezuo, Tiago Jackson	Univ. Federal de Santa Catarina (UFSC)
Trofino, Alexandre	Federal Univ. of Santa Catarina
Scharlau, Cesar C.	Univ. Federal de Santa Catarina (UFSC)
14:30-14:50	TuB13.4
<i>Design of Stabilizing Strategies for Dual Switching Stochastic-Deterministic Linear Systems</i> , pp. 4080-4084.	
Bolzern, Paolo	Pol. di Milano
Colaneri, Patrizio	Pol. di Milano
De Nicolao, Giuseppe	Univ. di Pavia
14:50-15:10	TuB13.5
<i>On Componentwise Ultimate Bound Minimisation for Switched Linear Systems Via Closed-Loop Lie-Algebraic Solvability</i> , pp. 4085-4090.	
Heidari, Rahmat	Univ. of Newcastle
Seron, Maria	The Univ. of Newcastle
Braslavsky, Julio H.	Australian Commonwealth Scientific and Industrial Res.
Haimovich, Hernan	CONICET; Univ. Nacional de Rosario
15:10-15:30	TuB13.6
<i>Design of a Robust Tracking PD Controller for a Class of Switched Linear Systems with External Disturbances</i> , pp. 4091-4096.	
Belkhiat, Djamel Eddine Chouaib	Ferhat Abbas Univ. Setif 1
Jabri, Dalel	MACS ENIG, Univ. de Gabès, Tunisie
Fourati, Hassen	GIPSA-Lab. Univ. Joseph Fourier
TuB14	1.62 - Brian Anderson
Nonlinear System Identification II (Regular Session)	
Chair: Calafiore, Giuseppe	Pol. di Torino
Co-Chair: Findeisen, Rolf	Otto-von-Guericke-Univ. Magdeburg
13:30-13:50	TuB14.1
<i>Identification of Gaussian Process State-Space Models with Particle Stochastic Approximation EM</i> , pp. 4097-4102.	
Frigola, Roger	Univ. of Cambridge
Lindsten, Fredrik	Linköping Univ.
Schön, Thomas Bo	Uppsala Univ.
Rasmussen, Carl Edward	Univ. of Cambridge
13:50-14:10	TuB14.2
<i>Optimal Experimental Design for Probabilistic Model Discrimination Using Polynomial Chaos</i> , pp. 4103-4109.	
Streif, Stefan	Otto-von-Guericke-Univ. Magdeburg
Petzke, Felix	Otto-von-Guericke Univ. Magdeburg
Mesbah, Ali	Massachusetts Inst. of Tech.
Findeisen, Rolf	Otto-von-Guericke-Univ. Magdeburg
Braatz, Richard D.	Massachusetts Inst. of Tech.
14:10-14:30	TuB14.3
<i>Probabilistic and Set-Based Model Invalidation and Estimation Using LMIs</i> , pp. 4110-4115.	
Streif, Stefan	Otto-von-Guericke-Univ. Magdeburg
Henrion, Didier	LAAS-CNRS, Univ. Toulouse
Findeisen, Rolf	Otto-von-Guericke-Univ. Magdeburg
14:30-14:50	TuB14.4
<i>A Nonlinear Blind Identification Approach to Modeling of Diabetic Patients</i> , pp. 4116-4121.	
Novara, Carlo	Pol. di Torino
Mohammad Pour, Nima	Pol. di Torino
Vincent, Tyrone	Colorado School of Mines

Grassi, Giorgio	Città della Salute e della Scienza, Torino
14:50-15:10	TuB14.5
<i>Control Oriented System Identification for Performance Management in Virtualized Software System</i> , pp. 4122-4127.	
Aryani, Dharma	RMIT Univ.
Wang, Liuping	RMIT Univ.
Patikirikorala, Tharindu	Swinburne Univ. of Tech.
15:10-15:30	TuB14.6
<i>Input Selection Using Local Model Network Trees</i> , pp. 4128-4133.	
Belz, Julian	Univ. of Siegen
Nelles, Oliver	Univ. of Siegen
TuB15	Auditorium 2 - Eduard Gerecke
Mending the Gap - Connecting Academic Research and Industry Practice in Control Systems (Panel Session)	
Chair: Samad, Tariq	Honeywell Lab.
Co-Chair: Goodall, Roger	Loughborough Univ.
13:30-15:30	TuB15.1
<i>Mend the Gap - How Can We Improve the Connection between Academic Research and Industry Practice in Control Systems?*</i> .	
Samad, Tariq	Honeywell Lab.
Goodall, Roger	Loughborough Univ.
TuB16	1.64 - Yong-Zai Lu
Adaptive Control Tools (Regular Session)	
Chair: Annaswamy, Anuradha	Massachusetts Inst. of Tech.
Co-Chair: Miyasato, Yoshihiko	The Inst. of Statistical Mathematics
13:30-13:50	TuB16.1
<i>Nearly Optimal Control Scheme for Discrete-Time Nonlinear Systems with Finite Approximation Errors Using Generalized Value Iteration Algorithm</i> , pp. 4134-4139.	
Wei, Qinglai	Inst. of Automation, Chinese Academy of Sciences
Liu, Derong	Chinese Acad. of Sciences
13:50-14:10	TuB16.2
<i>Approximating the Time Optimal Solution for Accessible Unknown Systems by Learning Using a Virtual Output</i> , pp. 4140-4145.	
Trogmann, Hannes	Johannes Kepler Univ. Linz
del Re, Luigi	Johannes Kepler Univ.
14:10-14:30	TuB16.3
<i>Nonlinear Stabilization by Dynamic Parameter Adaptation: Algebraic-Ricatti-Equation-Based Approach</i> , pp. 4146-4151.	
Ibrir, Salim	King Fahd Univ. of Petroleum and Minerals
Bettayeb, Maamar	Univ. of Sharjah
Su, Chun-Yi	Concordia Univ.
14:30-14:50	TuB16.4
<i>Adaptive H-Infinity Consensus Control of Multi-Agent Systems by Utilizing Neural Network Approximators</i> , pp. 4152-4157.	
Miyasato, Yoshihiko	The Inst. of Statistical Mathematics
14:50-15:10	TuB16.5
<i>Adaptive H-Infinity Consensus Control for Distributed Parameter Systems of Parabolic Type</i> , pp. 4158-4163.	
Miyasato, Yoshihiko	The Inst. of Statistical Mathematics
15:10-15:30	TuB16.6
<i>Squaring-Up Method in the Presence of Transmission Zeros</i> , pp. 4164-4169.	
Qu, Zheng	Massachusetts Inst. of Tech.
Wiese, Daniel	Massachusetts Inst. of Tech.
Annaswamy, Anuradha	Massachusetts Inst. of Tech.
Lavretsky, Eugene	The Boeing Company
TuB17	Marco Polo
Automatic Control in Road Transportation (Regular Session)	
Chair: Johansson, Karl H.	Royal Inst. of Tech.
Co-Chair: Stathopoulos, Antony	National Tech. Univ. of Athens
13:30-13:50	TuB17.1

<i>Investigating the Interaction between Traffic Flow and Vehicle Platooning Using a Congestion Game</i> , pp. 4170-4177.	
Farokhi, Farhad	KTH, Royal Inst. of Tech.
Johansson, Karl H.	Royal Inst. of Tech.
13:50-14:10	TuB17.2
<i>Optimal Control for Multi-Lane Motorways in Presence of Vehicle Automation and Communication Systems</i> , pp. 4178-4183.	
Roncoli, Claudio	Tech. Univ. of Crete
Papageorgiou, Markos	Tech. Univ. of Crete
Papamichail, Ioannis	Tech. Univ. of Crete
14:10-14:30	TuB17.3
<i>Design of Adaptive Cruise Control for Road Vehicles Using Topographic and Traffic Information</i> , pp. 4184-4189.	
Gaspar, Peter	Hungarian Acad. of Sciences
Németh, Balázs	MTA SZTAKI
14:30-14:50	TuB17.4
<i>Cooperative Adaptive Cruise Control of Vehicles with Sensor Failures</i> , pp. 4190-4195.	
Yue, Wei	Dalian Univ. of Tech.
Guo, Ge	Dalian Univ. of Tech.
14:50-15:10	TuB17.5
<i>Personalization of Itineraries Search Using Ontology and Rules to Avoid Congestion in Urban Areas</i> , pp. 4196-4200.	
Zidi, Amir	LAMIH, Univ. of Valenciennes and Hainaut-Cambrésis
Bouhana, Amna	MODEOR Univ. of sfax, Tunisia
Abed, Mourad	LAMIH, Univ. of Valenciennes and Hainaut-Cambrésis
Fekih, Afef	Univ. of Louisiana at Lafayette
15:10-15:30	TuB17.6
<i>A Novel Probability Density Estimating Method for Relative Altitudes of Civil Aircraft in Cruising Phase</i> , pp. 4201-4208.	
Chen, Jing-Jie	Civil Aviation Univ. of China
Yue, Yong-Wang	Civil Aviation Univ. of China

TuB18	2.43 - Pedro Albertos
Navigation, Control and Sensing in the Marine Environment II (Invited Session)	
Chair: Zereik, Enrica	CNR - ISSIA
Co-Chair: Bibuli, Marco	CNR-ISSIA
Organizer: Zereik, Enrica	CNR - ISSIA
Organizer: Bibuli, Marco	CNR-ISSIA
Organizer: Pascoal, Antonio M.	ISR-Inst. Superior Tecnico
Organizer: Ridao, Pere	Univ. of Girona VAT:ESQ6750002E
13:30-14:10	TuB18.1
<i>ILOS Guidance - Experiments and Tuning (I)</i> , pp. 4209-4214.	
Bibuli, Marco	CNR-ISSIA
Caharija, Walter	NTNU
Pettersen, Kristin Y.	Norwegian Univ. of Science and Tech.
Bruzzzone, Gabriele	CNR-ISSIA
Caccia, Massimo	CNR-ISSIA
Zereik, Enrica	CNR - ISSIA
14:10-14:30	TuB18.2
<i>Observability Analyses and Trajectory Planning for Tracking of an Underwater Robot Using Empirical Gramians (I)</i> , pp. 4215-4221.	
Glotzbach, Thomas	Tech. Univ. Ilmenau
Crasta, Naveena	TU Ilmenau
Ament, Christoph	Tech. Univ. Ilmenau
14:30-14:50	TuB18.3
<i>Observability Analysis of 3D AUV Trimming Trajectories in the Presence of Ocean Currents Using Single Beacon Navigation (I)</i> , pp. 4222-4227.	
Crasta, Naveena	TU Ilmenau
Bayat, Mohammadreza	Tech. Univ. of Lisbon, Inst. Superior Técnico(IST)
Aguiar, A. Pedro	Faculty of Engineering, Univ. of Porto (FEUP)
Pascoal, Antonio M.	ISR-Inst. Superior Tecnico
14:50-15:10	TuB18.4
<i>Dynamic Positioning of a Diver Tracking Surface Platform (I)</i> , pp. 4228-4233.	

Miskovic, Nikola	Univ. of Zagreb
Nad, Dula	Univ. of Zagreb, Faculty of Electrical Engineering and Comp
Vasilijevic, Antonio	Univ. of Zagreb, Faculty of Electrical Engineering and Comp
Vukic, Zoran	Univ. of Zagreb
15:10-15:30	TuB18.5
<i>Auditory Interface for Teleoperation - Path Following Experimental Results (I)</i> , pp. 4234-4239.	
Vasilijevic, Antonio	Univ. of Zagreb, Faculty of Electrical Engineering and Compu
Nad, Dula	Univ. of Zagreb, Faculty of Electrical Engineering and Comp
Miskovic, Nikola	Univ. of Zagreb
Vukic, Zoran	Univ. of Zagreb
15:10-15:30	TuB18.6
<i>Combined Acoustic and Video Characterization of Coastal Environment by Means of Unmanned Surface Vehicles (I)</i> , pp. 4240-4245.	
Fumagalli, Elisa	CNR - ISSIA
Bibuli, Marco	CNR-ISSIA
Caccia, Massimo	CNR-ISSIA
Zereik, Enrica	CNR - ISSIA
Del Bianco, Fabrizio	CNR - ISMAR
Gasperini, Luca	CNR - ISMAR
Stanghellini, Giuseppe	CNR - ISMAR
Bruzzone, Gabriele	CNR-ISSIA
TuB19	2.46 - Vladimir Kucera
Collaborative Networked Organizations Principles; Decentralized and Distributed Control; Holonic Manufacturing Systems (Panel Session)	
Chair: Dolgui, Alexandre	Ec. Nationale Supérieure des Mines de Saint-Etienne
13:30-15:30	TuB19.1
<i>Cooperative Control in Production and Logistics</i> , pp. 4246-4265.	
Monostori, Laszlo	Computer and Automation Res. Inst. Hungarian
Valckenaers, Paul	K.U.Leuven
Dolgui, Alexandre	Ec. Nationale Supérieure des Mines de Saint-Etienne
Panetto, Hervé	CRAN, Univ. of Lorraine, CNRS
Brdys, Mietek	Univ. of Birmingham
Csáji, Balázs Csanád	MTA SZTAKI
TuB20	2.63 - Wook Hyun Kwon
Sustainable Networked Enterprises & Eco-Industrial Networking (Invited Session)	
Chair: Romero, David	Tecnológico de Monterrey
Co-Chair: Dassisti, Michele	Pol. di Bari
Organizer: Romero, David	Tecnológico de Monterrey
Organizer: Haidegger, Geza	MTA SZTAKI, Inst. for Computer Science and Control (Hungary)
Organizer: Chen, David	Univ. Bordeaux I
Organizer: Dassisti, Michele	Pol. di Bari
13:30-13:50	TuB20.1
<i>Collaboration Platform for Sustainable Wind Energy Distribution Network (I)</i> , pp. 4266-4271.	
Nof, Shimon Y.	Purdue Univ.
Ko, Hoo Sang	Southern Illinois Univ. Edwardsville
Jahanpour, Ehsan	Southern Illinois Univ. Edwardsville
13:50-14:10	TuB20.2
<i>Towards a Sustainable Development Maturity Model for Green Virtual Enterprise Breeding Environments (I)</i> , pp. 4272-4279.	
Romero, David	Tecnológico de Monterrey
Molina, Arturo	Tecnologico de Monterrey
14:10-14:30	TuB20.3
<i>Learning for Sustainable Organisational Interoperability (I)</i> , pp. 4280-4285.	
Weichhart, Georg	Johannes Kepler Univ. Linz
14:30-14:50	TuB20.4
<i>An Enterprise Decision Model for a Large Scale Assembly Operation (I)</i> , pp. 4286-4291.	
Whitman, Lawrence	Wichita State Univ.

Thome, Jarrod	Wichita State Univ.
14:50-15:10	TuB20.5
<i>A Pluralistic Approach towards Sustainable Eco-Industrial Networking (I)</i> , pp. 4292-4297.	
Noran, Ovidiu	Griffith Univ.
Romero, David	Tecnológico de Monterrey
15:10-15:30	TuB20.6
<i>A Methodology for Developing Service in Virtual Manufacturing Environment (I)</i> , pp. 4298-4303.	
Chen, David	Univ. Bordeaux I
TuB21	2.64 - Alberto Isidori
FDI and FTC of Wind Turbines in Wind Farms (Invited Session)	
Chair: Odgaard, Peter Fogh	Aalborg Univ.
Co-Chair: Simani, Silvio	Univ. of Ferrara
Organizer: Odgaard, Peter Fogh	Aalborg Univ.
Organizer: Simani, Silvio	Univ. of Ferrara
13:30-13:50	TuB21.1
<i>Robust Sensor Fault-Tolerant Control Scheme for Wind Turbines with Hydrostatic Transmission (I)</i> , pp. 4304-4309.	
Schulte, Horst	HTW Berlin
Georg, Soeren	HTW Berlin
Benzaouia, Abdellah	Faculty of Science Semlalia
13:50-14:10	TuB21.2
<i>Residual Generator Fuzzy Identification for Wind Farm Fault Diagnosis (I)</i> , pp. 4310-4315.	
Simani, Silvio	Univ. of Ferrara
Farsoni, Saverio	Department of Engineering, Univ. of Ferrara
Castaldi, Paolo	Univ. of Bologna - Aerospace Engineering Faculty
14:10-14:30	TuB21.3
<i>Fault Detection and Load Distribution for the Wind Farm Challenge (I)</i> , pp. 4316-4321.	
Borchersen, Anders	Aalborg Univ.
Larsen, Jesper Abildgaard	Aalborg Univ.
Stoustrup, Jakob	Pacific Northwest National Lab.
14:30-14:50	TuB21.4
<i>Fault Diagnosis of a Wind Farm Using Interval Parity Equations (I)</i> , pp. 4322-4327.	
Blesa, Joaquim	Univ. Pol. de Catalunya (UPC)
Jimenez, Pedro	Univ. Pol. de Catalunya (UPC)
Rotondo, Damiano	Univ. Pol. de Catalunya
Nejjari, Fatiha	Univ. Pol. de Catalunya
Puig, Vicenc	Univ. Pol. de Catalunya
14:50-15:10	TuB21.5
<i>Design of a Pole Placement Active Power Control System for Supporting Grid Frequency Regulation and Fault Tolerance in Wind Farms (I)</i> , pp. 4328-4333.	
Badihi, Hamed	Concordia Univ.
Zhang, Youmin	Concordia Univ.
Hong, Henry	Concordia Univ.
15:10-15:30	TuB21.6
<i>Fault Diagnosis of Advanced Wind Turbine Benchmark Using Interval-Based ARR and Observers (I)</i> , pp. 4334-4339.	
Sanchez, Hector	SAC, UPC
Escobet, Teresa	Univ. Pol. de Catalunya
Puig, Vicenc	Univ. Pol. de Catalunya
TuB22	2.65 - Ian Craig
Manufacturing Plant Control (Regular Session)	
Chair: Fabian, Martin	Chalmers Univ. of Tech.
Co-Chair: Abel, Dirk	RWTH-Aachen Univ.
13:30-13:50	TuB22.1
<i>Qualitative Diagnosis Method Based on Process History in Semiconductor Manufacturing Process</i> , pp. 4340-4345.	
Chakaroun, Mohamad	LSIS
Djeziri, Mohand Arab	Univ. Paule Cézanne

Ouladsine, Mustapha Pinaton, Jacques	Univ. d'aix marseille III STMicroelectronics
13:50-14:10	TuB22.2
<i>Do Not Cancel My Race with Cyber-Physical Systems</i> , pp. 4346-4351.	
Zamfirescu Bala, Constantin Pirvu, Bogdan-Constantin Loskyll, Matthias Zuehlke, Detlef	Univ. Lucian Blaga Sibiu German Res. Center for Artificial Intelligence German Res. Center for Artificial Intelligence (DFKI) German Res. Center for Artificial Intelligence
14:10-14:30	TuB22.3
<i>Fuzzy Model Xml Formulation for Production Dynamics Analysis and Control</i> , pp. 4352-4357.	
Karer, Gorazd Skrjanc, Igor Music, Gasper	Univ. of Ljubljana Univ. of Ljubljana Univ. of Ljubljana
14:30-14:50	TuB22.4
<i>Model Predictive Control of Cavity Pressure in an Injection Moulding Process</i> , pp. 4358-4363.	
Reiter, Matthias Stemmler, Sebastian Reßmann, Axel Hopmann, Christian Abel, Dirk	RWTH Aachen Univ. RWTH Aachen, Inst. of Automatic Control Inst. of Plastics Processing (IKV) at RWTH Aachen Univ. Inst. of Plastics Processing (IKV) at RWTH Aachen Univ. RWTH-Aachen Univ.
14:50-15:10	TuB22.5
<i>Jobs Pre-Allocation on Parallel Unrelated Machines with Sequence Dependent Setup Times: Evidence from a Large Experimentation</i> , pp. 4364-4369.	
Gamberini, Rita Castagnetti, Erica Lolli, Francesco Rimini, Bianca	Univ. of Modena and Reggio Emilia Univ. of Modena and Reggio Emilia Univ. of Modena and Reggio Emilia Univ. di Modena e Reggio Emilia
TuB23	2.66
Bioprocess Modeling and Identification (Regular Session)	
Chair: Bezzo, Fabrizio Co-Chair: Ogunnaike, Babatunde A.	Univ. of Padova Univ. of Delaware
13:30-13:50	TuB23.1
<i>A Dynamic Model of Photoproduction, Photoregulation and Photoinhibition in Microalgae Using Chlorophyll Fluorescence</i> , pp. 4370-4375.	
Nikolaou, Andreas Bernardi, Andrea Bezzo, Fabrizio Morosinotto, Tomas Chachuat, Benoit	IMPERIAL Coll. LONDON Univ. of Padova Univ. of Padova Univ. of Padova Imperial Coll. London
13:50-14:10	TuB23.2
<i>Modelling Thermal Adaptation in Microalgae: An Adaptive Dynamics Point of View</i> , pp. 4376-4381.	
Grimaud, Ghjuvan Micaelu Mairet, Francis Bernard, Olivier	INRIA Inria INRIA
14:10-14:30	TuB23.3
<i>Analysis of Biological Smooth Oscillators Inspired by the Relay Control Tuning Method</i> , pp. 4382-4387.	
Zhang, Yan Chen, Jian Li, Guang	Zhejiang Univ. Zhejiang Univ. Zhejiang Univ.
14:30-14:50	TuB23.4
<i>Dynamic Model for Isopropanol Production by Cupriavidus Necator</i> , pp. 4388-4393.	
Ternon, Céline Grousseau, Estelle Gunther, Jan Gorret, Nathalie Guillouet, Stéphane Anthony, J. Sinskey	INSA Toulouse Univ. de Toulouse Univ. de Toulouse INSA Toulouse Univ. de Toulouse Massachusetts Inst. of Tech.

Aceves-Lara, Cesar-Arturo	INSA
Roux, Gilles	LAAS
14:50-15:10	TuB23.5
<i>Biexcitability and Bursting Mechanisms in Neural and Genetic Circuits</i> , pp. 4394-4399.	
Gifani, Peyman	Univ. of Cambridge
Goncalves, Jorge M.	Univ. of Cambridge
15:10-15:30	TuB23.6
<i>Identification of Markov Chains from Distributional Measurements and Applications to Systems Biology</i> , pp. 4400-4405.	
Swaminathan, Anandh	California Inst. of Tech.
Murray, Richard M.	California Inst. of Tech.
TuB24	Francis Drake
Modeling and Control in Agriculture (Regular Session)	
Chair: Lozoya Gamez, Rafael Camilo	Monterrey Inst. of Tech. and Higher Education
Co-Chair: Tsitsimpelis, Ioannis	Lancaster Univ.
13:30-13:50	TuB24.1
<i>Effect of Different Durations of Root Area Chilling on the Nutritional Quality of Spinach</i> , pp. 4406-4410.	
Shimizu, Hiroshi	Kyoto Univ.
13:50-14:10	TuB24.2
<i>Symmetric Send-On-Delta PI Control of a Greenhouse System</i> , pp. 4411-4416.	
Beschi, Manuel	Univ. OF BRESCIA, ITALY
Pawlowski, Andrzej	Univ. of Almeria
Guzman, Jose Luis	Univ. of Almeria
Berenguel, Manuel	Univ. of Almeria
Visioli, Antonio	Univ. of Brescia
14:10-14:30	TuB24.3
<i>Micro-Climature Control in a Grow-Cell: System Development and Overview</i> , pp. 4417-4422.	
Tsitsimpelis, Ioannis	Lancaster Univ.
Taylor, C. James	Lancaster Univ.
14:30-14:50	TuB24.4
<i>Model Predictive Control of Climatic Chamber with On-Off Actuators</i> , pp. 4423-4428.	
Dostál, Jiří	Czech Tech. Univ. in Prague
Ferkl, Lukas	Czech Tech. Univ. in Prague
14:50-15:10	TuB24.5
<i>Model Predictive Control for Closed-Loop Irrigation</i> , pp. 4429-4434.	
Lozoya Gamez, Rafael Camilo	Monterrey Inst. of Tech. and Higher Education
Mendoza Enriquez, Carlos	Monterrey Inst. of Tech. and Higher Education
Mejia Torres, Leonardo Daniel	Monterrey Inst. of Tech. and Higher Education
Quintana, Jesus Jose	Monterrey Inst. of Tech. and Higher Education
Mendoza Chavez, Gilberto	Monterrey Inst. of Tech. and Higher Education
Bustillos, Aaron Manuel	Monterrey Inst. of Tech. and Higher Education
Arras, Manuel Octavio	Monterrey Inst. of Tech. and Higher Education
Solis Garcia, Luis	Monterrey Inst. of Tech. and Higher Education
15:10-15:30	TuB24.6
<i>Development of a Low-Cost IMU by Using Sensor Fusion for Attitude Angle Estimation</i> , pp. 4435-4440.	
Liu, Yufei	Hokkaido Univ.
Noguchi, Noboru	Hokkaido Univ.
Ishii, Kazunobu	Hokkaido Univ.
TuB25	Poster area
Interactive Session on Mechatronics II (Interactive Session)	
Chair: Vanderhaegen, Frédéric	Univ. of Valenciennes and Hainaut-Cambrésis
Co-Chair: Fleming, Andrew John	Univ. of Newcastle
13:30-15:30	TuB25.1
<i>Model Driven Design Support for Mixed-Criticality Distributed Systems (I)</i> , pp. 4441-4446.	
Armentia, Aintzane	Univ. del Pais Vasco
Agirre, Aitor	IKERLAN-IK4

Estévez, Elisabet	Univ. de Jaén
Perez, Jon	IK4-Ikerlan
Marcos, Marga	ETSI Bilbao, Univ. del País Vasco
13:30-15:30	TuB25.2
<i>Delay and Backlog Bounds for an Aggregation System in Wireless Networks</i> , pp. 4447-4452.	
Breck, Damien	Univ. of Lorraine, CRAN, UMR 7039
Georges, Jean-Philippe	Univ. of Lorraine
Divoux, Thierry	CRAN-CNRS UMR 7039
13:30-15:30	TuB25.3
<i>A Force-Controllable Compact Actuator Module for a Wearable Hand Exoskeleton</i> , pp. 4453-4458.	
Jo, Inseong	UNIST
Bae, Joonbum	UNIST
13:30-15:30	TuB25.4
<i>Planning Flexible Human Resource Capacity in Volatile Markets (I)</i> , pp. 4459-4464.	
Bauer, Wilhelm	Fraunhofer Inst. for Industrial Engineering IAO
Hämmerle, Moritz	Fraunhofer IAO
Gerlach, Stefan	Fraunhofer IAO
Strölin, Tobias	Fraunhofer Inst. for Industrial Engineering IAO
13:30-15:30	TuB25.5
<i>Measuring the Level of Integration in a Sustainable Supply Chain (I)</i> , pp. 4465-4470.	
Cyplik, Piotr	Poznan School of Logistics
Hadas, Lukasz	Poznan School of Logistics
Adamczak, Michal	Poznan School of Logistics
Domanski, Roman	Poznan School of Logistics
Pruska, Zaneta	Poznan School of Logistics
Kupczyk, Martyna	Poznan School of Logistics
13:30-15:30	TuB25.6
<i>Integrating Lean and Green Paradigms in Maintenance Management (I)</i> , pp. 4471-4476.	
Jasiulewicz-Kaczmarek, Malgorzata	Poznan Univ. of Tech.
13:30-15:30	TuB25.7
<i>On Translation of LD, IL and SFC Given According to IEC-61131 for Hardware Synthesis of Reconfigurable Logic Controller</i> , pp. 4477-4483.	
Milik, Adam	Silesian Univ. of Tech.
Hryniewicz, Edward	Silesian Univ. of Tech.
13:30-15:30	TuB25.8
<i>Adaptation of System Configuration under the Robot Operating System</i> , pp. 4484-4492.	
Aitken, Jonathan Maxwell	Univ. of Sheffield
Veres, Sandor M	Univ. of Sheffield
Judge, Mark	Univ. of Sheffield
13:30-15:30	TuB25.9
<i>Control of an Electromechanical Control Actuation System Using a Fractional Order Proportional, Integral, and Derivative-Type Controller</i> , pp. 4493-4498.	
Özkan, Bülent	TUBITAK-SAGE
13:30-15:30	TuB25.10
<i>Automated Model Generation in the eld of Electrical Automotive Driveline Components</i> , pp. 4499-4504.	
Regulin, Daniel	Tech. Univ. München
Schneider, Michael	Tech. Univ. München
Rehberger, Sebastian	Tech. Univ. München
Vogel-Heuser, Birgit	Tech. Univ. of Munich
13:30-15:30	TuB25.11
<i>Dynamic Surface Control of Mobile Wheeled Inverted Pendulum Systems with Nonlinear Disturbance Observer</i> , pp. 4505-4510.	
Ri, SongHyok	Huazhong Univ. of Science and Tech.
Huang, Jian	Huazhong Univ. of Science and Tech.
Wang, Yongji	Huazhong Univ. of Science and Tech.
Tao, Chunjing	National Res. Center for Rehabilitation Tech. Aids
13:30-15:30	TuB25.12
<i>Model Accuracy Impacts for Active Damping of a Viscoelastic Beam</i> , pp. 4511-4516.	
Norlander, Hans	Uppsala Univ.

13:30-15:30	TuB25.13
<i>Finite Element Model Reduction and Model Updating of Structures for Control</i> , pp. 4517-4522.	
Dorosti, Masoud	Eindhoven Univ. of Tech.
Fey, Rob H.B.	PO Box 513, Eindhoven Univ. of Tech.
Heertjes, Marcel	Eindhoven Univ. of Tech.
van de Wal, Marc	Philips Applied Tech.
Nijmeijer, Hendrik	Eindhoven Univ. of Tech.
13:30-15:30	TuB25.14
<i>A New Approach of Dynamic Friction Modelling for Simulation and Observation</i> , pp. 4523-4528.	
Specker, Thomas	Univ. of Ulm
Buchholz, Michael	Univ. Ulm
Dietmayer, Klaus Christian Jürgen	Univ. of Ulm
13:30-15:30	TuB25.15
<i>A Cost Oriented Humanoid Robot Motion Control System</i> , pp. 4529-4534.	
Kopacek, Peter	Vienna Univ. of Tech.
Baltes, Jacky	Univ. of Manitoba
Schörghuber, Markus	Vienna Univ. of Tech. E325A6
13:30-15:30	TuB25.16
<i>Knowledge-Intensive Teaching Assistance System for Industrial Robots Using Case-Based Reasoning and Explanation-Based Learning</i> , pp. 4535-4540.	
Sun, Guanfeng	Kyoto Univ.
Sawaragi, Tetsuo	Kyoto Univ.
Horiguchi, Yukio	Kyoto Univ.
Nakanishi, Hiroaki	Kyoto Univ.
13:30-15:30	TuB25.17
<i>Robust Sliding Mode Trajectory Tracking Controller for a Nonholonomic Spherical Mobile Robot</i> , pp. 4541-4546.	
Azizi, Mahmood Reza	Univ. of Tabriz
Keighobadi, Jafar	Univ. of Tabriz
13:30-15:30	TuB25.18
<i>Availability of Material Streams in Hybrid Push/pull Shop Floor Control System (I)</i> , pp. 4547-4552.	
Hadas, Lukasz	Poznan Univ. of Tech.
Stachowiak, Agnieszka	Poznan Univ. of Tech.
Cyplik, Piotr	Poznan Univ. of Tech.
Jóźwiak, Ireneusz	Wroclaw Univ. of Tech.
Fertsch, Marek	Poznan Univ. of Tech.
TuC01	Ballroom East - Harold Chestnut
Smart Grid Control IV (Regular Session)	
Chair: Zhong, Qing-Chang	The Univ. of Sheffield
Co-Chair: Grillo, Samuele	Pol. di Milano
16:00-16:20	TuC01.1
<i>Economic Energy Distribution and Consumption in a Microgrid Part 2: Macrocell Level Controller (I)</i> , pp. 4553-4559.	
Tahersima, Fatemeh	Aalborg Univ.
Stoustrup, Jakob	Pacific Northwest National Lab.
Andersen, Palle	Aalborg Univ.
Madsen, Per Printz	Aalborg Univ.
16:20-16:40	TuC01.2
<i>Research on Dynamic Process of DC Micro-Grid under Hierarchical Control (I)</i> , pp. 4560-4564.	
Li, Zheng	Tsinghua Univ.
Zhu, Shouzhen	Tsinghua Univ.
Zheng, Jinghong	Tsinghua Univ.
Choi, Dae Hee	Tsinghua Univ.
Wei, Ling	Tsinghua Univ.
16:40-17:00	TuC01.3
<i>Simulation Model of a Smart Grid with an Integrated Large Heat Source (I)</i> , pp. 4565-4570.	
Vasek, Lubomir	Tomas Bata Univ. in Zlin
Dolinay, Viliam	Tomas Bata Univ. in Zlin

Vasek, Vladimir	Tomas Bata Univ. in Zlin
17:00-17:20	TuC01.4
<i>Power Supply Scheduling Optimization from a Viewpoint of Spatio-Temporal Aggregation</i> , pp. 4571-4577.	
Sadamoto, Tomonori	Tokyo Inst. of Tech.
Muto, Ikuma	Tokyo Inst. of Tech.
Ishizaki, Takayuki	Tokyo Inst. of Tech.
Koike, Masakazu	Tokyo Inst. of Tech.
Imura, Jun-ichi	Tokyo Inst. of Tech.
17:20-17:40	TuC01.5
<i>Optimized Operation of a Micro-Grid for Energy Resources (I)</i> , pp. 4578-4583.	
Ornelas-Tellez, Fernando	Univ. Michoacana de San Nicolas de Hidalgo
Zuñiga-Neria, Guillermo C.	Univ. Michoacana de San Nicolas de Hidalgo
Rico, J. Jesus	Univ. Michoacana de San Nicolas de Hidalgo
Sanchez, Edgar N.	CINVESTAV
Calderon, Felix	Div. de Estudios de Postgrado. Facultad de Ingenieria Electr
17:40-18:00	TuC01.6
<i>Demand Response Scheme Based on Lottery-Like Rebates</i> , pp. 4584-4588.	
Schwartz, Galina	Univ. of California, Berkeley
Tembine, Hamidou	Supélec
Amin, Saurabh	Massachusetts Inst. of Tech.
Sastry, Shankar	Univ. of California at Berkeley
TuC02	Ballroom West - Aleksander Letov
Sliding Mode Control II (Regular Session)	
Chair: Leśniewski, Piotr	Tech. Univ. of Łódź
Co-Chair: Chen, Lei	Southeast Univ.
16:00-16:20	TuC02.1
<i>Non-Switching Reaching Law Based Discrete Time Quasi-Sliding Mode Control with Application to Warehouse Management Problem</i> , pp. 4589-4594.	
Leśniewski, Piotr	Tech. Univ. of Łódź
Bartoszewicz, Andrzej	Tech. Univ. of Lodz
16:20-16:40	TuC02.2
<i>Nonlinear Characteristic Model-Based SMC and Its Application to Flexible</i> , pp. 4595-4600.	
Chen, Lei	Southeast Univ.
Yan, Yan	Dalian Maritime Univ.
Sun, Changyin	Southeast Univ.
16:40-17:00	TuC02.3
<i>Sliding Mode versus Parallel Compensator Based Control under Measurement Noise</i> , pp. 4601-4606.	
Gessing, Ryszard	Pol. Slaska
17:00-17:20	TuC02.4
<i>Finite-Time Control of an Actuated Orthosis Using Fast Terminal Sliding Mode</i> , pp. 4607-4612.	
Madani, Tarek	Univ. of Paris-Est Creteil (UPEC)
Daachi, Boubaker	Univ. of Paris East Créteil
Djouani, Karim	Univ. Paris XII Creteil, Lab. LiSSI
17:20-17:40	TuC02.5
<i>Decentralised Observation Using Higher Order Sliding Mode Techniques</i> , pp. 4613-4618.	
Yan, Xing-Gang	Univ. of Kent
Fridman, Leonid M.	National Autonomous Univ. of Mexico
Spurgeon, Sarah K.	Univ. of Kent
Zhang, Qingling	Northeastern Univ.
17:40-18:00	TuC02.6
<i>Global Output Feedback Sliding Mode Control of Nonlinear Systems with Multiple Time Delays</i> , pp. 4619-4624.	
Oliveira, Tiago Roux	State Univ. of Rio de Janeiro - UERJ
Cunha, Jose Paulo V. S.	State Univ. of Rio de Janeiro

TuC03	1.61 - Boris Tamm
Errors in Variables Identification (Regular Session)	

Chair: Soverini, Umberto	Univ. of Bologna
Co-Chair: Van den Hof, Paul M.J.	Eindhoven Univ. of Tech.
16:00-16:20	TuC03.1
<i>Frequency Domain Maximum Likelihood Identification of Noisy Input-Output Models</i> , pp. 4625-4630.	
Soverini, Umberto	Univ. of Bologna
Soderstrom, Torsten	Uppsala Univ.
16:20-16:40	TuC03.2
<i>Frequency Domain EIV Identification: A Frisch Scheme Approach</i> , pp. 4631-4636.	
Soverini, Umberto	Univ. of Bologna
Soderstrom, Torsten	Uppsala Univ.
16:40-17:00	TuC03.3
<i>Recursive Generalized Total Least Squares with Noise Covariance Estimation</i> , pp. 4637-4643.	
Rhode, Stephan	Karlsruhe Inst. of Tech.
Bleimund, Felix	Karlsruhe Inst. of Tech.
Gauterin, Frank	Karlsruhe Inst. of Tech.
17:00-17:20	TuC03.4
<i>A Unified Framework for EIV Identification Methods in the Presence of Mutually Correlated Noises</i> , pp. 4644-4649.	
Soderstrom, Torsten	Uppsala Univ.
Diversi, Roberto	Univ. of Bologna
Soverini, Umberto	Univ. of Bologna
17:20-17:40	TuC03.5
<i>Guaranteed Set-Based Controller Parameter Estimation for Nonlinear Systems -- Magnetic Levitation Platform As a Case Study</i> , pp. 4650-4655.	
Savchenko, Anton	Otto-von-Guericke-Univ. Magdeburg
Andonov, Petar	Otto-von-Guericke Univ.
Streif, Stefan	Otto-von-Guericke-Univ. Magdeburg
Findeisen, Rolf	Otto-von-Guericke-Univ. Magdeburg
17:40-18:00	TuC03.6
<i>Errors-In-Variables Identification in Bilaterally Coupled Systems with Application to Oil Well Testing</i> , pp. 4656-4661.	
Mansoori, Mehdi	Sharif Univ. of Tech.
Dankers, Arne	Delft Univ. of Tech.
Van den Hof, Paul M.J.	Eindhoven Univ. of Tech.

TuC04	Roof Terrace - John Coales
Synchronization in Networked Systems (Regular Session)	
Chair: Allgower, Frank	Univ. of Stuttgart
Co-Chair: Khodaverdian, Saman	Tech. Univ. Darmstadt
16:00-16:20	TuC04.1
<i>Cooperative Estimation for Synchronization of Heterogeneous Multi-Agent Systems Using Relative Information</i> , pp. 4662-4667.	
Wu, Jingbo	Univ. of Stuttgart
Ugrinovskii, Valery	Univ. of New South Wales
Allgower, Frank	Univ. of Stuttgart
16:20-16:40	TuC04.2
<i>Self-Organising Disturbance Attenuation in Unidirectionally Coupled Synchronised Systems</i> , pp. 4668-4674.	
Lunze, Jan	Ruhr-Univ. Bochum
16:40-17:00	TuC04.3
<i>Partial Network Synchronization Using Diffusive Dynamic Couplings</i> , pp. 4675-4680.	
Murguia, Carlos	Tech. Univ. Eindhoven
Fey, Rob H.B.	PO Box 513, Eindhoven Univ. of Tech.
Nijmeijer, Hendrik	Eindhoven Univ. of Tech.
17:00-17:20	TuC04.4
<i>Bipartite Consensus of Linear Multi-Agent Systems Over Signed Digraphs: An Output Feedback Control Approach</i> , pp. 4681-4686.	
Zhang, Hongwei	Southwest Jiaotong Univ.
Chen, Jie	City Univ. of Hong Kong
17:20-17:40	TuC04.5
<i>Synchronizing Linear Heterogeneous Networks by Output Homogenization</i> , pp. 4687-4692.	
Khodaverdian, Saman	Tech. Univ. Darmstadt

Adamy, Jürgen	Tech. Univ. Darmstadt
17:40-18:00	TuC04.6
<i>Quantized Observer-Based Coordination of Linear Multi-Agent Systems</i> , pp. 4693-4698.	
Meng, Yang	Chinese Acad. of Sciences
Li, Tao	Shanghai Univ.
TuC05	Da Gama/Diaz
Linear Systems I (Regular Session)	
Chair: Kucera, Vladimir	Czech Tech. Univ. in Prague
Co-Chair: Lafay, JeanFrancois	Ec. Centrale Nantes
16:00-16:20	TuC05.1
<i>Robust Decentralized PI Control Design</i> , pp. 4699-4703.	
Husek, Petr	Czech Tech. Univ. in Prague
Kucera, Vladimir	Czech Tech. Univ. in Prague
16:20-16:40	TuC05.2
<i>Architectural Issues in the Control of Tall Multiple-Input Multiple-Output Plants</i> , pp. 4704-4708.	
Albertos, Pedro	Univ. Pol. de Valencia
Salgado, Mario E.	Univ. Tecnica Federico Santa Maria
16:40-17:00	TuC05.3
<i>Model Matching Via Stabilizing Static State Feedback</i> , pp. 4709-4714.	
Castañeda Toledo, Eduardo	CINVESTAV-IPN, U. Guadalajara
Kucera, Vladimir	Czech Tech. Univ. in Prague
Ruiz-Leon, Javier	CINVESTAV Guadalajara
17:00-17:20	TuC05.4
<i>Solution of the Static Reduced Decoupling Problem for Linear Systems</i> , pp. 4715-4720.	
Lafay, JeanFrancois	Ec. Centrale Nantes
17:20-17:40	TuC05.5
<i>RNGA Loop Pairing Criterion for Multivariable Systems Subject to a Class of Reference Inputs</i> , pp. 4721-4726.	
Chen, Qiang	Jiangnan Univ.
Luan, Xiaoli	Jiangnan Univ.
Liu, Fei	Jiangnan Univ.
17:40-18:00	TuC05.6
<i>Reduced Sensitivity Solutions to Global Linearization of the Pole Assignment Map</i> , pp. 4727-4732.	
Leventides, John G	Un. of Athens
Karcanias, Nicos	City Univ. London
Meintanis, Ioannis	City Univ. London
Milonidis, Efstathios	City Univ.
TuC06	2.41 Pawel Nowacki
Vibration Control Systems I (Regular Session)	
Chair: Feliu, Vicente	Univ. of Castilla-La Mancha
Co-Chair: van der Maas, Rick	Eindhoven Univ. of Tech.
16:00-16:20	TuC06.1
<i>A Nonlinear Input Shaping Technique for Motion Control of a Sensing Antenna</i> , pp. 4733-4738.	
Feliu Talegon, Daniel	Univ. of Castilla-La Mancha
Feliu, Vicente	Univ. of Castilla-La Mancha
Castillo-Berrio, Claudia F.	Univ. Castilla-La Mancha
16:20-16:40	TuC06.2
<i>Adaptive Predictive Control of Transient Vibrations of Cantilevers with Changing Weight</i> , pp. 4739-4747.	
Takács, Gergely	Slovak Univ. of Tech.
Poloni, Tomas	Slovak Univ. of Tech.
Rohal-Ilkiv, Boris	Slovak Univ. of Tech.
16:40-17:00	TuC06.3
<i>Retrofitting a Passive Vibration Isolation System with Zero-Compliance Modules</i> , pp. 4748-4753.	
Mizuno, Takeshi	Saitama Univ.
Ishino, Yuji	Saitama Univ.

Takasaki, Masaya	Saitama Univ.
17:00-17:20	TuC06.4
<i>Robust Active Vibration Isolation: A Multivariable Data-Driven Approach</i> , pp. 4754-4759.	
van der Maas, Rick	Eindhoven Univ. of Tech.
Oomen, Tom	Eindhoven Univ. of Tech.
17:20-17:40	TuC06.5
<i>Stable PID Vibration Control of Building Structures</i> , pp. 4760-4765.	
Yu, Wen	CINVESTAV-IPN
Suresh, Thenozhi	CINVESTAV-IPN
Li, Xiaou	CINVESTAV-IPN
17:40-18:00	TuC06.6
<i>Regeneratively-Constrained LQG Control of Passive Networks</i> , pp. 4766-4771.	
Warner, Eric	Univ. of Michigan
Cassidy, Ian	Lord Corp.
Scruggs, Jeff	Univ. of Michigan
TuC07	2.44 - Victor Broida
Biomechanical Modelling (Invited Session)	
Chair: Siqueira, Adriano A G	Univ. of Sao Paulo
Co-Chair: Rodgers, Geoffrey W.	Univ. of Canterbury
Organizer: Rodgers, Geoffrey W.	Univ. of Canterbury
Organizer: Chappell, Michael	Univ. of Warwick
16:00-16:20	TuC07.1
<i>Classification Efficiency in Wheelchair Rugby: Throwing Analysis (I)</i> , pp. 4772-4777.	
Borren, Guy Leonard	Univ. of Canterbury
Gooch, Shayne	Univ. of Canterbury
Ingram, Ben	Univ. of Canterbury
Jenkins, Andrew	Univ. of Canterbury
Dunn, Jennifer	Univ. of Otago
16:20-16:40	TuC07.2
<i>Classification Efficiency in Wheelchair Rugby: Wheelchair Propulsion Power Analysis (I)</i> , pp. 4778-4783.	
Ingram, Ben	Univ. of Canterbury
Gooch, Shayne	Univ. of Canterbury
Borren, Guy Leonard	Univ. of Canterbury
Jenkins, Andrew	Univ. of Canterbury
Tromop van Dalen, Caitlin	Univ. of Canterbury
Dunn, Jennifer	Univ. of Otago
16:40-17:00	TuC07.3
<i>Relation of Respiratory System Elastance and Expiratory Time Constant: Are They from the Same Lung? (I)</i> , pp. 4784-4789.	
Damanhuri, Nor Salwa	Univ. of Canterbury
Docherty, Paul D	Univ. of Canterbury
Chiew, Yeong Shiong	Univ. of Canterbury
Van Drunen, Erwin J.	Univ. of Canterbury
Othman, Nor Azlan	Univ. of Canterbury
Desaive, Thomas	Univ. of Liege
Chase, J. Geoffrey	Univ. of Canterbury
17:00-17:20	TuC07.4
<i>Optimal Normalized Weighting Factor in Iterative Feedback Tuning of Step Input Responses (I)</i> , pp. 4790-4795.	
Lu, Charles Zhe	Univ. of Auckland
Xie, Sheng	The Univ. of Auckland
Deng, Chao	Huazhong Univ. of Science and Tech.
17:20-17:40	TuC07.5
<i>Acoustic Emission Monitoring of Total Hip Arthroplasty Implants (I)</i> , pp. 4796-4800.	
Rodgers, Geoffrey W.	Univ. of Canterbury
Lau Young, Jade	Univ. of Canterbury
Fields, Anna	Univ. of Canterbury
Shearer, Riki	Fisher & Paykel Healthcare

Woodfield, Tim B.F.	Univ. of Otago Christchurch
Hooper, Gary J.	Univ. of Otago Christchurch
Chase, J. Geoffrey	Univ. of Canterbury
17:40-18:00	TuC07.6
<i>Impedance Control of a Rotary Series Elastic Actuator for Knee Rehabilitation (I)</i> , pp. 4801-4806.	
dos Santos, Willian M.	Univ. of São Paulo
Siqueira, Adriano A G	Univ. of Sao Paulo
TuC08	2.61 - John Lozier
Energy Management for XEV: Optimization and Control Strategies (Invited Session)	
Chair: Chamaillard, Yann	Univ. of Orléans
Co-Chair: Zou, Yuan	Beijing Inst. of Tech.
Organizer: Sciarretta, Antonio	IFP
Organizer: Onori, Simona	Clemson Univ.
Organizer: Zou, Yuan	Beijing Inst. of Tech.
Organizer: Chamaillard, Yann	PRISME
16:00-16:20	TuC08.1
<i>Numerical Optimal Control As a Method to Evaluate the Benefit of Thermal Management in Hybrid Electric Vehicles (I)</i> , pp. 4807-4812.	
Maamria, Djamaledine	IFPen
Chaplais, Francois	Ec. des Mines de Paris
Petit, Nicolas	MINES ParisTech
Sciarretta, Antonio	IFP
16:20-16:40	TuC08.2
<i>Stochastic Dynamic Programming Based Energy Management of HEV's: An Experimental Validation (I)</i> , pp. 4813-4818.	
Leroy, Thomas	IFP Energies nouvelles
Vidal-Naquet, Fabien	IFP Energies nouvelles
Tona, Paolino	IFP Energies nouvelles
16:40-17:00	TuC08.3
<i>Total Cost Minimization for Next Generation Hybrid Electric Vehicles (I)</i> , pp. 4819-4824.	
Guanetti, Jacopo	Pol. di Milano
Formentin, Simone	Univ. degli studi di Bergamo
Savaresi, Sergio	Pol. di Milano
17:00-17:20	TuC08.4
<i>Optimal and Real-Time Control Potential of a Diesel-Electric Powertrain (I)</i> , pp. 4825-4830.	
Sivertsson, Martin	Linköping Univ.
Eriksson, Lars	Linköping Univ.
17:20-17:40	TuC08.5
<i>Computationally Efficient Energy Management of a Planetary Gear Hybrid Electric Vehicle (I)</i> , pp. 4831-4836.	
Murgovski, Nikolce	Chalmers Univ. of Tech.
Hu, Xiaosong	Chalmers Univ. of Tech.
Egardt, Bo S.	Chalmers Univ. of Tech.
TuC09	1.41 - Uolevi Luoto
Mobile Robots I (Regular Session)	
Chair: Hsu, Liu	COPPE - Federal Univ. of Rio de Janeiro
Co-Chair: Pierri, Francesco	Univ. degli Studi della Basilicata
16:00-16:20	TuC09.1
<i>FlipBot: A Lizard Inspired Stunt Robot</i> , pp. 4837-4842.	
Fisher, Callen	Univ. of Cape Town
Patel, Amir	Univ. of Cape Town
16:20-16:40	TuC09.2
<i>Trajectory Control of a Bipedal Walking Robot with Inertial Disc</i> , pp. 4843-4848.	
Novaes, Carlos	Univ. of Sao Paulo
Pereira da Silva, Paulo Sergio	Univ. of Sao Paulo
Rouchon, Pierre	Mines-ParisTech
16:40-17:00	TuC09.3
<i>Robust Time-Varying Model Predictive Control with Application to Mobile Robot Unmanned Path Tracking</i> , pp. 4849-4854.	

Bahadorian, Mitra	Univ. of New South Wales
Eaton, Ray	The Univ. of New South Wales
Hesketh, Timothy	Univ. of New South Wales
Savkovic, Borislav	Univ. of New South Wales
17:00-17:20	TuC09.4
<i>Predictive Control of Actively Articulated Mobile Robots Crossing Irregular Terrains</i> , pp. 4855-4860.	
Freitas, Gustavo M	Federal Univ. of Rio de Janeiro
Lizarralde, Fernando	Federal Univ. of Rio de Janeiro
Hsu, Liu	COPPE - Federal Univ. of Rio de Janeiro
17:20-17:40	TuC09.5
<i>Implementing 3-D High Maneuvers with a Novel Biomimetic Robotic Fish</i> , pp. 4861-4866.	
Wu, Zhengxing	Inst. of Automation, Chinese Acad. of Sciences
Yu, Junzhi	Inst. of Automation, Chinese Acad. of Sciences
Su, Zhongshuai	CASIA
Tan, Min	Inst. of Automation, Chinese Acad. of Sciences
17:40-18:00	TuC09.6
<i>Finite-Time Supervisory Stabilization for a Class of Nonholonomic Mobile Robots under Input Disturbances</i> , pp. 4867-4872.	
Guerra, Matteo	Ec. Centrale de Lille
Efimov, Denis	INRIA - LNE
Zheng, Gang	INRIA Lille-Nord Europe
Perruquetti, Wilfrid	Ec. Centrale de Lille
TuC10	1.42 - Yoshikazu Sawaragi
Process Control Applications I (Regular Session)	
Chair: Ferrarini, Luca	Pol. di Milano
Co-Chair: Fikar, Miroslav	Slovak Univ. of Tech. in Bratislava
16:00-16:20	TuC10.1
<i>Optimizing Control and State Estimation in a Tubular Polymerization Reactor</i> , pp. 4873-4878.	
Hashemi, Reza	TU Dortmund
Engell, Sebastian	TU Dortmund
16:20-16:40	TuC10.2
<i>Plantwide Control Design of the Monoisopropylamine Process</i> , pp. 4879-4884.	
Kaistha, Nitin	Indian Inst. of Tech. Kanpur
Ojasvi, Ojasvi	Indian Inst. of Tech. Kanpur
16:40-17:00	TuC10.3
<i>Improving Energy Efficiency in Large Buildings with Thermal Stratification</i> , pp. 4885-4890.	
Ferrarini, Luca	Pol. di Milano
Mantovani, Giancarlo	Pol. di Milano
Pagliarini, Marta	Pol. di Milano
17:00-17:20	TuC10.4
<i>Nonlinear State Estimation in the Czochralski Process</i> , pp. 4891-4896.	
Rahmanpour, Parsa	Norwegian Univ. of Science and Tech.
Hovd, Morten	Norwegian Univ. of Tech. and Science
Bones, John Atle	SINTEF Materials and Chemistry
17:20-17:40	TuC10.5
<i>Time-Optimal Diafiltration in the Presence of Membrane Fouling</i> , pp. 4897-4902.	
Jelemensky, Martin	Slovak Univ. of Tech. in Bratislava
Paulen, Radoslav	Tech. Univ. Dortmund.
Fikar, Miroslav	Slovak Univ. of Tech. in Bratislava
Kovács, Zoltán	Univ. of Applied Sciences Giessen-Friedberg
17:40-18:00	TuC10.6
<i>Boundary Control of an Industrial Tubular Photobioreactor Using Sliding Mode Control</i> , pp. 4903-4908.	
Andrade, Gustavo	Federal Univ. of Santa Catarina
Pagano, Daniel Juan	Federal Univ. of Santa Catarina
Fernández Sedano, Ignacio	Univ. of Almeria
Guzman, Jose Luis	Univ. of Almeria
Berenguel, Manuel	Univ. of Almeria

TuC11		1.43 - Tibor Vamos
Data-Based Control (Regular Session)		
Chair: Novara, Carlo		Pol. di Torino
Co-Chair: Oomen, Tom		Eindhoven Univ. of Tech.
16:00-16:20		TuC11.1
<i>A Novel PID Controller Design Methodology for Specified Performance Using Ultimate Plant Parameters</i> , pp. 4909-4914.		
Bucz, Štefan		Slovak Univ. of Tech. in Bratislava
Vesely, Vojtech		Slovak Univ. of Tech. in Bratislava
Kozáková, Alena		Slovak Univ. of Tech. in Bratislava
Kozak, Stefan		Faculty of Electrical Engineering and Information Tech.
16:20-16:40		TuC11.2
<i>Constrained Iterative Feedback Tuning for Robust High-Precision Motion Control</i> , pp. 4915-4920.		
Van der Velden, Bart		Eindhoven Univ. of Tech.
Oomen, Tom		Eindhoven Univ. of Tech.
Heertjes, Marcel		Eindhoven Univ. of Tech.
16:40-17:00		TuC11.3
<i>Robust H^∞ Controller Design Using Frequency-Domain Data</i> , pp. 4921-4926.		
Karimi, Alireza		Ec. Pol. Federale de Lausanne
Zhu, Yuanming		BeiJing Jiaotong Univ.
17:00-17:20		TuC11.4
<i>Automatic Crosswind Flight of Tethered Wings for Airborne Wind Energy: A Direct Data-Driven Approach</i> , pp. 4927-4932.		
Fagiano, Lorenzo		ABB Schweiz Ltd.
Novara, Carlo		Pol. di Torino
17:20-17:40		TuC11.5
<i>Performance-Guaranteed Robust PID Controller Design for Systems with Unstable Zero</i> , pp. 4933-4938.		
Bucz, Štefan		Slovak Univ. of Tech. in Bratislava
Vesely, Vojtech		Slovak Univ. of Tech. in Bratislava
Kozáková, Alena		Slovak Univ. of Tech. in Bratislava
Kozak, Stefan		Faculty of Electrical Engineering and Information Tech.
TuC12		1.44 - Manfred Thoma
Control of Solar Power Systems (Regular Session)		
Chair: Majanne, Yrjö		Tampere Univ. of Tech.
Co-Chair: Lee, Kwang Y.		Baylor Univ.
16:00-16:20		TuC12.1
<i>Modelling and Controller Design of Resonant Thermoacoustic Solar AC Power Generators</i> , pp. 4939-4946.		
Hong, Boe-Shong		National Chung Cheng Univ.
Chou, Chia-Yu		National Chung Cheng Univ.
16:20-16:40		TuC12.2
<i>An Adaptive Predictive Control Strategy for RMPPT under Partially Shaded Conditions</i> , pp. 4947-4952.		
Ma, Chao		Shanghai Jiao Tong Univ.
Wu, Jing		Shanghai Jiao Tong Univ.
Li, Ning		Shanghai Jiao Tong Univ.
Li, Shaoyuan		Shanghai Jiao Tong Univ.
Li, Kang		Queen's Univ. Belfast
16:40-17:00		TuC12.3
<i>Heliostat Field Layout Design for Solar Tower Power Plant Based on GPU</i> , pp. 4953-4958.		
Zhou, Yiyi		Zhejiang Univ.
Zhao, Yuhong		Zhejiang Univ.
17:00-17:20		TuC12.4
<i>Voltage Rise Issue with High Penetration of Grid Connected PV (I)</i> , pp. 4959-4966.		
Ainah, Priye Kenneth		Univ. of cape town
Folly, Komla		Univ. of Cape Town
17:20-17:40		TuC12.5
<i>Adaptive FOCV-Based Control Scheme to Improve the MPP Tracking Performance: An Experimental Validation</i> , pp. 4967-4971.		

Frezzetti, Antonio	Univ. of Naples
Manfredi, Sabato	Univ. of Naples Federico II
Suardi, Andrea	Imperial Coll. London

17:40-18:00 TuC12.6

Optimal Operation of Solar Tower Plants with Thermal Storage for System Design, pp. 4972-4978.

Casella, Francesco	Pol. di Milano
Casati, Emiliano	Delft Univ. of Tech.
Colonna, Piero	Department of Aerospace Engineering - Propulsion and Power, TU D

TuC13	Auditorium 2 - Eduard Gerecke
Increasing Impact and Funding Opportunities in Control (Panel Session)	

Chair: Lamnabhi-Lagarrigue, Françoise	CNRS-EECI
Co-Chair: Van den Hof, Paul M.J.	Eindhoven Univ. of Tech.

16:00-18:00 TuC13.1

*Increasing Impact and Funding Opportunities in Control**.

Lamnabhi-Lagarrigue, Françoise	CNRS-EECI
Van den Hof, Paul M.J.	Eindhoven Univ. of Tech.

TuC14	1.62 - Brian Anderson
Nonparametric Methods (Regular Session)	

Chair: Maruta, Ichiro	Kyoto Univ.
Co-Chair: Bai, Er-Wei	Univ. of Iowa

16:00-16:20 TuC14.1

On Variable Selection of a Nonlinear Non-Parametric System with a Limited Data Set: A Stepwise Algorithm, pp. 4979-4984.

Bai, Er-Wei	Univ. of Iowa
Li, Kang	Queen's Univ. Belfast
Zhao, Wenxiao	Acad. of Mathematics and Systems Science, Chinese Academy of Sc

16:20-16:40 TuC14.2

Compression Based Identification of PWA Systems, pp. 4985-4992.

Maruta, Ichiro	Kyoto Univ.
Ohlsson, Henrik	Linköping Univ.

16:40-17:00 TuC14.3

Data-Based Characteristics Analysis for Linear Discrete-Time Systems, pp. 4993-4998.

Wang, Zhuo	Univ. of Alberta
Liu, Derong	Chinese Acad. of Sciences

17:00-17:20 TuC14.4

Linking Regularization and Low-Rank Approximation for Impulse Response Modeling, pp. 4999-5004.

Marconato, Anna	Vrije Univ. Brussel
Ljung, Lennart	Linköping Univ.
Rolain, Yves	Vrije Univ. Brussel
Schoukens, Johan	Vrije Univ. Brussel

17:20-17:40 TuC14.5

Modeling Method for Electro-Rheological Dampers, pp. 5005-5010.

Vivas Lopez, Carlos Alberto	Tecnologico de Monterrey, Campus Monterrey
Hernandez-Alcantara, Diana	Tecnologico de Monterrey, Campus Monterrey
Morales-Menendez, Ruben	Tecnologico de Monterrey, Campus Monterrey
Vargas-Martínez, Adriana	Tecnologico de Monterrey, Campus Monterrey

17:40-18:00 TuC14.6

Adaptive Importance Sampling for Bayesian Inference in Gaussian Process Models, pp. 5011-5016.

Petelin, Dejan	Jožef Stefan Inst.
Gašperin, Matej	Jožef Stefan Inst.
Smidl, Vaclav	Inst. of Information Theory and Automation

TuC15	1.63 - Stephen Kahne
Estimation and Filtering III (Regular Session)	

Chair: Medvedev, Alexander	Uppsala Univ.
Co-Chair: Liu, Guoping	Univ. of Glamorgan
16:00-16:20	TuC15.1
<i>Optimal Estimation for Networked Control Systems with Intermittent Inputs without Acknowledgement</i> , pp. 5017-5022.	
Lin, Hong	Inst. of Cyber-Systems and Control, Zhejiang Univ.
Su, Hongye	Zhejiang Univ.
Shu, Zhan	Univ. of Southampton
Wu, Zheng-Guang	Inst. of Cyber-Systems and Control, Zhejiang Univ.
Xu, Yong	Hangzhou Dianzi Univ.
16:20-16:40	TuC15.2
<i>State Observation of a Class of Bilinear Systems with Large Sensor Delay</i> , pp. 5023-5028.	
Ibrir, Salim	King Fahd Univ. of Petroleum and Minerals
Hunte, Kyle	The Univ. of The West Indies
Bettayeb, Maamar	Univ. of Sharjah
16:40-17:00	TuC15.3
<i>The Recursive Bayesian Estimation Problem Via Orthogonal Expansions: An Error Bound</i> , pp. 5029-5034.	
Rosén, Olov	Uppsala Univ.
Medvedev, Alexander	Uppsala Univ.
17:00-17:20	TuC15.4
<i>Quadratic Equality Constrained Tracking Algorithm Using TDOA Measurements</i> , pp. 5035-5039.	
Peng, Li	Jiangnan Univ.
Liu, Quansheng	Wuxi Inst. of Tech.
Liu, Guoping	Univ. of Glamorgan
17:20-17:40	TuC15.5
<i>Moment-Based Dirac Mixture Approximation of Circular Densities</i> , pp. 5040-5048.	
Hanebeck, Uwe	Karlsruhe Inst. of Tech. (KIT)
Lindquist, Anders	Shanghai Jiaotong Univ.
17:40-18:00	TuC15.6
<i>H-Infinity Filter Design through Multi-Simplex Modeling for Discrete-Time Markov Jump Linear Systems with Uncertain Transition Probabilities</i> , pp. 5049-5054.	
Morais, Cecília F.	Univ. of Campinas
Braga, Marcio F.	Univ. of Campinas
Lacerda, Márcio J.	Univ. of Campinas
Oliveira, Ricardo C. L. F.	Univ. of Campinas
Peres, Pedro L. D.	Univ. of Campinas
TuC16	1.64 - Yong-Zai Lu
Adaptive Control Applications (Regular Session)	
Chair: Chen, Xinkai	Shibaura Inst. of Tech.
Co-Chair: Manzie, Chris	The Univ. of Melbourne
16:00-16:20	TuC16.1
<i>Model Reference Adaptive Control of Glucose in Type 1 Diabetics: A Simulation Study</i> , pp. 5055-5060.	
Tarnik, Marian	Slovak Univ. of Tech. in Bratislava, Faculty of Electr
Miklovicova, Eva	Slovak Univ. of Tech. in Bratislava, Faculty of Electr
Murgas, Jan	Slovak Univ. of Tech. in Bratislava, Faculty of Electr
Ottinger, Ivan	Slovak Univ. of Tech.
Ludwig, Tomas	Slovak Univ. of Tech. Faculty of Electrical Engineeri
16:20-16:40	TuC16.2
<i>Adaptive Non-Linear Control of Three-Phase Four-Wire Shunt Active Power Filters for Unbalanced and Nonlinear Loads</i> , pp. 5061-5066.	
Ait Chihab, Abderrahmane	PMMAT Lab. Univ. Hassan II, faculty of science, Casablanca,
Ouadi, Hamid	Ismra
Giri, Fouad	Univ. of Caen Basse-Normandie
Ahmed-Ali, Tarek	GREYC-ENSICAEN UMR CNRS 6072
16:40-17:00	TuC16.3
<i>Extremum-Seeking for Adaptation of Urban Traffic Signal Control</i> , pp. 5067-5072.	
Kutadinata, Ronny Jonathan	Univ. of Melbourne
Moase, Will	The Univ. of Melbourne

Manzie, Chris	The Univ. of Melbourne
Zhang, Lele	Monash Univ.
Garoni, Tim	Monash Univ.
17:00-17:20	TuC16.4
<i>Adaptive Control for Ionic Polymer-Metal Composite Actuator Based on Continuous-Time Approach</i> , pp. 5073-5078.	
Chen, Xinkai	Shibaura Inst. of Tech.
17:20-17:40	TuC16.5
<i>Lyapunov-Based Adaptive Regulation of Limit Cycle Oscillations in Aircraft Wings Using Synthetic Jet Actuators</i> , pp. 5079-5084.	
Ramos Pedroza, Natalie	Embry Riddle Aeronautical Univ.
MacKunis, William	Embry-Riddle Aeronautical Univ.
Guenthoer, Barrett	Embry Riddle Aeronautical Univ.
Golubev, Vladimir	Embry Riddle Aeronautical Univ.
Curtis, Jess	Air Force Res. Lab.
17:40-18:00	TuC16.6
<i>Robust Image-Based Servo Control of an Uncertain Missile Airframe</i> , pp. 5085-5090.	
Aygun, Murat T.	Embry-Riddle Aeronautical Univ.
MacKunis, William	Embry-Riddle Aeronautical Univ.
Mehta, Siddhartha	Univ. of Florida
TuC17	Marco Polo
Automatic Control, Optimization and Real-Time Operations in Transportation (Regular Session)	
Chair: Sacone, Simona	Univ. of Genova
Co-Chair: Wynter, Laura	IBM Watson Res. Center
16:00-16:20	TuC17.1
<i>Model Predictive Scheduling for Container Terminals</i> , pp. 5091-5096.	
van Boetzelaer, Frederik	TU Delft
van den Boom, Ton J. J.	Delft Univ. of Tech.
Negenborn, Rudy	Delft Univ. of Tech.
16:20-16:40	TuC17.2
<i>An Indirect Method for Optimal Guidance of a Glider</i> , pp. 5097-5102.	
Pepy, Romain	Onera - The French Aerospace Lab.
Hérissé, Bruno	Onera - The French Aerospace Lab.
16:40-17:00	TuC17.3
<i>An Iterative Predictive Learning Control Approach with Application to Energy Efficient Train Trajectory Tracking</i> , pp. 5103-5108.	
Sun, Heqing	Beijing Jiaotong Univ.
Hou, Zhongsheng	Beijing Jiaotong Univ.
Li, Dayou	Univ. of Bedfordshire
17:00-17:20	TuC17.4
<i>A Fast Decomposition Approach for Transportation Network Optimization</i> , pp. 5109-5114.	
Tang, Xiaocheng	Lehigh Univ.
Blandin, Sebastien	IBM Res. Coll. -- Singapore
Wynter, Laura	IBM Watson Res. Center
17:20-17:40	TuC17.5
<i>GPU Based Genetic Algorithms for the Dynamic Sub-Area Division Problem of the Transportation System</i> , pp. 5115-5120.	
Shen, Zhen	Chinese Acad. of Sciences
Wang, Kai	National Univ. of Defense Tech.
Wang, Fei-Yue	Univ. of Arizona
Chen, Philip	Science and Tech. Univ. of Macau
17:40-18:00	TuC17.6
<i>Planning Truck Carriers Operations in a Cooperative Environment</i> , pp. 5121-5126.	
Caballini, Claudia	Univ. of Genoa
Sacone, Simona	Univ. of Genoa
Saeednia, Mahnam	Univ. of Genoa
TuC18	2.43 - Pedro Albertos
Navigation, Control and Sensing in the Marine Environment III (Invited Session)	
Chair: Zereik, Enrica	CNR - ISSIA

Co-Chair: Bibuli, Marco	CNR-ISSIA
Organizer: Zereik, Enrica	CNR - ISSIA
Organizer: Bibuli, Marco	CNR-ISSIA
Organizer: Pascoal, Antonio M.	ISR-Inst. Superior Tecnico
Organizer: Ridaou, Pere	Univ. of Girona VAT:ESQ6750002E
16:00-16:40	TuC18.1
<i>Single Range Observability for Cooperative Underactuated Underwater Vehicles (I)</i> , pp. 5127-5138.	
Parlangeli, Gianfranco	Univ. degli studi del Salento
Indiveri, Giovanni	Univ. of Salento
16:40-17:00	TuC18.2
<i>Optimal Sensor Trajectories for Mobile Underwater Target Positioning with Noisy Range Measurements (I)</i> , pp. 5139-5144.	
Moreno-Salinas, David	UNED
Pascoal, Antonio M.	ISR-Inst. Superior Tecnico
Aranda, Joaquin	Univ. Nacional de Educación a Distancia
17:00-17:20	TuC18.3
<i>Flexible Triangular Formation Keeping of Marine Robotic Vehicles Using Range Measurements (I)</i> , pp. 5145-5150.	
Rego, Francisco	ISR/IST
Soares, Jorge M.	École Pol. Fédérale de Lausanne
Pascoal, Antonio M.	ISR-Inst. Superior Tecnico
Aguiar, A. Pedro	Faculty of Engineering, Univ. of Porto (FEUP)
Jones, Colin, N	Ec. Pol. Federale de Lausanne (EPFL)
17:20-17:40	TuC18.4
<i>Autonomous Intervention on an Underwater Panel Mockup by Using Visually-Guided Manipulation Techniques (I)</i> , pp. 5151-5156.	
Peñalver, Antonio	Jaume I Univ.
Pérez, Javier	Jaume I Univ.
Fernández, J.Javier	Jaume I Univ.
Sales, Jorge	Jaume I Univ.
Sanz, P.J.	Univ. of Jaume I
García Sánchez, Juan Carlos	Univ. Jaume I
Fornas, David	Jaume I Univ.
Marin, Raul	Univ. Jaume I
17:40-18:00	TuC18.5
<i>Full-Scale Sea Trials of a Motion Control System for ROVs Based on a High-Gain State Observer</i> , pp. 5157-5162.	
de Almeida Fernandes, Daniel	Norwegian Univ. of Science and Tech. (NTNU)
Soerensen, Asgeir	Norwegian Univ. of Science and Tech.
Donha, Decio Crisol	Univ. de Sao Paulo
TuC19	2.46 - Vladimir Kucera
Control of Distributed Parameter Systems III (Invited Session)	
Chair: Meurer, Thomas	Christian-Albrechts-Univ. Kiel
Co-Chair: Le Gorrec, Yann	FEMTO-ST, ENSMM
Organizer: Meurer, Thomas	Christian-Albrechts-Univ. Kiel
Organizer: Le Gorrec, Yann	FEMTO-ST, ENSMM
16:00-16:20	TuC19.1
<i>Decentralized Predictive Control for 1D Cascaded Systems of Conservation Laws (I)</i> , pp. 5163-5168.	
Pham, Van Thang	Gipsa-Lab.
Lefevre, Laurent	Grenoble INP
Georges, Didier	Grenoble Inst. of Tech. - ENSE3
Besancon, Gildas	Ense3, Grenoble INP
16:20-16:40	TuC19.2
<i>An Overview on the Modeling of Oilwell Drilling Vibrations (I)</i> , pp. 5169-5174.	
Saldivar, Martha Belem	Centro de Investigación y de Estudios Avanzados del Instituto Pol.
Boussaada, Islam	Lab. des Signaux et Systemes (L2S)
Mounier, Hugues	Lab. des Signaux et Systèmes, CNRS SUPELEC Université Pari
Mondie, Sabine	CINVESTAV-IPN
Niculescu, Silviu-Iulian	Lab. of Signals and Systems (L2S)
16:40-17:00	TuC19.3

<i>Backstepping Design for Parabolic Systems with In-Domain Actuation and Robin Boundary Conditions (I)</i> , pp. 5175-5180.		
Woittennek, Frank		Tech. Univ. Dresden
Wang, Siqian		Tech. Univ. Dresden
Knüppel, Torsten		Tech. Univ. Dresden
17:00-17:20		TuC19.4
<i>Control of Nonlinear PDEs Based on Space Vectors Clustering Reduced Order Systems (I)</i> , pp. 5181-5186.		
Sahyoun, Samir		Univ. of Tennessee
Djouadi, Seddik		Univ. of Tennessee
17:20-17:40		TuC19.5
<i>The Regulator Equations for Regular Linear Systems (I)</i> , pp. 5187-5192.		
Natarajan, Vivek		Tel Aviv Univ.
Gilliam, David S.		Texas Tech. Univ.
Weiss, George		Tel Aviv Univ.
17:40-18:00		TuC19.6
<i>Performance-Based Sensor Reconfiguration for Fault-Tolerant Control of Uncertain Spatially Distributed Processes (I)</i> , pp. 5193-5198.		
Yao, Zhiyuan		Univ. of California, Davis
El-Farra, Nael H.		Univ. of California, Davis
TuC21		2.64 - Alberto Isidori
Robust Control Applications (Regular Session)		
Chair: Fradkov, Alexander L.		Russian Acad. of Sciences
Co-Chair: Werner, Herbert		Hamburg Univ. of Tech.
16:00-16:20		TuC21.1
<i>Robust Control of Aircraft Lateral Movement</i> , pp. 5199-5204.		
Furtat, Igor	Inst. of Problems of Mechanical Engineering	Russian Acad.
Fradkov, Alexander L.		Russian Acad. of Sciences
Peaucelle, Dimitri		LAAS-CNRS
16:20-16:40		TuC21.2
<i>Passivity-Based Integral Sliding Mode Active Suspension Control</i> , pp. 5205-5210.		
Xiao, Lingfei		Nanjing Univ. of Aeronautics and Astronautics
Zhu, Yue		Nanjing Agricultural Univ.
16:40-17:00		TuC21.3
<i>Modelling and Control of a Suspended-Span Bridge Section</i> , pp. 5211-5216.		
Zhao, Xiaowei		Univ. of Warwick
Limebeer, David	Oxford Univ. Engineering Science Department	
Graham, John Michael Russell		Imperial Coll. London, UK
17:00-17:20		TuC21.4
<i>High Dynamic Engine-Dynamometer Identification and Control</i> , pp. 5217-5222.		
Lamara, Abderrahim		Univ. of Bordeaux1
Lanusse, Patrick		Bordeaux INP - Univ. de Bordeaux
Charlet, Alain		Univ. Orléans
Nelson-Gruel, Dominique		Univ. of Orleans
Colin, Guillaume		Univ. of Orléans
Lesobre, Antoine		D2T Trappes-Elancourt
Oustaloup, Alain	Univ. Bordeaux 1 - IPB/ENSEIRB-MATMECA	
Chamaillard, Yann		PRISME
17:20-17:40		TuC21.5
<i>Experimental and Simulation Testing of Physics-Model-Based Safety Factor Profile and Internal Energy Feedback Controllers in DIII-D Advanced Tokamak Scenarios</i> , pp. 5223-5228.		
Barton, Justin		Lehigh Univ.
Boyer, Mark D.		Lehigh Univ.
Wehner, Will		Lehigh Univ.
Schuster, Eugenio		Lehigh Univ.
Ferron, J. R.		General Atomics
Walker, Michael		General Atomics
Humphreys, David		General Atomics
Luce, Tim		General Atomics
Johnson, Robert D.		General Atomics

Penaflo, Benjamin P.	General Atomics
17:40-18:00	TuC21.6
<i>Automatic Controller Tuning for Soft Sensor Based Flow Rate Control</i> , pp. 5229-5234.	
Leonow, Sebastian	Ruhr Univ. Bochum
Monnigmann, Martin	Ruhr-Univ. Bochum

TuC22	2.65 - Ian Craig
Intelligent Manufacturing Systems (Invited Session)	

Chair: Tsuzuki, Marcos de Sales Guerra	Univ. of Sao Paulo
Co-Chair: Silva, José Reinaldo	Univ. of São Paulo
Organizer: Tsuzuki, Marcos de Sales Guerra	Univ. of Sao Paulo
Organizer: Valckenaers, Paul	K.U.Leuven
Organizer: Pereira, Carlos Eduardo	Federal Univ. of Rio Grande do Sul - UFRGS
Organizer: Nof, Shimon Y.	Purdue Univ.
Organizer: Silva, José Reinaldo	Univ. of São Paulo

16:00-16:20	TuC22.1
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<i>Circle Covering Representation for Nesting Problems with Continuous Rotations (I)</i> , pp. 5235-5240.	
Rocha, Pedro	INESC-TEC, Faculdade de Engenharia da Univ. do Porto
Rodrigues, Rui	INESC-TEC, Faculdade de Engenharia da Univ. do Porto
Gomes, A. Miguel	INESC-TEC, Faculdade de Engenharia da Univ. do Porto
Toledo, Franklina M.B.	Inst. de Ciências Matemáticas e de Computação, Univ.
Andretta, Marina	Inst. de Ciências Matemáticas e de Computaç

16:20-16:40	TuC22.2
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<i>Irregular Packing Overlap Minimization Using Discrete Voronoi Mountain (I)</i> , pp. 5241-5246.	
Sato, Andre Kubagawa	Escola Pol. da Univ. de Sao Paulo
Tsuzuki, Marcos de Sales Guerra	Univ. of Sao Paulo
Martins, Thiago de Castro	Univ. of Sao Paulo
Gomes, A. Miguel	INESC-TEC, Faculdade de Engenharia da Univ. do Porto

17:00-17:20	TuC22.4
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<i>Behavior of Industrial Manufacturing When Managed by Multi-Agent Systems (I)</i> , pp. 5247-5251.	
Peixoto, João Alvarez	Inst. SENAI of Innovation Integrated Solutions for Metalmecha
Pereira, Carlos Eduardo	Federal Univ. of Rio Grande do Sul - UFRGS
Souza, Jose de	Inst. SENAI de Inovação
Reis, Bernardo Pora dos	Inst. SENAI de Inovação

17:20-17:40	TuC22.5
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<i>Performance Analysis of Distributed Control Systems Using the FlexRay Protocol (I)</i> , pp. 5252-5257.	
Michelin, Thiago	Federal Univ. of Rio Grande do Sul
Gomes Da Silva Jr, Joao Manoel	Univ. Federal do Rio Grande do Sul (UFRGS)
Pereira, Carlos Eduardo	Federal Univ. of Rio Grande do Sul - UFRGS

17:40-18:00	TuC22.6
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<i>Automatic Creation of Blending Surfaces in Hydropower Generators Turbine Blades (I)</i> , pp. 5258-5263.	
Castro, Emiliano Gonçalves	Escola Pol. da Univ. de Sao Paulo
Tsuzuki, Marcos de Sales Guerra	Univ. of Sao Paulo
Silva, Emilio Carlos Nelli	Escola Pol. da Univ. de Sao Paulo
Vatanabe, Sandro	Escola Pol. da Univ. de Sao Paulo
Sato, Andre Kubagawa	Escola Pol. da Univ. de Sao Paulo
Martins, Thiago de Castro	Univ. of Sao Paulo
Gallo, Giulliano B.	CESP
Marques, Marco A.	CESP
Tiba, Hamilton	CESP

TuC23	2.66
Dynamics and Control in Biosystems (Regular Session)	

Chair: Baillieul, John	Boston Univ.
Co-Chair: Grogard, Frederic	INRIA Sophia-Antipolis

16:00-16:20	TuC23.1
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<i>Feedback Stabilization of Predator-Prey Systems for Impulsive Biological Control</i> , pp. 5264-5269.	
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Grognard, Frederic	INRIA Sophia-Antipolis
16:20-16:40	TuC23.2
<i>On the Average Dynamical Behaviour of Stochastic Population Models</i> , pp. 5270-5275.	
Julvez, Jorge	Univ. of Zaragoza
16:40-17:00	TuC23.3
<i>Perception and Steering Control in Paired Bat Flight</i> , pp. 5276-5282.	
Kong, Zhaodan	Boston Univ.
Ozcmder, Kayhan Hasan	Boston Univ.
Fuller, Nathan	Center for Ec. and Conservation Biology, Department of Biolo
Therault, Diane	Boston Univ.
Betke, Margrit	Boston Univ.
Baillieul, John	Boston Univ.
17:00-17:20	TuC23.4
<i>Optimal Control Problems in Binocular Vision</i> , pp. 5283-5289.	
Rajamuni, Methma	Texas Tech. Univ.
Aulisa, Eugenio	Texas Tech. Univ.
Ghosh, Bijoy	Texas Tech. Univ.
17:20-17:40	TuC23.5
<i>Optimal Eye and Head Movement Control Using Q-Parametrization</i> , pp. 5290-5295.	
Kahagalage, Sanath	Texas Tech. Univ.
Aulisa, Eugenio	Texas Tech. Univ.
Ghosh, Bijoy	Texas Tech. Univ.
TuC24	Francis Drake
Modeling and Control of Environmental Systems (Regular Session)	
Chair: van Nooijen, Ronald Robert Paul	Delft Univ. of Tech.
Co-Chair: Puig, Vicenc	Univ. Pol. de Catalunya
16:00-16:20	TuC24.1
<i>Formalization and Solution of an Optimal Control Problem for Air Quality Planning</i> , pp. 5296-5301.	
Carnevale, Claudio	Univ. of Brescia
Finzi, Giovanna	Univ. of Brescia
Padula, Fabrizio	Univ. of Brescia
Turrini, Enrico	Univ. degli Studi di Brescia
Volta, Marialuisa	Univ. of Brescia
16:20-16:40	TuC24.2
<i>Adaptive Observation Strategy for Dispersion Process Estimation Using Cooperating Mobile Sensors</i> , pp. 5302-5308.	
Ritter, Tobias	Tech. Univ. Darmstadt
Euler, Juliane	Tech. Univ. Darmstadt
Ulbrich, Stefan	Tech. Univ. Darmstadt
von Stryk, Oskar	Tech. Univ. Darmstadt
16:40-17:00	TuC24.3
<i>Sensor Fault Diagnosis of Inland Navigation System Using Physical Model and Pattern Recognition Approach</i> , pp. 5309-5314.	
Horvath, Klaudia	Inst. Mines Telecom, Mines de Douai
Blesa, Joaquim	Univ. Pol. de Catalunya (UPC)
Duviella, Eric	Ec. des Mines de Douai
Rajaoarisoa, Lala	Inst. Mines Télécom. Mines de Douai.
Puig, Vicenc	Univ. Pol. de Catalunya
Chuquet, Karine	VNF
17:00-17:20	TuC24.4
<i>Room for Automatic Control in Combined Sewer Systems</i> , pp. 5315-5320.	
van Nooijen, Ronald Robert Paul	Delft Univ. of Tech.
Kolechkina, Alla G.	Aronwis
17:20-17:40	TuC24.5
<i>Robustness of Closed-Loop Control to Biodiversity: A Didactic Example</i> , pp. 5321-5326.	
Mairet, Francis	Inria
Bernard, Olivier	INRIA

TuC25	Poster area
Interactive Session on Control Design and Linear Systems (Interactive Session)	
Chair: Conte, Giuseppe	Univ. Pol. delle Marche
Co-Chair: Haber, Robert	Univ. of Applied Science Cologne
16:00-18:00	TuC25.1
<i>Fault-Tolerant Control of a Master Generation Unit in an Islanded Microgrid</i> , pp. 5327-5332.	
Minchala, Luis Ismael	Tec de Monterrey
Vargas, Adriana	ITESM - Campus Monterrey
Garza-Castañón, Luis	ITESM Campus Monterrey
Morales-Menendez, Ruben	Tecnologico de Monterrey, Campus Monterrey
Zhang, Youmin	Concordia Univ.
Calle-Ortiz, Eduardo Robinson	Univ. Pol. Salesiana
16:00-18:00	TuC25.2
<i>Implementation of PFC (Predictive Functional Control) in a Petrochemical Plant (I)</i> , pp. 5333-5338.	
Haber, Robert	Univ. of Applied Science Cologne
Schmitz, Ulrich	Shell Rhineland Refinery
Zabet, Khaled Ramdan	Cologne Univ. of Applied Sciences
16:00-18:00	TuC25.3
<i>An Implementation of Predictive Functional Control for Image-Based Satellite Attitude Control (I)</i> , pp. 5339-5344.	
Zdesar, Andrej	Faculty of Electrical Engineering, Univ. of Ljubljana
Klancar, Gregor	Univ. of Ljubljana
Music, Gasper	Univ. of Ljubljana
Matko, Drago	Univ. of Ljubljana
Skrjanc, Igor	Univ. of Ljubljana
16:00-18:00	TuC25.4
<i>Implementation Predictive Functional Control of Counter Current Heat Exchangers (I)</i> , pp. 5345-5350.	
Richalet, Jacques	Consultant
Darure, Tejaswini	Coll. of Engineering Pune
Mallet, Joel	IRA Control and Automation Inst.
16:00-18:00	TuC25.5
<i>Decentralized Networked Control for Vehicle-String Velocity and Spacing Distance Bias System</i> , pp. 5351-5356.	
Ma, Lianzeng	Univ. of Science and Tech. Liaoning
Chen, Xue-Bo	Liaoning Univ. of Sci. & Tech.
Zhang, Huaguang	Northeastern Univ.
16:00-18:00	TuC25.6
<i>A Positive Observer for Linear Systems</i> , pp. 5357-5362.	
Cacace, Filippo	Univ. Campus Biomedico di Roma
Germani, Alfredo	Univ. of L'Aquila
Manes, Costanzo	Univ. dell'Aquila
16:00-18:00	TuC25.7
<i>A Fractional Order Impedance Model to Capture the Structural Changes in Lungs (I)</i> , pp. 5363-5368.	
Ionescu, Clara	Ghent Univ.
Copot, Dana	Ghent Univ.
De Keyser, Robin M.C.	Ghent Univ.
16:00-18:00	TuC25.8
<i>Fractional-Order Power Rate Type Reaching Law for Sliding Mode Control of Uncertain Nonlinear System</i> , pp. 5369-5374.	
Yin, Chun	Univ. of ElectronicScience and Tech. of China, Chengdu6
Chen, YangQuan	Univ. of California, Merced
Zhong, Shouming	Coll. of Applied Mathematics, Univ. of ElectronicScience
16:00-18:00	TuC25.9
<i>Implicit Regulator Calculation for Regular MIMO-Systems with Predictive Functional Control Demonstrated at a Three Tank System</i> , pp. 5375-5380.	
Arnold, Christian	Univ. of Applied Sciences Fulda
Aissa, Tarek	Univ. of Applied Science Fulda
Lambeck, Steven	Univ. of Applied Science Fulda
16:00-18:00	TuC25.10
<i>Switching Piecewise Bilinear Control of Nonlinear Systems with Singularities (I)</i> , pp. 5381-5386.	
Taniguchi, Tadanari	TOKAI Univ.

Eciolaza, Luka Sugeno, Michio	European Centre for Soft Computing European Centre for Soft Computing
16:00-18:00	TuC25.11
<i>Robust Evolving Fuzzy Adaptive Control with Input-Domain Clustering (I)</i> , pp. 5387-5392.	
Blazic, Saso Dovzan, Dejan Skrjanc, Igor	Univ. of Ljubljana Faculty of electrical engineering, Ljubljana Univ. of Ljubljana
16:00-18:00	TuC25.12
<i>Nonlinear Disturbance Compensation and Reference Tracking Via Reinforcement Learning with Fuzzy Approximators (I)</i> , pp. 5393-5398.	
Babuska, Robert Bayiz, Efe	Delft Univ. of Tech. Delft Univ. of Tech.
16:00-18:00	TuC25.13
<i>Identification Problems for Boolean Networks and Boolean Control Networks</i> , pp. 5399-5404.	
Fornasini, Ettore Valcher, Maria Elena	Univ. di Padova Univ. di Padova
TuP22a	Auditorium 1
The Evolving Electrical Grid: From Slow and Passive to Fast and Active (Plenary Session)	
Chair: Allgower, Frank	Univ. of Stuttgart
18:15-19:15	TuP22a.1
<i>The Evolving Electrical Grid: From Slow and Passive to Fast and Active*</i> .	
Scholtz, Ernst	ABB Corp. Res.
TuP22b	Auditorium 2
Large Transport Aircraft: Control Challenges of the Future (Plenary Session)	
Chair: Camisani-Calzolari, Ferdinando Roux	CSIR
18:15-19:15	TuP22b.1
<i>Large Transport Aircraft: Control Challenges of the Future*</i> .	
Jones, Thomas	Stellenbosch Univ.

Technical Program for Wednesday August 27, 2014

WeP11	Auditorium 1
How Much Uncertainty Can a Feedback Mechanism Deal With? (Plenary Session)	
Chair: Xia, Xiaohua	Univ. of Pretoria
08:30-09:30	WeP11.1
<i>How Much Uncertainty Can a Feedback Mechanism Deal With?*</i>	
Guo, Lei	Chinese Acad. of Sciences
WeA01	Ballroom East - Harold Chestnut
Towards Automated Load Control in Smart Grids (Invited Session)	
Chair: Alpcan, Tansu	The Univ. of Melbourne
Co-Chair: de Hoog, Julian	Univ. of Melbourne
Organizer: Alpcan, Tansu	The Univ. of Melbourne
Organizer: de Hoog, Julian	Univ. of Melbourne
Organizer: Mareels, Iven	The Univ. of Melbourne
10:00-10:20	WeA01.1
<i>Designing Pricing Strategies for Coordination of Networked Distributed Energy Resources (I)</i> , pp. 5405-5410.	
Gharesifard, Bahman	Queens Univ. Canada
Basar, Tamer	Univ. of Illinois at Urbana-Champaign
Dominguez-Garcia, Alejandro	Univ. of Illinois at Urbana-Champaign
10:20-10:40	WeA01.2
<i>Distributed Frequency-Preserving Optimal Load Control (I)</i> , pp. 5411-5418.	
Mallada, Enrique	Caltech
Low, Steven	Caltech
10:40-11:00	WeA01.3
<i>Nonlinear Dynamics of Hysteresis-Based Load Controls (I)</i> , pp. 5419-5425.	
Kundu, Soumya	Univ. of Michigan
Hiskens, Ian A.	Univ. of Michigan
11:00-11:20	WeA01.4
<i>Electric Vehicle Charging: A Noncooperative Game Using Local Measurements (I)</i> , pp. 5426-5431.	
Xia, Lu	Univ. of Melbourne
de Hoog, Julian	Univ. of Melbourne
Alpcan, Tansu	The Univ. of Melbourne
Brazil, Marcus	The Univ. of Melbourne
Mareels, Iven	The Univ. of Melbourne
Thomas, Doreen Anne	Univ. of Melbourne
11:20-11:40	WeA01.5
<i>Supply/demand Correlation As an Auxiliary Variable for Smart Grid Control Design (I)</i> , pp. 5432-5438.	
Boel, Rene K.	Ghent Univ.
Varaiya, Pravin P.	Univ. of California at Berkeley
11:40-12:00	WeA01.6
<i>Fast Distributed Power Regulation Method Via Networked Thermostatically Controlled Loads</i> , pp. 5439-5444.	
Xing, Hao	Zhejiang Univ.
Mou, Yuting	Zhejiang Univ.
Lin, Zhiyun	Zhejiang Univ.
Fu, Minyue	Univ. of Newcastle
WeA02	Ballroom West - Aleksander Letov
Stability of Nonlinear Systems (Regular Session)	
Chair: Mehra, Rachit	VJTI
Co-Chair: Polyakov, Andrey	INRIA Lille Nord-Europe
10:00-10:20	WeA02.1
<i>Hidden Periodic and Chaotic Oscillations in Nonlinear Dynamical Systems</i> , pp. 5445-5454.	
Kuznetsov, Nikolay	Saint-Petersburg State Univ.
Leonov, Gennady	Saint-Peterburg State Univ.

10:20-10:40	WeA02.2
<i>Discontinuous Lyapunov Functions for Nonasymptotic Stability Analysis</i> , pp. 5455-5460.	
Polyakov, Andrey	INRIA Lille Nord-Europe
10:40-11:00	WeA02.3
<i>Integral Input-To-State Stability for Interconnected Discrete-Time Systems</i> , pp. 5461-5466.	
Noroozi, Navid	Sheikh Bahaei Univ.
Khayatian, Alireza	Shiraz Univ.
Ahmadizadeh, Saeed	The Univ. of Melbourne
Karimi, Hamid Reza	Univ. of Agder
11:00-11:20	WeA02.4
<i>Stability and Stabilization of Differential Nonlinear Repetitive Processes with Applications</i> , pp. 5467-5472.	
Emelianov, Mikhail	Arzamas Pol. Inst. of R.E. Alekseev NSTU
Pakshin, Pavel	Arzamas Pol. Inst. of R.E. Alekseev NSTU
Galkowski, Krzysztof	Univ. of Zielona Gora
Rogers, Eric	Univ. of Southampton
11:20-11:40	WeA02.5
<i>Global Output-Feedback Extremum Seeking Control for Nonlinear Systems with Arbitrary Relative Degree</i> , pp. 5473-5478.	
Peixoto, Alessandro Jacoud	Federal Univ. of Rio de Janeiro (UFRJ)
Oliveira, Tiago Roux	State Univ. of Rio de Janeiro - UERJ
11:40-12:00	WeA02.6
<i>Feedback Linearization of Single-Input and Multi-Input Control System</i> , pp. 5479-5484.	
Mehra, Rachit	VJTI
Chinde, Venkatesh	iowa state Univ.
Kazi, Faruk	Indian Inst. of Tech. Bombay
Singh, Navdeep	Veermata Jijabi Tech. Inst.
WeA03	Auditorium 2 - Eduard Gerecke
Estimation and Filtering IV (Regular Session)	
Chair: Fu, Minyue	Univ. of Newcastle
Co-Chair: Park, Chan Gook	Seoul National Univ.
10:00-10:20	WeA03.1
<i>Nonlinear Estimation Software Framework in Optimal and Adaptive Control Problems</i> , pp. 5485-5490.	
Flídr, Miroslav	Univ. of West Bohemia
Straka, Ondrej	Univ. of West Bohemia
Simandl, Miroslav	Univ. of West Bohemia
10:20-10:40	WeA03.2
<i>Robust Model-Based Soft Sensor: Design and Application</i> , pp. 5491-5496.	
Doraiswami, Rajamani	Univ. of New Brunswick
Cheded, Lahouari Cheded	KFUPM
10:40-11:00	WeA03.3
<i>Suboptimal Kalman Filter for Dual Estimation under Dynamical Uncertainties</i> , pp. 5497-5502.	
Murata, Masaya	NTT Communication Science Lab. NTT Corp.
Nagano, Hidehisa	NTT Communication Science Lab. NTT Corp.
Kashino, Kunio	NTT Communication Science Lab. NTT Corp.
11:00-11:20	WeA03.4
<i>PET Image Reconstruction Based on a Constrained Filter</i> , pp. 5503-5507.	
Wang, Hongxia	zhejiang Univ. of Tech.
Chen, Xin	Zhejiang Univ. of Tech.
Yu, Li	Zhejiang Univ. of Tech.
11:20-11:40	WeA03.5
<i>Comparison of Periodic and Event Based Sampling for Linear State Estimation</i> , pp. 5508-5513.	
Wang, Bing-Chang	Shandong Univ.
Fu, Minyue	Univ. of Newcastle
11:40-12:00	WeA03.6
<i>Detection of No-Model Input/Output Combinations in a Fluid Catalytic Cracking Unit</i> , pp. 5514-5519.	
Segundo Potts, Alain	Univ. of Sao Paulo
Massaro, Leandro	Univ. of São Paulo

WeA04	Roof Terrace - John Coales
Decentralised Techniques for Estimation and Identification (Regular Session)	
Chair: Johansson, Karl H.	Royal Inst. of Tech.
Co-Chair: Battistelli, Giorgio	Univ. of Florence
10:00-10:20	WeA04.1
<i>Stability of Consensus Extended Kalman Filtering for Distributed State Estimation</i> , pp. 5520-5525.	
Battistelli, Giorgio	Univ. of Florence
Chisci, Luigi	Univ. di Firenze
10:20-10:40	WeA04.2
<i>Distributed Estimation of Graph Laplacian Eigenvalues by the Alternating Direction of Multipliers Method</i> , pp. 5526-5531.	
Tran, Thi-Minh Dung	Gipsa-Lab. Joseph Fourier/CNRS
Kibangou, Alain	GIPSA-Lab. Univ. Joseph Fourier, CNRS
10:40-11:00	WeA04.3
<i>Network Topology Reconfiguration for State Estimation Over Sensor Networks with Correlated Packet Drops</i> , pp. 5532-5537.	
Leong, Alex	Univ. of Melbourne
Quevedo, Daniel E.	The Univ. of Newcastle
Ahlen, Anders	Uppsala Univ.
Johansson, Karl H.	Royal Inst. of Tech.
11:00-11:20	WeA04.4
<i>Hierarchical Network Identification of Large-Scale Systems - an Approach Based on Dissipation Equalities</i> , pp. 5538-5543.	
Kojima, Chiaki	Univ. of Tokyo
11:20-11:40	WeA04.5
<i>Collaborative Estimation and Actuation for Wireless Sensor and Actuator Networks</i> , pp. 5544-5549.	
Lei, Mo	Zhejiang Univ.
Cao, Xianghui	Zhejiang Univ.
Chen, Jiming	Zhejiang Univ.
Sun, Youxian	Zhejiang Univ.
11:40-12:00	WeA04.6
<i>Network Design for Distributed Consensus Estimation Over Heterogeneous Sensor Networks</i> , pp. 5550-5555.	
Yang, Wen	East China Univ. of Science and Tech.
Shi, Ling	Hong Kong Univ. of Science and Tech.
Yuan, Ye	Univ. of Cambridge
Wang, Xiaofan	Shanghai JiaoTong Univ.
Shi, Hongbo	East china Univ. of science and Tech.
WeA05	Da Gama/Diaz
Linear Systems II (Regular Session)	
Chair: Chesi, Graziano	Univ. of Hong Kong
Co-Chair: Califano, Claudia	La Sapienza, Univ. di Roma
10:00-10:20	WeA05.1
<i>Optimal Sampled-Data State Feedback Control of Linear Systems</i> , pp. 5556-5561.	
Souza, Matheus	FEEC / UNICAMP
Vital, Gabriela Werner Gabriel	FEEC - Unicamp
Geromel, Jose C.	UNICAMP
10:20-10:40	WeA05.2
<i>Two Upper Bounds on the H_{∞}-Norm of LTI Dynamical Systems</i> , pp. 5562-5567.	
Vuillemin, Pierre	Onera - The French Aerospace Lab.
Poussot-Vassal, Charles	ONERA
Alazard, Daniel	Univ. de Toulouse - ISAE
10:40-11:00	WeA05.3
<i>On the H-Infinity Norm of 2D Mixed Continuous-Discrete-Time Systems Via Rationally-Dependent Complex Lyapunov Functions</i> , pp. 5568-5573.	
Chesi, Graziano	Univ. of Hong Kong
Middleton, Richard	The Univ. of Newcastle

11:00-11:20	WeA05.4
<i>Computation of the Largest Constraint Admissible Set for Linear Continuous-Time Systems with State and Input Constraints</i> , pp. 5574-5579.	
Schulze Darup, Moritz Monnigmann, Martin	Ruhr-Univ. Bochum Ruhr-Univ. Bochum
11:20-11:40	WeA05.5
<i>Further Results on the Linearization Problem in Discrete Time: The Uncontrollable Case</i> , pp. 5580-5585.	
Califano, Claudia	La Sapienza, Univ. di Roma
11:40-12:00	WeA05.6
<i>Large Deviations in Continuous-Time Linear Single-Input Control Systems</i> , pp. 5586-5591.	
Polyak, Boris T. Smirnov, Georgi	Moscow Inst. of Control Sciences Univ. of Minho
WeA06	2.41 Pawel Nowacki
Vibration Control Systems II (Regular Session)	
Chair: Heertjes, Marcel Co-Chair: Benosman, Mouhacine	Eindhoven Univ. of Tech. TL@National Univ. of Singapore
10:00-10:20	WeA06.1
<i>Lyapunov-Based Control of the Sway Dynamics for Elevator Ropes with Time-Varying Lengths</i> , pp. 5592-5597.	
Benosman, Mouhacine	Mitsubishi Electric Res. Lab. (MERL)
10:20-10:40	WeA06.2
<i>Nonlinear Discrete Observer for Flexibility Compensation of Industrial Robots</i> , pp. 5598-5604.	
Qin, Jinna Leonard, Francois Abba, Gabriel	ENSAM ENIM Ec. Nationale Supérieure des Arts et Métiers
10:40-11:00	WeA06.3
<i>Modeling and Validation for Modern Complex Mechatronic Systems</i> , pp. 5605-5610.	
Moten, Sikandar Pipeleers, Goele Swevers, Jan Desmet, Wim	KU Leuven Katholieke Univ. Leuven K. U. Leuven KU Leuven
11:00-11:20	WeA06.4
<i>Self-Tuning Feedforward Control for Active Vibration Isolation of Precision Machines</i> , pp. 5611-5616.	
Beijen, Michiel Van Dijk, Johannes Hakvoort, Wouter Heertjes, Marcel	Eindhoven Univ. of Tech. Univ. of Twente Univ. of Twente Eindhoven Univ. of Tech.
11:20-11:40	WeA06.5
<i>Wind Turbine Blade Flapwise Vibration Control through Input Shaping</i> , pp. 5617-5622.	
Ju, Dayuan Sun, Qiao	Univ. of Calgary Univ. of Calgary
11:40-12:00	WeA06.6
<i>An LQG/LTR Approach towards Piezoactuator Vibration Reduction with Observer-Based Hysteresis Compensation</i> , pp. 5623-5628.	
Ryba, Lukasz Voda, Alina Besancon, Gildas	GIPSA-Lab. Control System Department, Grenoble INP Univ. Joseph Fourier Grenoble 1 Ense3, Grenoble INP

WeA07	2.44 - Victor Broida
Quantification of Physiological Parameters for Diagnosis and Treatment Assessment (Invited Session)	
Chair: Pretty, Christopher Co-Chair: Chase, J. Geoffrey Organizer: Pretty, Christopher Organizer: Chase, J. Geoffrey Organizer: Desaive, Thomas Organizer: Benyo, Balazs Organizer: Pielmeier, Ulrike	Univ. of Canterbury Univ. of Canterbury Univ. of Canterbury Univ. of Canterbury Univ. of Liege Budapest Univ. of Tech. and Ec. Aalborg Univ.

10:00-10:20	WeA07.1
<i>Real-Time Breath-To-Breath Asynchrony Event Detection Using Time-Varying Respiratory Elastance Model (I)</i> , pp. 5629-5634.	
Poole, Sarah F	Univ. of Canterbury
Chiew, Yeong Shiong	Univ. of Canterbury
Redmond, Daniel Paul	Univ. of Canterbury
Davidson, Shaun M	Univ. of Canterbury
Damanhuri, Nor Salwa	Univ. of Canterbury
Pretty, Christopher	Univ. of Canterbury
Docherty, Paul D	Univ. of Canterbury
Desaive, Thomas	Univ. of Liege
Shaw, Geoffrey M	Christchurch Hospital, Canterbury District Health Board
Chase, J. Geoffrey	Univ. of Canterbury
10:20-10:40	WeA07.2
<i>Reducing the Effect of Outlying Data on the Identification of Insulinaemic Pharmacokinetic Parameters with an Adapted Gauss-Newton Approach (I)</i> , pp. 5635-5640.	
Docherty, Paul D	Univ. of Canterbury
Gray, Rebecca A. L.	Univ. of Canterbury
Mansell, Erin J	Univ. of Canterbury
10:40-11:00	WeA07.3
<i>Model-Based Computation of Total Stressed Blood Volume from a Preload Reduction Experiment (I)</i> , pp. 5641-5646.	
Pironet, Antoine	Univ. of Liege
Desaive, Thomas	Univ. of Liege
Chase, J. Geoffrey	Univ. of Canterbury
Morimont, Philippe	Univ. Hospital of Liège, Liège, Belgium
Dauby, Pierre C.	Univ. of Liege
11:00-11:20	WeA07.4
<i>Accuracy of Stroke Volume Estimation Via Reservoir Pressure Concept and Three Element Windkessel Model (I)</i> , pp. 5647-5652.	
Kamoi, Shun	Univ. of Canterbury
Dougie, Squire	Univ. of Canterbury, Department of Mechanical Engineering
Revie, James A	Univ. of Canterbury
Pretty, Christopher	Univ. of Canterbury
Docherty, Paul D	Univ. of Canterbury
Chiew, Yeong Shiong	Univ. of Canterbury
Desaive, Thomas	Univ. of Liege
Shaw, Geoffrey M	Christchurch Hospital, Canterbury District Health Board
Chase, J. Geoffrey	Univ. of Canterbury
11:20-11:40	WeA07.5
<i>A Bayesian Approach to Model-Development: Design of Continuous Distributions for Infection Variables (I)</i> , pp. 5653-5658.	
Ward, Logan	Aalborg Univ.
Mogensen, Mads Lause	Aalborg Univ.
Paul, Mical	Rabin Medical Center, Beilinson Hospital
Leibovici, Leonard	Rabin Medical Center, Beilinson Hospital
Andreassen, Steen	Aalborg Univ.
11:40-12:00	WeA07.6
<i>Time-Varying Respiratory Elastance for Spontaneously Breathing Patients (I)</i> , pp. 5659-5664.	
Chiew, Yeong Shiong	Univ. of Canterbury
Poole, Sarah F	Univ. of Canterbury
Redmond, Daniel Paul	Univ. of Canterbury
Van Drunen, Erwin J.	Univ. of Canterbury
Damanhuri, Nor Salwa	Univ. of Canterbury
Pretty, Christopher	Univ. of Canterbury
Docherty, Paul D	Univ. of Canterbury
Lambermont, Bernard	Univ. of Liege
Shaw, Geoffrey M	Christchurch Hospital, Canterbury District Health Board
Desaive, Thomas	Univ. of Liege
Chase, J. Geoffrey	Univ. of Canterbury

Engine Modelling and Control II (Regular Session)

Chair: Zenger, Kai Aalto Univ. School of Electrical Engineering
 Co-Chair: Gelso, Esteban R. Volvo Group Trucks Tech.

10:00-10:20 WeA08.1

Design, Test and Implementation of a Single Piston Rotary Valve Engine Control Unit, pp. 5665-5670.

Zibani, Ishmael Univ. of Botswana
 Chuma, J Univ. of Botswana
 Marumo, Rapelang The Univ. of Botswana

10:20-10:40 WeA08.2

Optimal Control of a Vehicular Organic Rankine Cycle Via Dynamic Programming with Adaptive Discretization Grid, pp. 5671-5678.

Peralez, Johan IFP Energies nouvelles
 Tona, Paolino IFP Energies nouvelles
 Sciarretta, Antonio IFP
 Dufour, Pascal Univ. Lyon 1 - CNRS
 Nadri, Madiha Univ. Claude Bernard Lyon 1

10:40-11:00 WeA08.3

Digital Control of a Camless Engine Using Lyapunov Approach with Backward Euler Approximation, pp. 5679-5684.

Mercorelli, Paolo Leuphana Univ. of Lueneburg
 Werner, Nils Ostfalia Univ. of Applied Sciences
 Becker, Udo Ostfalia Univ. of Applied Sciences
 Harndorf, Horst Univ. of Rostock
 van Niekerk, Theo Nelson Mandela Metropolitan Univ.

11:00-11:20 WeA08.4

Modelling of Selective Catalytic Reduction Systems Using Discrete-Time Linear Parameter Varying Models, pp. 5685-5690.

Tayamon, Soma Uppsala Univ.
 Sjoberg, Jonas Chalmers Univ.

11:20-11:40 WeA08.5

On-Line Feedforward Map Generation for Engine Ignition Timing Control, pp. 5691-5696.

Tamaki, Shunpei Tokyo Inst. of Tech.
 Sakayanagi, Yoshihiro Toyota Motor Corp. / Tokyo Inst. of Tech.
 Sekiguchi, Kazuma Tokyo City Univ.
 Ibuki, Tatsuya Tokyo Inst. of Tech.
 Tahara, Kohei Tokyo Inst. of Tech.
 Sampei, Mitsuji Tokyo Inst. of Tech.

11:40-12:00 WeA08.6

Continuation/GMRES Method Based Nonlinear Model Predictive Control for IC Engines (I), pp. 5697-5702.

Kang, Mingxin Sophia Univ.
 Shen, Tielong Sophia Univ.
 Jiao, Xiaohong Yanshan Univ.

WeA09

1.41 - Uolevi Luoto

Mobile Robots II (Regular Session)

Chair: Petrovic, Ivan Univ. of Zagreb
 Co-Chair: Wang, Chaoli The Univ. of Shanghai For Science and Tech. PRC

10:00-10:20 WeA09.1

Multi-Robot Systems Formation Control with Obstacle Avoidance, pp. 5703-5708.

Conceicao, Andre Gustavo Scolari Federal Univ. of Bahia
 Nascimento, Tiago Federal Univ. of Paraiba (UFPB)
 Moreira, António Paulo Faculdade de Engenharia da Univ. do Porto

10:20-10:40 WeA09.2

Trajectory Tracking, Pose Regulation and Adaptive Formation Control of a Group of Nonholonomic Mobile Robots, pp. 5709-5714.

Lima, Aurelio Federal Univ. of Rio de Janeiro
 Gouvea, Josiel DECA-CEFET/RJ
 Lizarralde, Fernando Federal Univ. of Rio de Janeiro
 Hsu, Liu COPPE - Federal Univ. of Rio de Janeiro

10:40-11:00 WeA09.3

Robot Base with Holonomic Drive, pp. 5715-5720.

Tajti, Ferenc	Budapest Univ. of Tech. and Ec. MTA-ELTE Compar
Korondi, Peter	Budapest Univ. of Tech. and Ec.
Szayer, Géza	Budapest Univ. of Tech. and Ec.
Kovács, Bence	Budapest Univ. of Tech. and Ec.
11:00-11:20	WeA09.4
<i>Improved Feature Distribution for Robot Homing</i> , pp. 5721-5725.	
Zhu, Qidan	Harbin Engineering Univ.
Liu, Xue	Harbin Engineering Univ.
Cai, Chengtao	Haerbin Engineering Univ.
11:20-11:40	WeA09.5
<i>Homography-Based Visual Servoing for Autonomous Underwater Vehicles</i> , pp. 5726-5733.	
Hua, Minh-Duc	ISIR UPMC-CNRS UMR7222
Allibert, Guillaume	CNRS / UNSA
Krupinski, Szymon	Cybernetix
Hamel, Tarek	Univ. de Nice Sophia Antipolis
11:40-12:00	WeA09.6
<i>Adaptive Stabilization of Stochastic Nonholonomic Systems with Uncertain Parameters and Time-Varying Coefficients (I)</i> , pp. 5734-5739.	
Zhang, Dongkai	Univ. of Shanghai for Science and Tech. Shanghai
Wang, Zijing	High School Affiliated to USST
Wang, Chaoli	The Univ. of Shanghai For Science and Tech.
Wei, Guoliang	Univ. of Shanghai for Science and Tech.
Hua, Chen	Hohai Univ.
Zhang, Hengjun	Univ. of Shanghai Science and Tech.
WeA10	1.42 - Yoshikazu Sawaragi
Process Control Applications II (Regular Session)	
Chair: Feliu, Vicente	Univ. of Castilla-La Mancha
Co-Chair: Fikar, Miroslav	Slovak Univ. of Tech. in Bratislava
10:00-10:20	WeA10.1
<i>Design and Performance Assessment of Setpoint Feedforward Controllers to Break Tradeoffs in Univariate Control Loops</i> , pp. 5740-5745.	
Yu, Zhenpeng	Peking Univ.
Wang, Jiandong	Peking Univ.
10:20-10:40	WeA10.2
<i>Centralized Multivariable Controller Design Using Optimization</i> , pp. 5746-5751.	
Taiwo, Oluwafemi	Tech. Univ. Clausthal
Bamimore, Ayorinde	OBAFEMI AWOLOWO Univ. ILE-IFE, NIGERIA
Adeyemo, Samuel	Department of chemical engineering, obafemi awolowo Univ.
King, Rudibert	Tech. Univ. of Berlin
10:40-11:00	WeA10.3
<i>A Comparison between Internal Model Control, Optimal PIDF and Robust Controllers for Unstable Flow in Risers</i> , pp. 5752-5759.	
Jahanshahi, Esmaeil	Norwegian Univ. of Science and Tech.
de Oliveira, Vinicius	Norwegian Univ. of Science and Tech. (NTNU)
Grimholt, Chriss	Norwegian Univ. of Science and Tech. (NTNU)
Skogestad, Sigurd	Norwegian Univ. of Science & Tech.
11:00-11:20	WeA10.4
<i>Temperature Control of a Crude Oil Preheating Furnace Using a Modified Smith Predictor Improved with a Disturbance Rejection Term</i> , pp. 5760-5765.	
Rivas-Perez, Raul	Havana Pol. Univ.
Feliu, Vicente	Univ. of Castilla-La Mancha
Castillo Garcia, Fernando	Univ. de Castilla-La Mancha
Benitez-Gonzalez, Ivon	Havana Pol. Univ.
11:20-11:40	WeA10.5
<i>Event-Based PI Controller with Exponential Thresholds</i> , pp. 5766-5771.	
Beschi, Manuel	Univ. OF BRESCIA, ITALY
Dormido, Sebastián	UNED
Sánchez Moreno, José	UNED

Visioli, Antonio	Univ. of Brescia
11:40-12:00	WeA10.6
<i>Optimal DOB Design for Balancing Input/Output Disturbances Response</i> , pp. 5772-5777.	
Sun, Bo	Shanghai Jiao Tong Univ.
Zhang, Wei	shanghai jiao tong Univ.
Zhang, Weidong	Shanghai Jiaotong Univ.
WeA11	1.43 - Tibor Vamos
Decentralized Control (Regular Session)	
Chair: Iftar, Altug	Anadolu Univ.
Co-Chair: Garofalo, Franco	Univ. of Naples
10:00-10:20	WeA11.1
<i>Hierarchical Decentralized Stabilization for Networked Dynamical Systems by LQR Selective Pole Shift</i> , pp. 5778-5783.	
Nguyen, Dinh Hoa	Hanoi Univ. of Science and Tech.
Hara, Shinji	The Univ. of Tokyo
10:20-10:40	WeA11.2
<i>Balancing Cyclic Pursuit Using Proximity Sensors with Limited Range</i> , pp. 5784-5789.	
De Lellis, Pietro	Univ. of Naples "Federico II"
Garofalo, Franco	Univ. of Naples
Lo Iudice, Francesco	Univ. of Naples "Federico II"
Mancini, Giovanni	Univ. of Naples "Federico II"
10:40-11:00	WeA11.3
<i>Distributed Tracking Control for Multi-Agent Systems under Two Types of Attacks</i> , pp. 5790-5795.	
Feng, Zhi	Nanyang Tech. Univ.
Hu, Guoqiang	Nanyang Tech. Univ.
11:00-11:20	WeA11.4
<i>Inclusion Principle and Overlapping Decompositions of Distributed-Time-Delay Systems</i> , pp. 5796-5801.	
Iftar, Altug	Anadolu Univ.
11:20-11:40	WeA11.5
<i>Decentralized PID Controllers Tuning Based on Desired Dynamic Equations</i> , pp. 5802-5807.	
Li, Donghai	Tsinghua Univ.
Xue, Yali	Tsinghua Univ.
Wang, Weijie	Tsinghua Univ.
Sun, Li	Tsinghua Univ.
11:40-12:00	WeA11.6
<i>Synthesis of Decentralized Variable Gain Robust Controllers for a Class of Large-Scale Serially Connected Systems with Nonlinear Perturbations Via Piecewise Lyapunov Functions</i> , pp. 5808-5813.	
Oya, Hidetoshi	The Univ. of Tokushima
Kubo, Tomohiro	The Univ. of Tokushima
Hagino, Kojiro	Univ. of Electro-communications
WeA12	1.44 - Manfred Thoma
Wind Power I (Regular Session)	
Chair: Odgaard, Peter Fogh	Aalborg Univ.
Co-Chair: Larsen, Jesper Abildgaard	Aalborg Univ.
10:00-10:20	WeA12.1
<i>Airborne Wind Energy: Airfoil-Airmass Interaction</i> , pp. 5814-5819.	
Zanon, Mario	KU Leuven
Gros, Sebastien	Assistant Pr. Chalmers Univ. Göteborg
Meyers, Johan	K.U. Leuven
Diehl, Moritz	K.U. Leuven
10:20-10:40	WeA12.2
<i>Flatness-Based Feedforward Control of Wind Turbines Using Lidar</i> , pp. 5820-5825.	
Schlipf, David	Univ. of Stuttgart
Cheng, Po Wen	Stuttgart Chair of Wind Energy, Univ. of Stuttgart
10:40-11:00	WeA12.3
<i>Automatic Retraction Phase of Airborne Wind Energy Systems</i> , pp. 5826-5831.	

Zraggen, Aldo Urban	ETH Zürich
Fagiano, Lorenzo	ABB Schweiz Ltd.
Morari, Manfred	ETH Zurich
11:00-11:20	WeA12.4
<i>Frequency Based Fault Detection in Wind Turbines (I)</i> , pp. 5832-5837.	
Odgaard, Peter Fogh	Aalborg Univ.
Stoustrup, Jakob	Pacific Northwest National Lab.
11:20-11:40	WeA12.5
<i>H[∞] Fault Tolerant Control of Wind Turbine System with Actuator Faults</i> , pp. 5838-5843.	
Shi, Yun Tao	North China Univ. of Tech.
Kou, Qi	North China Univ. of Tech.
Sun, De Hui	North China Univ. of Tech.
Li, Zhengxi	North China Univ. of Tech.
Qiao, Shujuan	North China Univ. of Tech.
Hou, Yanjiao	North China Univ. of Tech.
11:40-12:00	WeA12.6
<i>Design Principles of Wind Turbine Inertia Emulators for Autonomous Systems (I)</i> , pp. 5844-5851.	
Papangelis, Lampros	National Tech. Univ. of Athens
Vournas, Costas D.	National Tech. Univ. of Athens
WeA13	1.61 - Boris Tamm
Application of Nonlinear Analysis and Design (Regular Session)	
Chair: Levine, Jean	Ec. des Mines, CAS
Co-Chair: Lindert, Sven-Olaf	Johannes Kepler Univ. Linz
10:00-10:20	WeA13.1
<i>On Computing Control Inputs to Achieve State Transition for a Class of Nearly Controllable Discrete-Time Bilinear Systems</i> , pp. 5852-5858.	
Tie, Lin	Beihang Univ. (Beijing Univ. of Aeronautics and Astron)
10:20-10:40	WeA13.2
<i>Quasisteady Particle Transport in Slowly Varying Periodic Streaming Flows</i> , pp. 5859-5865.	
Abrajan-Guerrero, Rodrigo	UNC Charlotte
Eldredge, Jeff	UCLA
Smith, Stuart	UNC Charlotte
Kelly, Scott David	Univ. of North Carolina at Charlotte
10:40-11:00	WeA13.3
<i>Optimal Synthesis to Inverse Problems of Dynamics</i> , pp. 5866-5871.	
Subbotina, Nina	Inst. of Mathematics and Mechanics, UrB RAS
Tokmantsev, Timofey	Institute of Mathematics and Mechanics UrB RAS
11:00-11:20	WeA13.4
<i>Hidden Periodic Oscillations in Drilling System Driven by Induction Motor</i> , pp. 5872-5877.	
Kuznetsov, Nikolay	Saint-Petersburg State Univ.
Leonov, Gennady	Saint-Peterburg State Univ.
Solovyeva, Elena	Saint-Petersburg State Univ.
Kondratyeva, Natalya	Saint-Petersburg State Pol. Univ.
Kiseleva, Maria	JYU
11:20-11:40	WeA13.5
<i>Identification and Control of an Injection Moulding Machine</i> , pp. 5878-5883.	
Lindert, Sven-Olaf	Johannes Kepler Univ. Linz
Reindl, Gerald	KEBA AG
Schlacher, Kurt	Johannes Kepler Univ. Linz
11:40-12:00	WeA13.6
<i>Shift Control of Dual Clutch Transmission Using Triple-Step Nonlinear Method</i> , pp. 5884-5889.	
Liu, Qifang	Jilin Univ.
Chen, Hong	Jilin Univ. Campus NanLing
Gao, Bingzhao	Jilin Univ.
Gao, Yuan	Jilin Univ.

WeA14	1.62 - Brian Anderson
Advanced Control Techniques for Data Storage and Scanning Probe Microscopy - I (Invited Session)	
Chair: Cherubini, Giovanni	IBM
Co-Chair: Yamaguchi, Takashi	Ricoh Company Ltd.
Organizer: Cherubini, Giovanni	IBM
Organizer: Yamaguchi, Takashi	Ricoh Company Ltd.
Organizer: Pantazi, Angeliki	IBM Res. - Zurich
10:00-10:20	WeA14.1
<i>A Modified Polynomial-Based Controller for Enhancing the Positioning Bandwidth of Nanopositioners (I)</i> , pp. 5890-5895.	
Namavar, Mohammad	Univ. of aberdeen
Aphale, Sumeet	Univ. of Aberdeen, UK
10:20-10:40	WeA14.2
<i>Tape Drive Track Following Using Cascade Control (I)</i> , pp. 5896-5901.	
Pantazi, Angeliki	IBM Res. - Zurich
Lantz, Mark	IBM
10:40-11:00	WeA14.3
<i>Position and Velocity Profile Tracking Control for New Generation Servo Track Writing (I)</i> , pp. 5902-5907.	
Lee, Youngwoo	Hanyang Univ.
Kim, Sang Hyun	Hanyang Univ.
Lee, Seung-Hi	Hanyang Univ.
Lee, Chung Woo	Seagate Korea Design Center
Chung, Chung Choo	Hanyang Univ.
11:00-11:20	WeA14.4
<i>A Non-Raster Scanning Approach in Atomic Force Microscopy Using a Combined Contour Prediction Algorithm (I)</i> , pp. 5908-5913.	
Zhang, Kaiqiang	Univ. of Bristol
Herrmann, Guido	Univ. of Bristol
Edwards, Christopher	Univ. of Exeter
Burgess, Stuart	Univ. of Bristol
Miles, Mervyn	Univ. of Bristol
11:20-11:40	WeA14.5
<i>Coupling between the In-Plane and Lateral Tape Dynamics in High Capacity Linear Tape Transport Systems (I)</i> , pp. 5914-5920.	
Yang, Hankang	Northeastern Univ.
Muftu, Sinan	Northeastern Univ.
WeA15	1.63 - Stephen Kahne
Estimation and Filtering V (Regular Session)	
Chair: Niedzwiecki, Maciej Jan	Gdansk Univ. of Tech.
Co-Chair: Hacizade, Cengiz	Istanbul Tech. Univ.
10:00-10:20	WeA15.1
<i>Simultaneous Adaptation of the Process and Measurement Noise Covariances for the UKF Applied to Nanosatellite Attitude Estimation</i> , pp. 5921-5926.	
Soken, Halil Ersin	The Graduate Univ. for Advanced Studies
Hacizade, Cengiz	Istanbul Tech. Univ.
Sakai, Shin-ichiro	Japan Aerospace Exploration Agency
10:20-10:40	WeA15.2
<i>Adaptive Filtering Approach to Dynamic Weighing: A Checkweigher Case Study</i> , pp. 5927-5932.	
Meller, Michal	Gdansk Univ. of Tech. Faculty of Electronics,Telecomm
Niedzwiecki, Maciej Jan	Gdansk Univ. of Tech.
Pietrzak, Przemyslaw	West Pomeranian Univ. of Tech.
10:40-11:00	WeA15.3
<i>Design of Pure Propagation Unscented Kalman Filter</i> , pp. 5933-5938.	
Straka, Ondrej	Univ. of West Bohemia
Dunik, Jindrich	Univ. of West Bohemia
Simandl, Miroslav	Univ. of West Bohemia
11:00-11:20	WeA15.4
<i>Receding Horizon Estimation of Arbitrarily Changing Unknown Inputs</i> , pp. 5939-5944.	
Mustata, Ruxandra Ioana	Delft Univ. of Tech.

Verhaegen, Michel	Delft Univ. of Tech.
Ohlsson, Henrik	Linköping Univ.
Gustafsson, Fredrik	Linköping Univ.
11:20-11:40	WeA15.5
<i>Adaptive Cubature Strong Tracking Information Filter Using Variational Bayesian Method</i> , pp. 5945-5950.	
Ge, Quanbo	Hangzhou Dianzi Univ.
Wen, Chenglin	Hangzhou Dianzi Univ.
Chen, Shaodong	Luoyang Inst. of Electro Optical Equipment of AVIC
Sun, Ruoyu	Univ. of Minnisota
Li, Yuan	Shenyang Inst. of Chemical Tech.
11:40-12:00	WeA15.6
<i>Sigma-Point Set Rotation in Unscented Kalman Filter: Analysis and Adaptation</i> , pp. 5951-5956.	
Dunik, Jindrich	Univ. of West Bohemia
Straka, Ondrej	Univ. of West Bohemia
Simandl, Miroslav	Univ. of West Bohemia
WeA16	1.64 - Yong-Zai Lu
Learning and Adaptive Control (Regular Session)	
Chair: Petersen, Ian R	Univ. of New SouthWalesattheAustralianDefenceForceAcademy
Co-Chair: Shah, Sirish L.	Univ. of Alberta
10:00-10:20	WeA16.1
<i>A Model Free Approach for Online Stiction Compensation</i> , pp. 5957-5962.	
Arifin, B M Sirajeel	CME Department, Univ. of Alberta, Edmonton, Alberta, Canada
Munaro, Celso Jose	Federal Univ. of Espirito Santo
Choudhury, M.A.A. Shoukat	Bangladesh Univ. of Engineering Tech.
Shah, Sirish L.	Univ. of Alberta
10:20-10:40	WeA16.2
<i>Entanglement Generation in Uncertain Quantum Systems Using Sampling-Based Learning Control</i> , pp. 5963-5968.	
Mabrok, Mohamed Abdalla	Univ. of New South Wales
Petersen, Ian R	Univ. of New SouthWalesattheAustralianDefenceForceAcademy
Dong, Daoyi	Univ. of New South Wales attheAustralianDefenceForceAcademy
Chen, Chunlin	Nanjing Univ.
10:40-11:00	WeA16.3
<i>Implicit Dual Adaptive Control for Systems with Functional Uncertainties</i> , pp. 5969-5974.	
Kral, Ladislav	Univ. of West Bohemia
Simandl, Miroslav	Univ. of West Bohemia
Flidr, Miroslav	Univ. of West Bohemia
11:00-11:20	WeA16.4
<i>Model Correction Mechanism for Nonlinear Time Variant Systems As Support to Predictive Control Strategies</i> , pp. 5975-5980.	
Pérez-Castro, Agustín	National Distance Education Univ.
Sánchez Moreno, José	UNED
Guzman, Jose Luis	Univ. of Almeria
11:20-11:40	WeA16.5
<i>Experimental Validation of Robust Iterative Learning Control on an Overhead Crane Test Setup</i> , pp. 5981-5986.	
Son, Tong Duy	KU Leuven
Pipeleers, Goele	Katholieke Univ. Leuven
Swevers, Jan	K. U. Leuven
WeA17	Marco Polo
Stability of Hybrid Systems I (Regular Session)	
Chair: Lazar, Mircea	Eindhoven Univ. of Tech.
Co-Chair: Bhikkaji, Bharath	Indian Inst. of Tech. Madras
10:00-10:20	WeA17.1
<i>Stability Analysis of Impulsive Positive Systems</i> , pp. 5987-5991.	
Zhang, Ji-Shi	Huazhong Univ. of Science and Tech.
Wang, Yan-Wu	Huazhong Univ. of Science and Tech.
Xiao, Jiang-Wen	Huazhong Univ. of Science and Tech.

Guan, Zhi-Hong	Huazhong Univ. of Science and Tech.
10:20-10:40	WeA17.2
<i>On Complexity of Lyapunov Functions for Switched Linear Systems</i> , pp. 5992-5997.	
Ahmadi, Amir Ali	MIT
Jungers, Raphaël M.	Univ. catholique de Louvain
10:40-11:00	WeA17.3
<i>Relaxing Global Decrease Conditions in Lyapunov Theorems for Hybrid Systems</i> , pp. 5998-6006.	
Shia, Victor	Univ. of California, Berkeley
Matthew, Robert Peter	UC Berkeley
Vasudevan, Ramanarayan	Univ. of California Berkeley
Bajcsy, Ruzena	Univ. of California Berkeley
11:00-11:20	WeA17.4
<i>A Unified Study of Stability for Switched Linear Systems</i> , pp. 6007-6012.	
Athanasopoulos, Nikolaos	Eindhoven Univ. of Tech.
Lazar, Mircea	Eindhoven Univ. of Tech.
11:20-11:40	WeA17.5
<i>Finite-Time Stability Analysis of Switched Linear Singular Systems</i> , pp. 6013-6018.	
Xia, Biao	Dalian Univ. of Tech.
Lian, Jie	Dalian Univ. of Tech.
Shao, Cheng	Dalian Univ. of Tech.
Shi, Peng	Univ. of Adelaide
11:40-12:00	WeA17.6
<i>Hybrid Systems with Memory: Modelling and Stability Analysis Via Generalized Solutions</i> , pp. 6019-6024.	
Liu, Jun	Univ. of Sheffield
Teel, Andrew R.	Univ. of California at Santa Barbara
WeA18	2.43 - Pedro Albertos
Optimal Control Theory II (Regular Session)	
Chair: Rodrigues, Luis	Concordia Univ.
Co-Chair: Chen, Dijian	Nagoya Univ.
10:00-10:20	WeA18.1
<i>Joint Selection Criterion for Optimal Trajectory Planning for Robotic Manipulators Using Dynamic Programming</i> , pp. 6025-6031.	
Shareef, Zeeshan	Univ. of Paderborn
Trächtler, Ansgar	Univ. of Paderborn
10:20-10:40	WeA18.2
<i>Kernel Representation Approach to Persistence of Behavior</i> , pp. 6032-6037.	
Memon, Abdul Basit	Georgia Inst. of Tech.
Verriest, Erik I.	Georgia Inst. of Tech.
10:40-11:00	WeA18.3
<i>An Optimal Control Approach to Decentralized Energy-Efficient Coverage Problems</i> , pp. 6038-6043.	
Moarref, Miad	Concordia Univ.
Rodrigues, Luis	Concordia Univ.
11:00-11:20	WeA18.4
<i>Discrete-Time Linear Quadratic Optimal Control with Fixed and Free Terminal State Via Double Generating Functions</i> , pp. 6044-6049.	
Chen, Dijian	Nagoya Univ.
Hao, Zhiwei	Nagoya Univ.
Fujimoto, Kenji	Kyoto Univ.
Suzuki, Tatsuya	Nagoya Univ.
11:20-11:40	WeA18.5
<i>Robust High Order Sliding Mode Optimization for Linear Time Variant Systems</i> , pp. 6050-6055.	
Jimenez-Lizarraga, Manuel	Autonomous Univ. of Nuevo León, México.
Ibarra, Efrain	UANL
11:40-12:00	WeA18.6
<i>Performance Portrait - a 3D Approach</i> , pp. 6056-6061.	
Soós, David	Slovak Univ. of Tech. in Bratislava, Faculty of Electr
Huba, Mikulas	Slovak Univ. of Tech.

WeA19		2.46 - Vladimir Kucera
Delay and Fractional Order Systems (Regular Session)		
Chair: Lampe, Bernhard P.		Univ. of Rostock
Co-Chair: Ergenc, Ali F.		Istanbul Tech. Univ.
10:00-10:20		WeA19.1
<i>Sufficient Conditions for Exponential Stabilization of Linear Distributed Parameter Systems with Time Delays</i> , pp. 6062-6067.		
Wang, Jun-Wei		Univ. of Science and Tech. Beijing
Sun, Changyin		Southeast Univ.
Xin, Xin		Okayama Prefectural Univ.
Mu, Chao-Xu		Tianjin Univ.
10:20-10:40		WeA19.2
<i>Characteristic Equation for Linear Periodic Systems with Distributed Delay</i> , pp. 6068-6073.		
Lampe, Bernhard P.		Univ. of Rostock
Rosenwasser, Efim N.		Marine Tech. Univ. of Saint Petersburg
Kurowski, Martin		Univ. of Rostock
10:40-11:00		WeA19.3
<i>An Experimental Study for Delay-Independent State-Feedback Controller Design</i> , pp. 6074-6079.		
Ergenc, Ali F.		Istanbul Tech. Univ.
Alikoc, Baran		Istanbul Tech. Univ.
11:00-11:20		WeA19.4
<i>Robust Stability and Stabilization of Uncertain Fractional-Order Descriptor Nonlinear System</i> , pp. 6080-6085.		
Yin, Chun		Univ. of Electronic Science and Tech. of China, Chengdu
Chen, YangQuan		Univ. of California, Merced
Zhong, Shouming		Coll. of Applied Mathematics, Univ. of Electronic Science
11:20-11:40		WeA19.5
<i>Observer-Based Fuzzy Control for Nonlinear Fractional-Order Systems Via Fuzzy T-S Models: The $1 < \alpha < 2$ Case</i> , pp. 6086-6091.		
Gao, Zhe		Liaoning Univ.
Xiaozhong, Liao		Beijing Inst. of Tech.
WeA20		2.63 - Wook Hyun Kwon
Real-Time Algorithms, Scheduling and Programming (Regular Session)		
Chair: Saglietti, Francesca		Univ. of Erlangen-Nuremberg
Co-Chair: Arzen, Karl-Erik		Lund Inst. of Tech.
10:00-10:20		WeA20.1
<i>Identification of Design Patterns for IEC 61131-3 in Machine and Plant Manufacturing</i> , pp. 6092-6097.		
Fuchs, Julia		Tech. Univ. München
Feldmann, Stefan		Tech. Univ. München
Legat, Christoph		Tech. Univ. München
Vogel-Heuser, Birgit		Tech. Univ. of Munich
10:20-10:40		WeA20.2
<i>Response Time Driven Design of Control Systems</i> , pp. 6098-6104.		
Xu, Yang		Lund Inst. of Tech.
Arzen, Karl-Erik		Lund Inst. of Tech.
Bini, Enrico		Scuola Superiore Sant'Anna
Cervin, Anton		Lund Univ.
10:40-11:00		WeA20.3
<i>Granular Computing Concept Based Long-Term Prediction of Gas Tank Levels in Steel Industry</i> , pp. 6105-6110.		
Han, Zhongyang		Dalian Univ. of Tech.
Zhao, Jun		Dalian Univ. of Tech.
Wang, Wei		Dalian Univ. of Tech.
Liu, Ying		Dalian Univ. of Tech.
Liu, Quanli		Dalian Univ. of Tech.
11:00-11:20		WeA20.4
<i>Enabling Predictive Maintenance Using Semi-Supervised Learning with Reg-D Transformer Data</i> , pp. 6111-6116.		
Du Toit, Jaco		Escom

11:20-11:40	WeA20.5
<i>A Control-Inspired Iterative Algorithm for Memory Management in NUMA Multicores</i> , pp. 6117-6122.	
Farina, Marcello	Pol. di Milano
Zoni, Davide	Pol. di Milano
William, Fornaciari	DEIB - Pol. di Milano

WeA21	2.64 - Alberto Isidori
Robust Estimation and Control (Regular Session)	

Chair: Kugi, Andreas	Vienna Univ. of Tech.
Co-Chair: Karimi, Alireza	Ec. Pol. Federale de Lausanne

10:00-10:20	WeA21.1
<i>Billiard Walk - a New Sampling Algorithm for Control and Optimization</i> , pp. 6123-6128.	
Polyak, Boris T.	Moscow Inst. of Control Sciences
Gryazina, Elena	Inst. for Control Sciences Russian Acad. of Sciences

10:20-10:40	WeA21.2
<i>Self-Scheduled Control of a Gyroscope</i> , pp. 6129-6134.	
Theis, Julian	Hamburg Univ. of Tech.
Radisch, Christian	Hamburg Univ. of Tech.
Werner, Herbert	Hamburg Univ. of Tech.

10:40-11:00	WeA21.3
<i>LPV Gain-Scheduling Control for a Phase-Shifted PWM Full-Bridge Soft Switched Converter</i> , pp. 6135-6140.	
Chen, Chih-Chieh	National Chung Hsing Univ.
Chen, Cheng-Lun	National Chung Hsing Univ.
Chang, Jing-Xie	National Chung Hsing Univ.
Yang, Cheng-Fu	National Chung Hsing Univ.

11:00-11:20	WeA21.4
<i>Robust Performance Analysis of Affine Single Parameter-Dependent Systems with Polynomially Parameter-Dependent Lyapunov Matrices</i> , pp. 6141-6146.	
Sadabadi, Mahdieh Sadat	Ec. Pol. Federale de Lausanne (EPFL)
Karimi, Alireza	Ec. Pol. Federale de Lausanne

11:20-11:40	WeA21.5
<i>Linear Parameter-Varying Control of Complex Mechanical Systems</i> , pp. 6147-6152.	
Hoffmann, Christian	Hamburg Univ. of Tech.
Werner, Herbert	Hamburg Univ. of Tech.

11:40-12:00	WeA21.6
<i>Fast Algorithm of Robust Kalman Filter Via L1 Regression by a Closed Form Solution</i> , pp. 6153-6158.	
Kaneda, Yasuaki	Tokyo Inst. of Tech.
Irizuki, Yasuharu	Tokyo Metropolitan Industrial Tech. Res. Inst.
Yamakita, Masaki	Tokyo Inst. of Tech.

WeA22	2.65 - Ian Craig
Balancing and Sequencing in Assembly and Machining Lines (Invited Session)	

Chair: Dolgui, Alexandre	Ec. Nationale Supérieure des Mines de Saint-Etienne
Co-Chair: Grzechca, Waldemar	The Silesian Univ. of Tech.
Organizer: Bukchin, Yossi	Tel Aviv Univ.
Organizer: Dolgui, Alexandre	Ec. Nationale Supérieure des Mines de Saint-Etienne
Organizer: Lolli, Francesco	Univ. of Modena and Reggio Emilia

10:00-10:40	WeA22.1
<i>A Survey on Cost and Profit Oriented Assembly Line Balancing (I)</i> , pp. 6159-6167.	
Hazir, Oncu	TED Univ.
Delorme, Xavier	Ec. Nationale Supérieure des Mines de Saint-Etienne
Dolgui, Alexandre	Ec. Nationale Supérieure des Mines de Saint-Etienne

10:40-11:00	WeA22.2
<i>Application of Simple Genetic Algorithm to U-Shaped Assembly Line Balancing Problem of Type II (I)</i> , pp. 6168-6173.	
Jonnalagedda, Venkatesh	Shri Guru Gobind Singhji Inst. of Engineering and Tech.
Dabade, Balaji	Shri Guru Gobind Singhji Inst. of Engineering and Tech.

11:00-11:20	WeA22.3
<i>Car Sequencing with Respect to Regular Expressions and Linear Bounds (I)</i> , pp. 6174-6179.	
Drótos, Márton	MTA SZTAKI
Tamas, Kis	Inst. for Computer Science and Control
11:20-11:40	WeA22.4
<i>Assembly Line Balancing Problem with Reduced Number of Workstations (I)</i> , pp. 6180-6185.	
Grzechca, Waldemar	The Silesian Univ. of Tech.
11:40-12:00	WeA22.5
<i>An Artificial Immune Systems (AIS)-Based Unified Framework for General Job Shop Scheduling</i> , pp. 6186-6191.	
Lau, Henry	The Univ. of Hong Kong
WeA23	2.66
Industrial Biotechnology (Regular Session)	
Chair: Huusom, Jakob Kjøbsted	Tech. Univ. of Denmark
Co-Chair: Dochain, Denis	Univ. Catholique de Louvain
10:00-10:20	WeA23.1
<i>Control of a Multi-Stage Continuous Fermentor for the Study of the Wine Fermentation</i> , pp. 6192-6197.	
Casenave, Céline	INRA
Dochain, Denis	Univ. Catholique de Louvain
Harmand, Jérôme	INRA
Perez, Marc	INRA
Rapaport, Alain	INRA
Sablayrolles, Jean Marie	INRA
10:20-10:40	WeA23.2
<i>Reduction of Metabolic Models by Polygons Optimization Method Applied to Bioethanol Production with Co-Substrates</i> , pp. 6198-6203.	
Robles Rodriguez, Carlos Eduardo	INSA, INRA
Bideaux, Carine	Univ. de Toulouse ; UPS, INSA, INP, LISBP ; F-31077Toulouse
Gaucel, Sébastien	INRA Grignon
Laroche, Béatrice	INRA
Gorret, Nathalie	INSA Toulouse
Aceves-Lara, Cesar-Arturo	INSA
10:40-11:00	WeA23.3
<i>Fed-Batch Feeding Strategies for Enzymatic Biodiesel Production</i> , pp. 6204-6209.	
Price, Jason	Tech. Univ. of Denmark
Nordblad, Mathias	Tech. Univ. of Denmark
Woodley, John M.	Tech. Univ. of Denmark
Huusom, Jakob Kjøbsted	Tech. Univ. of Denmark
11:00-11:20	WeA23.4
<i>Optimization of Lipid Production by Oleaginous Yeast in Continuous Culture</i> , pp. 6210-6215.	
Muñoz-Tamayo, Rafael	INRA, INSA
Bideaux, Carine	Univ. de Toulouse ; UPS, INSA, INP, LISBP ; F-31077Toulouse
Aceves-Lara, Cesar-Arturo	INSA
11:20-11:40	WeA23.5
<i>Growth Rate Estimation of Algae in Raceway Ponds: A Novel Approach</i> , pp. 6216-6221.	
Hartmann, Philipp	INRIA
Demory, David	UPMC, BP 28, Chemin du Lazaret, 06234 Villefranche sur Mer
Combe, Charlotte	UPMC, BP 28, Chemin du Lazaret, 06234 Villefranche sur Mer
Hamouda, Raouf	INRIA Paris-Rocquencourt Domaine de Voluceau, B.P. 105, 78153 Le
Boullanger, Anne-Céline	INRIA Paris-Rocquencourt Domaine de Voluceau, B.P. 105, 78153 Le
Bristeau, Marie-Odile	INRIA Paris-Rocquencourt Domaine de Voluceau, B.P. 105, 78153 Le
Sainte-Marie, Jacques	INRIA Paris-Rocquencourt Domaine de Voluceau, B.P. 105, 78153 Le
Sialve, Bruno	INRA, UR050, Lab. de Biotechnologie de l'Environnement, A
Steyer, Jean-Philippe	INRA
Rabouille, Sophie	CNRS

Sciandra, Antoine	LOV
Bernard, Olivier	INRIA
11:40-12:00	WeA23.6
<i>Control of an Industrial Scale Bioreactor Using a PAT Analyser</i> , pp. 6222-6227.	
Goldrick, Stephen	Newcastle Univ.
Montague, Gary	Newcastle Univ.
Lovett, David	Perceptive Engineering, Daresbury Innovation Centre, Daresbury, C
Lennox, Barry	Univ. of Manchester

WeA24	Francis Drake
Modeling and Control of Water Systems (Regular Session)	

Chair: Puig, Vicenc	Univ. Pol. de Catalunya
Co-Chair: van Nooijen, Ronald Robert Paul	Delft Univ. of Tech.

10:00-10:20	WeA24.1
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On the Comparison of Predictive Control and Command Governor Approaches for Operational Control of Drinking Water Networks: A Case Study, pp. 6228-6233.

Tedesco, Francesco	Univ. degli Studi della Calabria
Ocampo-Martinez, Carlos	Tech. Univ. of Catalonia (UPC)
Casavola, Alessandro	Univ. Della Calabria
Puig, Vicenc	Univ. Pol. de Catalunya

10:20-10:40	WeA24.2
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Universal Approximators for Direct Policy Search in Multi-Purpose Water Reservoir Management: A Comparative Analysis, pp. 6234-6239.

Giuliani, Matteo	Pol. di Milano
Mason, Emanuele	Pol. di Milano
Castelletti, Andrea	Pol. di Milano
Pianosi, Francesca	Pol. di Milano
Soncini-Sessa, Rodolfo	Pol. di Milano

10:40-11:00	WeA24.3
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On the Assessment of Tree-Based and Chance-Constrained Predictive Control Approaches Applied to Drinking Water Networks, pp. 6240-6245.

Grosso, Juan Manuel	Inst. de Robòtica i Informàtica Industrial (IRI CSIC-UPC)
Maestre, Jose M.	Univ. of Seville
Ocampo-Martinez, Carlos	Tech. Univ. of Catalonia (UPC)
Puig, Vicenc	Univ. Pol. de Catalunya

11:00-11:20	WeA24.4
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Combining CSP and MPC for the Operational Control of Water Networks: Application to the Richmond Case Study, pp. 6246-6251.

Sun, Cong Cong	IRI-UPC
Puig, Vicenc	Univ. Pol. de Catalunya
Cembrano, Gabriela	UPC

11:20-11:40	WeA24.5
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Improving the Protection of Aquatic Ecosystems by Dynamically Constraining Reservoir Operation Via Direct Policy Conditioning, pp. 6252-6257.

Giuliani, Matteo	Pol. di Milano
Castelletti, Andrea	Pol. di Milano
Reed, Patrick	Pennsylvania State Univ.

WeA25	Poster area
Interactive Session on Automotive Control (Interactive Session)	

Chair: Anwar, Sohel	Purdue School of Engr. & Tech.
Co-Chair: Rizzo, Gianfranco	Univ. of Salerno

10:00-12:00	WeA25.1
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Distributed Thermal-Electrochemical Modeling of a Lithium-Ion Battery to Study the Effect of High Charging Rates (I), pp. 6258-6263.

Anwar, Sohel	Purdue School of Engr. & Tech.
Zou, Changfu	Univ. of Melbourne
Manzie, Chris	The Univ. of Melbourne

10:00-12:00	WeA25.2
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<i>Efficiency Analysis of a Continuously Variable Transmission with Linear Control for a Series Hybrid Electric Vehicle (I)</i> , pp. 6264-6269.	
Shabbir, Wassif	Imperial Coll. London
Evangelou, Simos	Imperial Coll.
10:00-12:00	WeA25.3
<i>Simultaneous Optimization of Energy Consumption and Train Performances in Electric Railway Systems</i> , pp. 6270-6275.	
Bigharaz, Mohammad Hossein	amirkabir Univ. of Tech.
Afshar, Ahmad	Amir-kabir Univ. of Tech.
Suratgar, Amir abolfazl	amirkabir Univ. of Tech.
Safaei, Farhad	amirkabir Univ. of Tech.
10:00-12:00	WeA25.4
<i>Individual Driver Modeling Via Optimal Selection of Steering Primitives</i> , pp. 6276-6282.	
Flad, Michael	Karlsruhe Inst. of Tech.
Trautmann, Clemens	KIT
Diehm, Gunter	Karlsruhe Inst. of Tech.
Hohmann, Soeren	KIT
10:00-12:00	WeA25.5
<i>Feed-Forward Control of a Vehicle with Single-Wheel Actuators</i> , pp. 6283-6288.	
Moseberg, Jan-Erik	Friedrich-Alexander Univ. Erlangen-Nürnberg
Roppenecker, Günter	Friedrich-Alexander Univ. Erlangen-Nürnberg
10:00-12:00	WeA25.6
<i>Control of Spark Ignition IC Engines Operating on Alternative Fuel Mixtures</i> , pp. 6289-6294.	
Beresnev, Maksim	Southern Federal Univ.
Beresnev, Aleksey	Southern Federal Univ.
10:00-12:00	WeA25.7
<i>Road Slope Estimation in Bicycles without Torque Measurements</i> , pp. 6295-6300.	
Corno, Matteo	Pol. di Milano
Spagnol, Pierfrancesco	Ohio State Univ.
Savaresi, Sergio	Pol. di Milano
10:00-12:00	WeA25.8
<i>Manoeuvre Generation and Control for Automated Highway Driving</i> , pp. 6301-6306.	
Nilsson, Julia	Volvo Car Corp. Chalmers Univ. of Tech.
Gao, Yiqi	Univ. of California, Berkeley
Carvalho, Ashwin	Univ. of California, Berkeley
Borrelli, Francesco	Univ. of California
10:00-12:00	WeA25.9
<i>Comparison of Heuristic Controllers for an Automotive Semi-Active Suspension</i> , pp. 6307-6312.	
Tudon-Martinez, Juan Carlos	Tecnológico de Monterrey, campus Monterrey
Morales-Menendez, Ruben	Tecnologico de Monterrey, Campus Monterrey
Ramírez-Mendoza, Ricardo A.	Tecnológico de Monterrey, Mexico City Campus
Amezquita-Brooks, Luis Antonio	Univ. Autonoma de Nuevo Leon
10:00-12:00	WeA25.10
<i>Networked Fuzzy Control for Vehicle Lateral Dynamic with Limited Communication</i> , pp. 6313-6318.	
Latrech, Chedia	Univ. of Picardie Jules Verne
Kchaou, Mourad	UCPI, National School of Engineers of Sfax
Rabhi, Abdelhamid	M.I.S (Modelisation, Information et Systèmes)
El hajjaji, Ahmed	Univ. de Picardie Jules Verne
10:00-12:00	WeA25.11
<i>Towards Lane-Keeping Electronic Stability Control for Road-Vehicles</i> , pp. 6319-6325.	
Lundahl, Kristoffer	Linköping Univ.
Olofsson, Bjorn	Lund Univ.
Berntorp, Karl	Lund Univ.
Aaslund, Jan	Linköping Univ.
Nielsen, Lars	Linköping Univ.
10:00-12:00	WeA25.12
<i>Design of Triple-Level Multiple Models Fuzzy Logic Controller for Adaptive Speed Control with Unknown External Disturbances</i> , pp. 6326-6331.	
Wang, Yu	Yale Univ.

10:00-12:00	WeA25.13
<i>Incentive Based Multi-Objective Optimization in Electric Vehicle Navigation Including Battery Charging</i> , pp. 6332-6337.	
Hayakawa, Tomohisa	Tokyo Inst. of Tech.
Ishikawa, Kyohei	Tokyo Inst. of Tech.
Imura, Jun-ichi	Tokyo Inst. of Tech.
Tanaka, Hideaki	DENSO Corp.
Toyoshima, Masumi	DENSO Corp.
Iwai, Akihito	Denso International America, Inc.
10:00-12:00	WeA25.14
<i>Study on Shared Control between Driver and Active Steering Control System in Emergency Obstacle Avoidance Situations Using Driving Simulator</i> , pp. 6338-6343.	
Raksincharoensak, Pongsathorn	Tokyo Univ. of Agriculture and Tech.
Iwano, Kou	Tokyo Univ. of Agriculture and Tech.
Nagai, Masao	Tokyo Univ. of Agriculture and Tech.
10:00-12:00	WeA25.15
<i>Human-Machine Interaction in Automated Vehicle : The ABV Project</i> , pp. 6344-6349.	
Sentouh, Chouki	Univ. of Valenciennes
Popieul, Jean-Christophe	Univ. of Valenciennes/LAMIH
Debernard, Serge	Univ. of Valenciennes
Boverie, Serge	Continental Automotive France
10:00-12:00	WeA25.16
<i>Extracting Mobile Machine Routes from GPS Traces</i> , pp. 6350-6354.	
Laurikkala, Mikko	Tampere Univ. of Tech.
Vilkko, Matti Kalervo	Tampere Univ. of Tech.
WeL09	1.41 - Uolevi Luoto
Innovative Teaching in Preparing Tomorrow's Scientists and Engineers for Challenges and Opportunities of the 21st Century (Panel Session)	
Chair: Pasik-Duncan, Bozenna	Univ. of Kansas
Co-Chair: Mareels, Iven	The Univ. of Melbourne
12:00-13:30	WeL09.1
<i>Innovative Teaching in Preparing Tomorrow's Scientists and Engineers for Challenges and Opportunities of the 21st Century*</i> .	
Pasik-Duncan, Bozenna	Univ. of Kansas
Mareels, Iven	The Univ. of Melbourne
WeB01	Ballroom East - Harold Chestnut
Control of Microgrids (Regular Session)	
Chair: Aldeen, Mohammad	The Univ. of Melbourne
Co-Chair: Long, Chengnian	Shanghai Jiao Tong Univ.
13:30-13:50	WeB01.1
<i>Multiagent System Architecture for Short-Term Operation of Integrated Microgrids</i> , pp. 6355-6360.	
Ghazvini, Mohammad	Pol. of Porto
Abedini, Reza	Pol. of Porto
Pinto, Tiago	Pol. of Porto
Vale, Zita	Pol. Inst. of Porto
13:50-14:10	WeB01.2
<i>Stability of Synchronized Motions of Inverter-Based Microgrids under Droop Control</i> , pp. 6361-6367.	
Schiffer, Johannes	Tech. Univ. Berlin
Ortega, Romeo	Supélec
Astolfi, Alessandro	Imperial Col. London & Univ. of Rome Tor Vergata
Raisch, Joerg	Tech. Univ. Berlin
Sezi, Tefvik	Siemens AG
14:10-14:30	WeB01.3
<i>Islanded Operation of Microgrids with Inverter Connected Renewable Energy Resources (I)</i> , pp. 6368-6373.	
Pota, Hemanshu	Univ. of New South Wales
Hossain, Md. Jahangir	Griffith Univ.
Mahmud, Md. Apel	Swinburne Univ. of Tech.

Gadh, Rajit	UCLA
Bansal, Ramesh	up.ac.za
14:30-14:50	WeB01.4
<i>Reliability-Aware Energy Scheduling for Microgrids</i> , pp. 6374-6379.	
Shao, Limin	Shanghai Jiao Tong Univ.
Wu, Jing	Shanghai Jiao Tong Univ.
Long, Chengnian	Shanghai Jiao Tong Univ.
14:50-15:10	WeB01.5
<i>Fault Tolerant Power Balancing Strategy in an Isolated Microgrid Via Optimization</i> , pp. 6380-6385.	
Krishnadas, Dhruva R	Indian Inst. of Tech. Hyderabad
Detroja, Ketan P	Indian Inst. of Tech. Hyderabad, Yeddumailaram, Andhra P
15:10-15:30	WeB01.6
<i>Fuel Optimal Control with Service Reliability Constraints for Ship Power Systems</i> , pp. 6386-6391.	
Kwatny, Harry	Drexel Univ.
Bajpai, Gaurav	Tech. Inc.
Yasar, Murat	Pennsylvania State Univ.
Miu, Karen	Drexel Univ.
WeB02	Ballroom West - Aleksander Letov
Stability of Hybrid Systems II (Regular Session)	
Chair: Lazar, Mircea	Eindhoven Univ. of Tech.
Co-Chair: Liu, Jun	Univ. of Sheffield
13:30-13:50	WeB02.1
<i>Switching Based Limit Cycle Control for Compliantly Actuated Second-Order Systems</i> , pp. 6392-6399.	
Lakatos, Dominic	German Aerospace Center (DLR)
Albu-Schaeffer, Alin	German Aerospace Center (DLR)
13:50-14:10	WeB02.2
<i>Improving L2 Gain Performance of Linear Systems by Reset Control</i> , pp. 6400-6405.	
Zhao, Guanglei	Shanghai JiaoTong Univ.
Nesic, Dragan	Univ. of Melbourne
Tan, Ying	The Univ. of Melbourne
Wang, Jingcheng	Shanghai JiaoTong Univ.
14:10-14:30	WeB02.3
<i>Stability and Bifurcation Analysis of Planar Piecewise Affine Systems</i> , pp. 6406-6411.	
Iwaki, Takuya	JGC Corp.
Hayakawa, Tomohisa	Tokyo Inst. of Tech.
14:30-14:50	WeB02.4
<i>Stability Analysis of Switched Systems with 'Mixed'-Negative Imaginary Property</i> , pp. 6412-6417.	
Sanjeevini, Sneha	Indian Inst. of Tech. Madras
Bhikkaji, Bharath	Indian Inst. of Tech. Madras
Moheimani, S.O. Reza	Univ. of Newcastle
14:50-15:10	WeB02.5
<i>State Feedback Controller Design for a Class of Linear Switched Systems with Uncontrollable Subsystems</i> , pp. 6418-6423.	
Zhang, Jie	Fudan Univ.
Wang, Xingxuan	Fudan Univ.
15:10-15:30	WeB02.6
<i>Simple Tracking Output Feedback H_{∞} Control for Switched Linear Systems: Lateral Vehicle Control Application</i> , pp. 6424-6429.	
Menhour, Lghani	École des Mines de Paris
Koenig, D.	Inpg - Esisar
D'Andrea-Novel, Brigitte	Ec. des Mines de Paris
WeB03	Auditorium 2 - Eduard Gerecke
Estimation of Mechanical and Energy Systems (Regular Session)	
Chair: Bitmead, Robert	Univ. of California San Diego
Co-Chair: Oomen, Tom	Eindhoven Univ. of Tech.

13:30-13:50	WeB03.1
<i>Direct Continuous-Time Model Identification of High-Powered Light-Emitting Diodes from Rapidly Sampled Thermal Step Response Data</i> , pp. 6430-6435.	
Garnier, Hugues	Univ. de Lorraine
Bitmead, Robert	Univ. of California San Diego
de Callafon, Raymond	Univ. of California, San Diego
13:50-14:10	WeB03.2
<i>Subspace Predictive Repetitive Control with Reduced-Dimension Identification for Wind Turbine Individual Pitch Control</i> , pp. 6436-6441.	
Navalkar, Sachin	Delft Univ. of Tech.
van Wingerden, Jan-Willem	Delft Univ. of Tech.
Oomen, Tom	Eindhoven Univ. of Tech.
14:10-14:30	WeB03.3
<i>Investigation of Small Scale Helicopter Servo-Actuator Performance Using Frequency Sampling Filters</i> , pp. 6442-6447.	
Gladysz, Bartosz	RMIT Univ.
Wang, Liuping	RMIT Univ.
14:30-14:50	WeB03.4
<i>Modelling of HEV Lithium-Ion High Voltage Battery Pack Using Dynamic Data</i> , pp. 6448-6453.	
Junnuri, Rameshkumar	Tata Consultancy Services Limited
Kamat, Shivaram	Tata Consultancy Services Limited
Goyal, Nitin	Tata Consultancy Services Limited
Annamalai, Ramanathan	Tata Consultancy Services Limited
Modak, Dipali	Tata Consultancy Services Limited
Tashiro, Hiroshi	DENSO Corp.
Miwa, Nobuya	DENSO Corp.
14:50-15:10	WeB03.5
<i>Identifiability of Physical Parameters in Systems with Limited Sensors</i> , pp. 6454-6459.	
Linder, Jonas	Linköping Univ.
Enqvist, Martin	Linköping Univ.
Gustafsson, Fredrik	Linköping Univ.
Sjöberg, Johan	Corp. Res. ABB AB
15:10-15:30	WeB03.6
<i>Position and Velocity Estimation through Acceleration Measurements</i> , pp. 6460-6465.	
Estrada, Antonio	Inria Lille - Nord Europe
Efimov, Denis	INRIA - LNE
Perruquetti, Wilfrid	Ec. Centrale de Lille
WeB04	Roof Terrace - John Coales
Networked Control with Time Delay (Regular Session)	
Chair: Heemels, Maurice	Eindhoven Univ. of Tech.
Co-Chair: Jungers, Raphaël M.	Univ. catholique de Louvain
13:30-13:50	WeB04.1
<i>On the Stabilizability of Continuous-Time Systems Over a Packet Based Communication System with Loss and Delay</i> , pp. 6466-6471.	
Blind, Rainer	Univ. of Stuttgart
Allgower, Frank	Univ. of Stuttgart
13:50-14:10	WeB04.2
<i>Further Results on Controllability of Linear Systems with Switching Delays</i> , pp. 6472-6477.	
Jungers, Raphaël M.	Univ. catholique de Louvain
D'Innocenzo, Alessandro	Univ. degli Studi di L'Aquila
Di Benedetto, M. Domenica	Univ. of L'Aquila
14:10-14:30	WeB04.3
<i>Output-Based Controller Synthesis for Networked Control Systems with Periodic Protocols and Time-Varying Transmission Intervals and Delays</i> , pp. 6478-6483.	
Donkers, M.C.F. (Tijs)	Eindhoven Univ. of Tech.
Daafouz, Jamal	CRAN -INPL
Heemels, Maurice	Eindhoven Univ. of Tech.
14:30-14:50	WeB04.4
<i>Networked Control with a Stochastic Scheduling: A Time-Delay Approach</i> , pp. 6484-6489.	

Liu, Kun	KTH
Fridman, Emilia	Tel-Aviv Univ.
Johansson, Karl H.	Royal Inst. of Tech.
14:50-15:10	WeB04.5
<i>Improved Control of Distributed Parameter Systems with Time-Varying Delay Based on Mobile Actuator-Sensor Networks</i> , pp. 6490-6495.	
Jiang, Zhengxian	Jiangnan Univ.
Cui, Baotong	Jiangnan Univ.
Lou, Xuyang	Jiangnan Univ.
15:10-15:30	WeB04.6
<i>Dynamic Output Feedback for Nonlinear Networked Control System with System Delays and Packet Dropout</i> , pp. 6496-6501.	
Bouazza, Kheir Eddine	Umm-Al Qura Univ.
WeB05	Da Gama/Diaz
Linear Systems III (Regular Session)	
Chair: Ozbay, Hitay	Bilkent Univ.
Co-Chair: Mohsenizadeh, Daniel N.	Texas A&M Univ.
13:30-13:50	WeB05.1
<i>An Extremal Result for Unknown Interval Linear Systems</i> , pp. 6502-6507.	
Mohsenizadeh, Daniel N.	Texas A&M Univ.
Keel, Lee H.	Tennessee State Univ.
Bhattacharyya, Shankar P.	Texas A & M Univ.
13:50-14:10	WeB05.2
<i>A Design Approach for Insensitivity to Disturbance Period Fluctuations Using Higher Order Repetitive Control</i> , pp. 6508-6513.	
Guo, Hai-jiao	Tohoku Gakuin Univ.
Longman, Richard W.	Columbia Univ. MS 4703
Ishihara, Tadashi	Fukushima Univ.
14:10-14:30	WeB05.3
<i>Computation of Continuous-Time Probabilistic Invariant Sets and Ultimate Bounds</i> , pp. 6514-6519.	
Kofman, Ernesto	UNR
De Dona, Jose Adrian	The Univ. of Newcastle
Seron, Maria	The Univ. of Newcastle
Pizzi, Noelia	CIFASIS - CONICET
14:30-14:50	WeB05.4
<i>Toward a Rational Matrix Approximation of the Parameter-Dependent Riccati Equation Solution</i> , pp. 6520-6526.	
Guerra, Jérémie	Ircryn école des mines de Nantes
Yagoubi, Mohamed	Ec. des Mines de Nantes (IRCCyN)
Chevrel, Philippe	IRCCyN / Ec. des Mines de Nantes
14:50-15:10	WeB05.5
<i>LMI Results for Robust Control Design of Observer-Based Controllers, the Discrete-Time Case with Polytopic Uncertainties</i> , pp. 6527-6532.	
Peaucelle, Dimitri	LAAS-CNRS
Ebihara, Yoshio	Kyoto Univ.
15:10-15:30	WeB05.6
<i>A New Approach for Guaranteed Ellipsoidal State Estimation</i> , pp. 6533-6538.	
Ben Chabane, Sofiane	Supélec
Stoica Maniu, Cristina Nicoleta	Supélec
Alamo, Teodoro	Univ. de Sevilla
Camacho, Eduardo F.	Univ. of Seville
Dumur, Didier	Ec. Supérieure d'Electricite
WeB06	2.41 Pawel Nowacki
Dynamics and Control of Micro and Nano Systems I (Invited Session)	
Chair: Sebastian, Abu	IBM Res. - Zurich
Co-Chair: Moheimani, S.O. Reza	Univ. of Newcastle
Organizer: Sebastian, Abu	IBM Res. - Zurich
Organizer: Moheimani, S.O. Reza	Univ. of Newcastle

13:30-13:50	WeB06.1
<i>Strategic Zero Placement for Integral Resonant Control to Improve the Positioning Bandwidth of Nanopositioners (I)</i> , pp. 6539-6544.	
Russell, Douglas	Univ. of Aberdeen
Fleming, Andrew John	Univ. of Newcastle
Aphale, Sumeet	Univ. of Aberdeen, UK
13:50-14:10	WeB06.2
<i>Simultaneous Actuation & Sensing for Electrostatic Drives in MEMS Using Frequency Modulated Capacitive Sensing (I)</i> , pp. 6545-6549.	
Moore, Steven	The Univ. of Newcastle
Moheimani, S.O. Reza	Univ. of Newcastle
14:10-14:30	WeB06.3
<i>Sliding Mode and PID Control of a Dual Stage Actuator for Precision Positioning (I)</i> , pp. 6550-6555.	
Ito, Shingo	Vienna Univ. of Tech.
Steininger, Juergen	Vienna Univ. of Tech.
Schitter, Georg	Vienna Univ. of Tech.
14:30-14:50	WeB06.4
<i>Control of a Piezoelectric Actuator Using a Bounded-Adaptive Backstepping Scheme and Sliding-Mode Observer (I)</i> , pp. 6556-6562.	
Escareno, Juan	Ec. d'ingenieurs de l'air et de l'espace
Habineza, Didace	FEMTO-ST Inst. / AS2M department - CNRS/UFC/ENSMM/UTBM ; Uni
Rakotondrabe, Micky	Univ. de Franche Comté
14:50-15:10	WeB06.5
<i>Phase-Locked Loop-Based Proportional Integral Control for Spiral Scanning in an Atomic Force Microscope (I)</i> , pp. 6563-6568.	
Habibullah, Habibullah	Univ. of New South Walse
Pota, Hemanshu	Univ. of New South Wales
Petersen, Ian R	Univ. of New SouthWalesattheAustralianDefenceForceAcademy
WeB07	2.44 - Victor Broida
Towards Patient-Oriented Modelling and Control (Invited Session)	
Chair: Misgeld, Berno	RWTH Aachen Univ.
Co-Chair: Leonhardt, Steffen	RWTH Aachen
Organizer: Misgeld, Berno	RWTH Aachen Univ.
Organizer: Leonhardt, Steffen	RWTH Aachen
13:30-13:50	WeB07.1
<i>Safety, Constraints and Anti-Windup in Closed-Loop Anesthesia (I)</i> , pp. 6569-6574.	
van Heusden, Klaske	Univ. of British Columbia
West, Nicholas	Univ. of British Columbia, Vancouver
Umedaly, Aryannah	Univ. of British Columbia, Vancouver
Ansermino, John Mark	Univ. of British Columbia
Merchant, Richard N.	Univ. of British Columbia, Vancouver
Dumont, Guy	Univ. of British Columbia
13:50-14:10	WeB07.2
<i>Funnel Control for Oxygenation During Artificial Ventilation Therapy (I)</i> , pp. 6575-6580.	
Pomprapa, Anake	RWTH Aachen Univ.
Alfocea, Sergio	RWTH Aachen Univ.
Goebel, Christof	Weinmann Geraete fuer Medizin GmbH
Misgeld, Berno	RWTH Aachen Univ.
Leonhardt, Steffen	RWTH Aachen
14:10-14:30	WeB07.3
<i>Modeling and Control of an Extracorporeal Heart Assist Device (I)</i> , pp. 6581-6586.	
Sievert, Alexander	Univ. of Rostock
Drewelow, Wolfgang	Univ. of Rostock
Jeinsch, Torsten	Univ. of Rostock
Simanski, Olaf	HS Wismar Univ. of Applied Sciences: Tech. Business an
14:30-14:50	WeB07.4
<i>Iterative Learning Control of Drop Foot Stimulation with Array Electrodes for Selective Muscle Activation (I)</i> , pp. 6587-6592.	
Valtin, Markus	TU Berlin, Germany
Seel, Thomas	Tech. Univ. Berlin

Raisch, Joerg	Tech. Univ. Berlin
Schauer, Thomas	Tech. Univ. Berlin
14:50-15:10	WeB07.5
<i>Model-Based Supervision of a Blood Pump (I)</i> , pp. 6593-6598.	
Stollenwerk, Andre	RWTH Aachen Univ.
Kühn, Jan	RWTH Aachen Univ.
Brendle, Christian	RWTH Aachen Univ.
Walter, Marian	RWTH Aachen Univ.
Arens, Jutta	RWTH Aachen Univ.
Wardeh, Markus Nabil	RWTH Aachen Univ. Hospital
Kowalewski, Stefan	RWTH Aachen Univ.
Kopp, Rüdger	RWTH Aachen Univ. Hospital
15:10-15:30	WeB07.6
<i>EPAIA: Design, Modelling and Control of a Novel Electro-Pneumatic Adaptable Impedance Actuator (I)</i> , pp. 6599-6605.	
Misgeld, Berno	RWTH Aachen Univ.
Stille, Joergen	RWTH Aachen Univ.
Pomprapa, Anake	RWTH Aachen Univ.
Leonhardt, Steffen	RWTH Aachen
WeB08	2.61 - John Lozier
Hybrid and Alternative Drive Vehicles (Regular Session)	
Chair: Egardt, Bo S.	Chalmers Univ. of Tech.
Co-Chair: Sawodny, Oliver	Univ. of Stuttgart
13:30-13:50	WeB08.1
<i>An Iterative Dynamic Programming/convex Optimization Procedure for Optimal Sizing and Energy Management of PHEVs</i> , pp. 6606-6611.	
Pourabdollah, Mitra	Chalmers Univ. of Tech.
Murgovski, Nikolce	Chalmers Univ. of Tech.
Egardt, Bo S.	Chalmers Univ. of Tech.
Grauers, Anders	Chalmers Univ. of Tech.
13:50-14:10	WeB08.2
<i>Fuel Efficiency Analysis for Simultaneous Optimization of the Velocity Trajectory and the Energy Management in Hybrid Electric Vehicles (I)</i> , pp. 6612-6617.	
Heppeler, Gunter	Univ. of Stuttgart
Sonntag, Marcus	Univ. of Stuttgart
Sawodny, Oliver	Univ. of Stuttgart
14:10-14:30	WeB08.3
<i>Development and Validation of a Model to Detect Active Gear Via OBD Data for a Through-The-Road Hybrid Electric Vehicle</i> , pp. 6618-6623.	
D'Agostino, Mario	Univ. of Salerno
Naddeo, Massimo	Univ. of Salerno
Rizzo, Gianfranco	Univ. of Salerno
14:30-14:50	WeB08.4
<i>A Clutch Based Transmission for Mechanical Flywheel Applications</i> , pp. 6624-6629.	
Steinberger, Martin	Graz Univ. of Tech.
Horn, Martin	Graz Univ. of Tech.
14:50-15:10	WeB08.5
<i>Using Stochastic Dynamic Programming for Look-Ahead Control of a Wheel Loader Diesel Electric Transmission</i> , pp. 6630-6635.	
Nilsson, Tomas	Linköping Univ.
Fröberg, Anders	Volvo CE
Aaslund, Jan	Linköping Univ.
15:10-15:30	WeB08.6
<i>Catalytic Converter Modeling for Optimal Gasoline-HEV Energy Management</i> , pp. 6636-6641.	
Michel, Pierre	Lab. PRISME, Univ. d'Orléans, PSA Peugeot Citroën
Charlet, Alain	Univ. Orléans
Colin, Guillaume	Univ. of Orléans
Chamaillard, Yann	PRISME
Bloch, Gerard	Nancy Univ.

WeB09		1.41 - Uolevi Luoto
Networked Robotic Systems (Regular Session)		
Chair: Pierri, Francesco		Univ. degli Studi della Basilicata
Co-Chair: Spong, Mark W.		Univ. of Texas at Dallas
13:30-13:50		WeB09.1
<i>A Decentralized Fault Tolerant Control Strategy for Multi-Robot Systems</i> , pp. 6642-6647.		
Arrichiello, Filippo		Univ. of Cassino and Southern Lazio
Marino, Alessandro		Univ. degli Studi di Salerno
Pierri, Francesco		Univ. degli Studi della Basilicata
13:50-14:10		WeB09.2
<i>Global Swarming While Preserving Connectivity Via Lagrange-Poincare Equations</i> , pp. 6648-6655.		
Satici, Aykut		Univ. of Texas at Dallas
Spong, Mark W.		Univ. of Texas at Dallas
14:10-14:30		WeB09.3
<i>Leaderless Consensus in Networks of Flexible-Joint Manipulators</i> , pp. 6656-6661.		
Nuño, Emmanuel		Univ. of Guadalajara
Valle, Daniela		Univ. of Guadalajara
Sarras, Ioannis		SUPELEC
Basanez, Luis		Univ. Pol. de Catalunya
14:30-14:50		WeB09.4
<i>Formation Control of Wheeled Robots in the Port-Hamiltonian Framework</i> , pp. 6662-6667.		
Vos, Ewoud		Univ. of Groningen
Scherpen, Jacquelin M.A.		Univ. of Groningen
van der Schaft, Arjan J.		Univ. of Groningen
Postma, Ate		Rijksuniversiteit Groningen
14:50-15:10		WeB09.5
<i>Decentralized Leader-Follower Flocking of Multiple Non-Holonomic Agents</i> , pp. 6668-6673.		
Jia, Yongnan		Peking Univ.
Wu, Yongjun		peking Univ.
Wang, Long		Peking Univ.
15:10-15:30		WeB09.6
<i>Leader-Follower Pose Consensus for Heterogeneous Robot Networks with Variable Time-Delays</i> , pp. 6674-6679.		
Aldana, Carlos Ivan		Tech. Univ. of Catalonia
Nuño, Emmanuel		Univ. of Guadalajara
Basanez, Luis		Univ. Pol. de Catalunya
WeB10		1.42 - Yoshikazu Sawaragi
Process Monitoring and Performance Assessment (Regular Session)		
Chair: Scali, Claudio		Univ. of Pisa
Co-Chair: Bauer, Margret		ABB Corp. Res. Germany
13:30-13:50		WeB10.1
<i>Intra-Batch Evolution Based Process Monitoring for Multiphase Batch Processes</i> , pp. 6680-6685.		
Zhao, Luping		HongKong Univ. of Science and Tech.
Zhao, Chunhui		Zhejiang Univ.
Gao, Furong		Hong Kong Univ. of Sci & Tech.
13:50-14:10		WeB10.2
<i>Real-Time Detector for Time-Variant Oscillation with Modified Intrinsic Time-Scale Decomposition</i> , pp. 6686-6691.		
Guo, Zixu		Zhejiang Univ.
Xie, Lei		Zhejiang Univ.
Ye, Taihang		Zhejiang Univ.
Horch, Alexander		ABB Corp. Res. Germany
Song, Chao		Zhejiang Univ.
Zhang, Jianming		Zhejiang Univ.
14:10-14:30		WeB10.3
<i>An Energy Perspective on Modelling, Supervision, and Control of Large-Scale Industrial Systems: Survey and Framework</i> , pp.		

6692-6703.	van Schoor, George	North-West Univ.
	Uren, Kenneth Richard	North-West Univ.
	van Wyk, Michael Anton	Univ. of the Witwatersrand
	van Vuuren, Pieter Andries	North West Univ.
	du Rand, Carel Petrus	North-West Univ.
14:30-14:50		WeB10.4
<i>A LASSO-Based Batch Process Modeling and End-Product Quality Prediction Method</i> , pp. 6704-6709.		
	Yan, Zhengbing	National Tsing Hua Univ.
	Chiu, Chih-Chiun	National Tsing Hua Univ.
	Dong, Weiwei	Hong Kong Univ. of science and Tech. Fok Ying Tung Gra
	Yao, Yuan	National Tsing Hua Univ.
14:50-15:10		WeB10.5
<i>A Performance Monitoring Tool to Quantify Valve Stiction in Control Loops</i> , pp. 6710-6715.		
	Bacci di Capaci, Riccardo	Univ. of Pisa
	Scali, Claudio	Univ. of Pisa
15:10-15:30		WeB10.6
<i>Modelling and Multi-Objective Optimisation of a Sugar Mill Based Multi-Effect Evaporator Set</i> , pp. 6716-6721.		
	Burke, Brendan	Wilmar Sugar
WeB11		1.43 - Tibor Vamos
Fault-Tolerant Systems (Regular Session)		
	Chair: Cocquempot, Vincent	LAGIS - LILLE 1 Univ.
	Co-Chair: De Dona, Jose Adrian	The Univ. of Newcastle
13:30-13:50		WeB11.1
<i>Set-Based Fault-Tolerant Control of Convex Polytopic LPV Systems Using a Bank of Virtual Actuators</i> , pp. 6722-6727.		
	Nazari, Raheleh	Univ. of Newcastle
	Seron, Maria	The Univ. of Newcastle
	De Dona, Jose Adrian	The Univ. of Newcastle
13:50-14:10		WeB11.2
<i>Fault Tolerant Control for an Electric 4WD Vehicle's Path Tracking with Active Fault Diagnosis</i> , pp. 6728-6734.		
	Zhang, Xian	Lille 1 Univ.
	Cocquempot, Vincent	LAGIS - LILLE 1 Univ.
14:10-14:30		WeB11.3
<i>Predictive and Robust Fault-Tolerant Control for Takagi-Sugeno Systems</i> , pp. 6735-6740.		
	Witczak, Marcin	Univ. of Zielona Gora
	Aubrun, Christophe	Univ. of Lorraine
	Korbicz, Jozef	Univ. of Zielona Gora
14:30-14:50		WeB11.4
<i>Calculation of Critical Fault Recovery Time for Nonlinear Systems Based on Region of Attraction Analysis</i> , pp. 6741-6746.		
	Tabatabaeipour, Seyed Mojtaba	Tech. Univ. of Denmark
	Blanke, Mogens	Tech. Univ. of Denmark
14:50-15:10		WeB11.5
<i>A Fault and Delay Tolerant Multi-Sensor Control Scheme</i> , pp. 6747-6752.		
	Stankovic, Nikola	Supelec - CNRS
	Olaru, Sorin	Supelec
	Niculescu, Silviu-Iulian	Lab. of Signals and Systems (L2S)
15:10-15:30		WeB11.6
<i>Robust H_∞ Fault-Tolerant Control for Linear Systems with Fast Adaptive Fault Estimation</i> , pp. 6753-6757.		
	Ye, Dan	Northeastern Univ.
	Fan, Quanyong	Northeastern Univ.
	Yang, Guang-Hong	Northeastern Univ.
	Wang, Hong	the Univ. of Manchester
WeB12		1.44 - Manfred Thoma
Wind Power II (Regular Session)		
	Chair: Erlich, Istvan	Univ. of Duisburg-Essen

Co-Chair: Besancon, Gildas	Ense3, Grenoble INP
13:30-13:50	WeB12.1
<i>Chattering Free Sliding Mode Control of Pitch Angle for Direct Driven PM Wind Turbine</i> , pp. 6758-6763.	
Wang, Xin	Hunan Univ. of Tech.
Zhu, Wanli	Hunan Univ. of Tech.
Qin, Bin	Hunan Univ. of Tech.
Song, Ceng	Hunan Univ. of Tech.
13:50-14:10	WeB12.2
<i>Passive Phase Design of a Pumping Kite Wind Generator</i> , pp. 6764-6769.	
Saraiva da Silva, Ramiro	Federal Univ. of Santa Catarina
De Lellis, Marcelo	Federal Univ. of Santa Catarina
Trofino, Alexandre	Federal Univ. of Santa Catarina
14:10-14:30	WeB12.3
<i>Wake-Effect Minimising Optimal Control of Wind Farms, with Load Reduction</i> , pp. 6770-6775.	
Borchersen, Anders	Aalborg Univ.
Larsen, Jesper Abildgaard	Aalborg Univ.
Sivabalan, Senthuran	Aalborg Univ.
Laursen, Thomas Kongensbjerg	Aalborg Univ.
14:30-14:50	WeB12.4
<i>Control-Based Strategy for Effective Wind Speed Estimation in Wind Turbines</i> , pp. 6776-6781.	
Munteanu, Iulian	Grenoble Inst. of Tech. GIPSA-Lab.
Besancon, Gildas	Ense3, Grenoble INP
14:50-15:10	WeB12.5
<i>Estimation of the Possible Power of a Wind Farm</i> , pp. 6782-6787.	
Mirzaei, Mahmood	Tech. Univ. of Denmark
Göçmen, Tuhfe	Department of Wind Energy, Tech. Univ. of Denmark
Giebel, Gregor	Department of Wind Energy, Tech. Univ. of Denmark
Sørensen, Poul Ejnar	Department of Wind Energy, Tech. Univ. of Denmark
Poulsen, Niels Kjølstad	Tech. Univ. of Denmark
15:10-15:30	WeB12.6
<i>Gain Scheduling H_2/H_∞ Structural Control of a Floating Wind Turbine</i> , pp. 6788-6793.	
Si, Yulin	Univ. of Agder
Karimi, Hamid Reza	Univ. of Agder
WeB13	1.61 - Boris Tamm
Delay Systems (Regular Session)	
Chair: Ito, Hiroshi	Kyushu Inst. of Tech.
Co-Chair: Gray, W. Steven	Old Dominion Univ.
13:30-13:50	WeB13.1
<i>Functional Series Expansions for Nonlinear Input-Output Systems with Delay</i> , pp. 6794-6799.	
Gray, W. Steven	Old Dominion Univ.
Thitsa, Makhin	Mercer Univ.
Verriest, Erik I.	Georgia Inst. of Tech.
13:50-14:10	WeB13.2
<i>Construction of Lyapunov Functionals for Networks of Coupled Delay Differential and Continuous-Time Difference Equations</i> , pp. 6800-6805.	
Ito, Hiroshi	Kyushu Inst. of Tech.
Mazenc, Frederic	INRIA-L2S-CNRS-Supelec
Pepe, Pierdomenico	Univ. of L'Aquila
14:10-14:30	WeB13.3
<i>Inverted Pendulum Stabilization Via a Pyragas-Type Controller: Revisiting the Triple Zero Singularity</i> , pp. 6806-6811.	
Boussaada, Islam	Lab. des Signaux et Systemes (L2S)
Morarescu, Irinel Constantin	Univ. de Lorraine
Niculescu, Silviu-Iulian	Lab. of Signals and Systems (L2S)
14:30-14:50	WeB13.4
<i>Nonlinear Predictors for Nonlinear Systems with Delayed Measurements</i> , pp. 6812-6817.	
Battilotti, Stefano	Univ. La Sapienza

14:50-15:10 WeB13.5

Delayed Feedback Stabilization of Unstable Equilibria, pp. 6818-6825.

Leonov, Gennady Saint-Peterburg State Univ.
Kuznetsov, Nikolay Saint-Petersburg State Univ.
Shumafov, Magomet Adyghe State Univ.

15:10-15:30 WeB13.6

Improved Results on Stability of Time-Delay Systems Using Wirtinger-Based Inequality, pp. 6826-6830.

Lee, Tae Hee Yeungnam Univ.
Park, Ju H. Yeungnam Univ.
Jung, Ho Youl Yeungnam Univ.
Lee, Sangmoon Daegu Univ.
Kwon, Ohmin Chungbuk National Univ.

WeB14 1.62 - Brian Anderson

Advanced Control Techniques for Data Storage and Scanning Probe Microscopy - II (Invited Session)

Chair: Cherubini, Giovanni IBM
Co-Chair: Yamaguchi, Takashi Ricoh Company Ltd.
Organizer: Cherubini, Giovanni IBM
Organizer: Yamaguchi, Takashi Ricoh Company Ltd.
Organizer: Pantazi, Angeliki IBM Res. - Zurich

13:30-13:50 WeB14.1

Vibration Suppression for Angular Transmission Errors in Harmonic Drive Gearing and Application to Industrial Robots (I), pp. 6831-6836.

Iwasaki, Makoto Nagoya Inst. of Tech.
Nakamura, Hiroyuki Nagoya Inst. of Tech.

13:50-14:10 WeB14.2

Multirate Adaptive Compensation of Uncertain Resonances Beyond the Nyquist Frequency (I), pp. 6837-6842.

Pang, Chee Khiang National Univ. of Singapore
Yan, Weili National Univ. of Singapore
Du, Chunling Data Storage Inst.

14:10-14:30 WeB14.3

Discrete-Time Frequency-Shaped Sliding Mode Control for Audio-Vibration Rejection in Hard Disk Drives (I), pp. 6843-6848.

Zheng, Minghui Univ. of California, Berkeley
Chen, Xu Univ. of California, Berkeley
Tomizuka, Masayoshi Univ. of California, Berkeley

14:30-14:50 WeB14.4

Tape Transport Control Based on Sensor Fusion (I), pp. 6849-6855.

Pantazi, Angeliki IBM Res. - Zurich
Cherubini, Giovanni IBM
Ogura, Eiji IBM
Jelitto, Jens IBM Res. - Zurich

14:50-15:10 WeB14.5

Motion Control Experiments for Identification of Actuator Dynamics (I), pp. 6856-6861.

de Callafon, Raymond Univ. of California, San Diego

15:10-15:30 WeB14.6

H^∞ Reduced Order Control for Nanopositioning: Numerical Implementability (I), pp. 6862-6869.

Ragazzon, Michael Remo Palmén Norwegian Univ. of Science and Tech.
Eielsen, Arnfinn Aas Norwegian Univ. of Science and Tech.
Gravdahl, Jan Tommy Norwegian Univ. of Science & Tech.

WeB15 1.63 - Stephen Kahne

Statistical Data Analysis (Regular Session)

Chair: Prandini, Maria Pol. di Milano
Co-Chair: Ye, Hao Tsinghua Univ.

13:30-13:50 WeB15.1

Frequency Domain Causality Analysis Method for Multivariate Systems in Hypothesis Testing Framework, pp. 6870-6877.

Zhang, Jing Tsinghua Univ.

Han, Dong	Coll. of Electronics and Information Engineering, Tongji Univ.
Yang, Fan	Tsinghua Univ.
Ye, Hao	Tsinghua Univ.
Chen, Maoyin	Tsinghua Univ.
13:50-14:10	WeB15.2
<i>A Robust Compressive Quantum State Tomography Algorithm Using ADMM</i> , pp. 6878-6883.	
Li, Kezhi	Royal Inst. of Tech.
Cong, Shuang	Univ. of Science and Tech. of China
14:10-14:30	WeB15.3
<i>Regularized Nonparametric Interpolation of Unobservable Markov Sequences</i> , pp. 6884-6889.	
Koshkin, Gennadiy M.	Tomsk State Univ.
Dobrovidov, Alexander V.	Inst. of Control Sciences, RAS
14:30-14:50	WeB15.4
<i>Defining a Pseudo-Metric Topology on Linear Dynamic Systems</i> , pp. 6890-6894.	
Hassani, Vahid	The Norwegian Marine Tech. Res. Inst. (MARINTEK)
Ross, Andrew John	Norwegian Uni. Science & Tech.
14:50-15:10	WeB15.5
<i>A Randomized Approach to Space Debris Footprint Characterization</i> , pp. 6895-6900.	
Falsone, Alessandro	Pol. di Milano
Noce, Fabio	Pol. di Milano
Prandini, Maria	Pol. di Milano
WeB16 1.64 - Yong-Zai Lu	
LPV-Models and Adaptive Control (Regular Session)	
Chair: Hecker, Simon	Univ. of Applied Sciences Munich
Co-Chair: Karimi, Alireza	Ec. Pol. Federale de Lausanne
13:30-13:50	WeB16.1
<i>Generating Structured LPV-Models with Maximized Validity Region</i> , pp. 6901-6906.	
Hecker, Simon	Univ. of Applied Sciences Munich
13:50-14:10	WeB16.2
<i>Embedding of Nonlinear Systems in a Linear Parameter-Varying Representation</i> , pp. 6907-6913.	
Abbas, Hossameldin Mahmoud Seddik	Qatar Univ.
Tóth, Roland	Eindhoven Univ. of Tech.
Petreczky, Mihaly	Ec. des Mines de Douai
Meskin, Nader	Qatar Univ.
Mohammadpour, Javad	Assistant Professor
14:10-14:30	WeB16.3
<i>Robust Fixed-Order Discrete-Time LPV Controller Design</i> , pp. 6914-6919.	
Emedi, Zlatko	Ec. Pol. Federale de Lausanne
Karimi, Alireza	Ec. Pol. Federale de Lausanne
14:30-14:50	WeB16.4
<i>Extended Binary Model Reference Adaptive Control Overcomes Limitations of L1 Adaptive Control</i> , pp. 6920-6925.	
Hsu, Liu	COPPE - Federal Univ. of Rio de Janeiro
Battistel, Andrei	Federal Univ. of Rio de Janeiro
Nunes, Eduardo Vieira Leao	COPPE - Federal Univ. of Rio de Janeiro
14:50-15:10	WeB16.5
<i>L₁-Adaptive Control Is a Linear PI Control</i> , pp. 6926-6928.	
Ortega, Romeo	Supélec
Panteley, Elena V.	CNRS
15:10-15:30	WeB16.6
<i>Modeling for Optimal PID Control</i> , pp. 6929-6934.	
Garpinger, Olof	Lund Univ.
Hagglund, Tore	Lund Univ.

WeB17 Marco Polo	
Stabilization of Hybrid Systems and Event Based Control (Regular Session)	

Chair: Chen, Tongwen	Univ. of Alberta
Co-Chair: Shi, Peng	Univ. of Adelaide
13:30-13:50	WeB17.1
<i>A Simultaneous Stabilization Problem of Linear Systems and Their Discretized Models</i> , pp. 6935-6939.	
Wang, Zhuo	Univ. of Alberta
Chen, Tongwen	Univ. of Alberta
13:50-14:10	WeB17.2
<i>Stabilization of Recurrent Fuzzy Systems Via Sum of Squares-Based Hybrid Control</i> , pp. 6940-6946.	
Gering, Stefan	TU Darmstadt
Adamy, Jürgen	Tech. Univ. Darmstadt
14:10-14:30	WeB17.3
<i>Event-Triggered PI Control Design</i> , pp. 6947-6952.	
Gomes Da Silva Jr, Joao Manoel	Univ. Federal do Rio Grande do Sul (UFRGS)
Lages, Walter Fetter	UFRGS
Sbarbaro, Daniel G.	Univ. de Concepcion
14:30-14:50	WeB17.4
<i>Event-Based Stabilization of Nonlinear Time-Delay Systems</i> , pp. 6953-6958.	
Durand, Sylvain	GIPSA-Lab. Univ. of Grenoble
Marchand, Nicolas	GIPSA-Lab. CNRS
Guerrero Castellanos, Jose Fermi	Autonomous Univ. of Puebla (BUAP)
14:50-15:10	WeB17.5
<i>An Event-Triggered Consensus Control with Sampled-Data Mechanism for Multi-Agent Systems</i> , pp. 6959-6964.	
Zhou, Feng	Central South Univ.
Huang, Zhiwu	Central South Univ.
Liu, Weirong	Central South Univ.
Li, Liran	central south Univ.
Peng, Jun	Central South Univ.
Zhang, Xiaoyong	Central South Univ.
WeB18	2.43 - Pedro Albertos
Optimal Control Theory III (Regular Session)	
Chair: Sekaj, Ivan	Fac. of Electrical Engineering
Co-Chair: Yang, Insoon	Univ. of California, Berkeley
13:30-13:50	WeB18.1
<i>A Matrix Expression of Infinite Horizon Optimal Control Problem for Stochastic Logical Dynamical Systems</i> , pp. 6965-6970.	
Wu, Yuhu	Harbin Univ. of Science and Tech.
Shen, Tielong	Sophia Univ.
13:50-14:10	WeB18.2
<i>Passivity Analysis of Discrete Inverse Optimal Control Based on Control Lyapunov Functions CLF</i> , pp. 6971-6975.	
Lastire Olmedo, Enrique Alan	Centro de Investigación y de Estudios Avanzados del Inst. Po
Sanchez, Edgar N.	CINVESTAV
Alanis, Alma Y.	Cinvestav
Ornelas-Tellez, Fernando	Univ. Michoacana de San Nicolas de Hidalgo
14:10-14:30	WeB18.3
<i>Optimal LQ-Type Switched Control Design for a Class of Linear Systems with Piecewise Constant Inputs</i> , pp. 6976-6981.	
Azhmyakov, Vadim	Yunicos AG
Basin, Michael V.	Autonomous Univ. of Nuevo Leon
Reincke-Collon, Carsten	Yunicos AG
14:30-14:50	WeB18.4
<i>Design of Continuous-Time Controllers Using Cartesian Genetic Programming</i> , pp. 6982-6987.	
Kadlic, Branislav	Slovak Univ. of Tech. in Bratislava
Sekaj, Ivan	Fac. of Electrical Engineering
Pernecky, Daniel	Slovak Univ. of Tech. in Bratislava
14:50-15:10	WeB18.5
<i>On the Existence of a Mean-Square Stabilizing Solution to a Modified Algebraic Riccati Equation</i> , pp. 6988-6993.	
Zheng, Jianying	Hong Kong Univ. of Science and Tech.
Qiu, Li	Hong Kong Univ. of Sci. & Tech.

15:10-15:30	WeB18.6
<i>Path Integral Formulation of Stochastic Optimal Control with Generalized Costs</i> , pp. 6994-7000.	
Yang, Insoon	Univ. of California, Berkeley
Morzfeld, Matthias	Univ. of California at Berkeley
Tomlin, Claire J.	Stanford Univ.
Chorin, Alexandre Joel	Univ. of California, Berkeley

WeB19	2.46 - Vladimir Kucera
Control of Thermal and Flow Problems (Regular Session)	

Chair: Whidborne, James F.	Cranfield Univ.
Co-Chair: Backi, Christoph Josef	Norwegian Univ. of Science and Tech.

13:30-13:50	WeB19.1
<i>Model Reduction and Control of a Compressible Channel Flow with Combustion</i> , pp. 7001-7006.	
Pyta, Lorenz	RWTH Aachen Univ.
Hakenberg, Mathias	RWTH Aachen Univ.
Abel, Dirk	RWTH-Aachen Univ.

13:50-14:10	WeB19.2
<i>Performance Limits for Control of Boundary Layer Streaks Induced by Free Stream Turbulence</i> , pp. 7007-7012.	
Whidborne, James F.	Cranfield Univ.
Lu, Liang	Imperial Coll. London
Papadakis, George	Imperial Coll. London
Ricco, Pierre	The Univ. of Sheffield

14:10-14:30	WeB19.3
<i>Multifunctional Transformation Method in Flow Modelling</i> , pp. 7013-7018.	
Dymkov, Michael	Belarus State Ec. Univ.
Dymkou, Siarhei	National Univ. of Singapore
Dymkou, Vitali	Eneris Comp.

14:30-14:50	WeB19.4
<i>The Nonlinear Heat Equation with State-dependent Parameters and Its Connection to the Burgers' and the Potential Burgers' Equation</i> , pp. 7019-7024.	
Backi, Christoph Josef	Norwegian Univ. of Science and Tech.
Bendtsen, Jan Dimon	Aalborg Univ.
Leth, John	Aalborg Univ.
Gravdahl, Jan Tommy	Norwegian Univ. of Science & Tech.

14:50-15:10	WeB19.5
<i>Mass/Heat Transfer Enhancement Model for Boundary Layer Control Design</i> , pp. 7025-7030.	
Setiawan, Ridwan	The Univ. of New South Wales
Bao, Jie	The Univ. of New South Wales
Ratnayake, Pesila	UNSW

WeB20	2.63 - Wook Hyun Kwon
Reinforcement Learning and Evolutionary Algorithms in Control (Regular Session)	

Chair: Bhaya, Amit	Federal Univ. of Rio De Janeiro
Co-Chair: Babuska, Robert	Delft Univ. of Tech.

13:30-13:50	WeB20.1
<i>Convergence Results for Continuous-Time Dynamics Arising in Ant Colony Optimization</i> , pp. 7031-7036.	
Bliman, Pierre-Alexandre J	INRIA-Rocquencourt
Bhaya, Amit	Federal Univ. of Rio De Janeiro
Kaszkuwicz, Eugenius	Univ. Federal de Rio de Janeiro-Brazil
Dr, Jayadeva	Indian Inst. of Tech. Delhi

13:50-14:10	WeB20.2
<i>A Robust Evolutionary Algorithm for Large Scale Optimization</i> , pp. 7037-7042.	
Poorjandaghi, Seyyed Saeed	Amirkabir Univ. of Tech. (Tehran Pol.
Afshar, Ahmad	Amir-kabir Univ. of Tech.

14:10-14:30	WeB20.3
<i>On-Line Reinforcement Learning for Nonlinear Motion Control: Quadratic and Non-Quadratic Reward Functions</i> , pp. 7043-7048.	
Engel, Jan-Maarten	Delft Univ. of Tech.

Babuska, Robert	Delft Univ. of Tech.
14:30-14:50	WeB20.4
<i>Model-Free Adaptive Dynamic Programming for Optimal Control of Discrete-Time Ane Nonlinear System</i> , pp. 7049-7054.	
Xia, Zhongpu	Inst. of Automation, Chinese Acad. of Sciences
Zhao, Dongbin	Inst. of Automation, Chinese Acad. of Sciences
Tang, Huajin	Inst. for Infocomm Res. Agency for Science, Tech.
14:50-15:10	WeB20.5
<i>Fast Distributed Strategic Learning for Global Optima in Queueing Access Games</i> , pp. 7055-7060.	
Tembine, Hamidou	Supelec
15:10-15:30	WeB20.6
<i>The Network Operator Method for Identifications of Chemical Reactions</i> , pp. 7061-7066.	
Diveev, Askhat	Inst. of Russian Acad. of SciencesDorodnicynComputing Ce
Sofronova, Elena	Peoples' Friendship Univ. of Russia
Gubaidullin, Irek	Inst. of Petrochemistry and Catalysis of RAS
WeB21	2.64 - Alberto Isidori
Fault Detection, Diagnosis and Response (Regular Session)	
Chair: El-Farra, Nael H.	Univ. of California, Davis
Co-Chair: Budman, Hector M.	Univ. of Waterloo
13:30-13:50	WeB21.1
<i>Data-Based Fault Identification and Accommodation in the Control of Sampled-Data Particulate Processes</i> , pp. 7067-7072.	
Napasindayao, Trina	Univ. of California, Davis
El-Farra, Nael H.	Univ. of California, Davis
13:50-14:10	WeB21.2
<i>Fault Diagnosis Based on Graphical Tools for Multi-Energy Processes</i> , pp. 7073-7078.	
Smaili, Rahma	ENIG
El Harabi Rafika, El Harabi	Ec. Nationale d'Ingenieurs en Tunisie + Ec. Pol. Li
Abdelkrim, Mohamed Naceur	ENIG
14:10-14:30	WeB21.3
<i>Active Fault Diagnosis for Nonlinear Systems with Probabilistic Uncertainties</i> , pp. 7079-7084.	
Mesbah, Ali	Massachusetts Inst. of Tech.
Streif, Stefan	Otto-von-Guericke-Univ. Magdeburg
Findeisen, Rolf	Otto-von-Guericke-Univ. Magdeburg
Braatz, Richard D.	Massachusetts Inst. of Tech.
14:30-14:50	WeB21.4
<i>Fault Isolation by Comparing Alarm Lists Using a Symbolic Sequence Matching Algorithm</i> , pp. 7085-7090.	
Charbonnier, Sylvie	Univ. Joseph Fourier/ Grenoble INP
Bouchair, Nabil	CERN
Gayet, Philippe	CERN
14:50-15:10	WeB21.5
<i>Fault Condition Recognition Based on Multi-Scale Co-Occurrence Matrix for Copper Flotation Process</i> , pp. 7091-7097.	
Zhao, Lu	Central South Univ.
Peng, Tao	Central South Univ.
Han, Hua	Central South Univ.
Cao, Wei	Central South Univ.
Lou, Yangge	Central South Univ.
Xie, Xiaotian	Harbin Inst. of Tech.
WeB22	2.65 - Ian Craig
Promoting Sustainable Operations through Advanced Maintenance Engineering, Services and Technology (Invited Session)	
Chair: Macchi, Marco	Pol. di Milano
Co-Chair: Parlikad, Ajith Kumar	Univ. of Cambridge
Organizer: Macchi, Marco	Pol. di Milano
Organizer: lung, Benoît	Lorraine Univ.
13:30-13:50	WeB22.1
<i>Optimising Maintenance of Multi-Component Systems with Degradation Interactions (I)</i> , pp. 7098-7103.	
Rasmekomen, Nipat	Univ. of Cambridge

Parlikad, Ajith Kumar	Univ. of Cambridge
13:50-14:10	WeB22.2
<i>New Thinking Paradigm for Maintenance Innovation Design (I)</i> , pp. 7104-7109.	
Lee, Jay	Univ. of Cincinnati
Holgado, Maria	Pol. di Milano
Kao, Hung-An	Univ. of Cincinnati
Macchi, Marco	Pol. di Milano
14:10-14:30	WeB22.3
<i>Towards Intelligent Maintenance Systems: Rescuing Human Operator and Context Factors (I)</i> , pp. 7110-7115.	
Botelho, Silvia	Univ. Federal do Rio Grande
Rettberg, Achim	CvO Univ. Oldenburg
Duarte Filho, Nelson	Univ. Federal do Rio Grande
Amaral, Marcos	Federal Univ. of Rio Grande - FURG
Espindola, Danubia	Federal Univ. of Rio Grande - FURG
Hellingrath, Bernd	Univ. of Muenster
Pereira, Carlos Eduardo	Federal Univ. of Rio Grande do Sul - UFRGS
Cordes, Ann-Kristin	Univ. of Muenster
Henriques, Renato Ventura Bayan	Univ. of Rio Grande do Sul
Frazzon, Enzo Morosini	Federal Univ. of Santa Catarina
14:30-14:50	WeB22.4
<i>Artificial Immune Intelligent Maintenance System – Diagnostic Agents (I)</i> , pp. 7116-7121.	
Zuccolotto, Marcos	UFRGS
Fasanotti, Luca	Univ. of Bergamo
Cavaliere, Sergio	Univ. of Bergamo
Pereira, Carlos Eduardo	Federal Univ. of Rio Grande do Sul - UFRGS
WeB23	2.66
Monitoring, Modelling and Control of Wastewater Treatment Processes (Invited Session)	
Chair: Smets, Ilse	KU Leuven, Department of Chemical Engineering, BioTeC
Co-Chair: Pons, Marie-Noelle	ENSIC
Organizer: Smets, Ilse	KU Leuven, Department of Chemical Engineering, BioTeC
Organizer: Pons, Marie-Noelle	ENSIC
13:30-13:50	WeB23.1
<i>Modelling of the Ultrasonic Disintegration of Activated Sludge (I)</i> , pp. 7122-7127.	
Lambert, Nico	KU Leuven, Campus De Nayer
Smets, Ilse	KU Leuven, Department of Chemical Engineering, BioTeC
Van Impe, Jan F.M.	KU Leuven
Dewil, Raf	Katholieke Univ. Leuven
13:50-14:10	WeB23.2
<i>Can Stormwater Physico-chemical Treatment Improve Global WWTP Performance? (I)</i> , pp. 7128-7133.	
Bouarab, Amine	Univ. de Lorraine
Baudin-Bizien, Isabelle	VEOLIA
France, Xavier	GEMCEA
Potier, Olivier	Univ. de Lorraine
Pons, Marie-Noelle	Univ. de Lorraine
14:10-14:30	WeB23.3
<i>Simplifications of Activated Sludge Model with Preservation of Its Dynamic Accuracy (I)</i> , pp. 7134-7139.	
Cadet, Catherine	GIPSA-Lab. Automatic department
14:30-14:50	WeB23.4
<i>Qualitative Trend Analysis for Process Monitoring and Supervision Based on Likelihood Optimization: State-Of-The-Art and Current Limitations (I)</i> , pp. 7140-7145.	
Villez, Kris	Eawag
14:50-15:10	WeB23.5
<i>Aeration Control with Gain Scheduling in a Full-Scale Wastewater Treatment Plant (I)</i> , pp. 7146-7151.	
Åmand, Linda	IVL Svenska MiljöInst.
Carlsson, Bengt	Univ. of Uppsala
15:10-15:30	WeB23.6

A Dynamical Model to Study the Response of Microalgae to Pulse Amplitude Modulated Fluorometry, pp. 7152-7157.

Chazalon, Frédéric Laurent	PARIS UPMC Univ.
Rabouille, Sophie	CNRS
Hartmann, Philipp	INRIA
Sciandra, Antoine	LOV
Bernard, Olivier	INRIA

WeB24 Francis Drake

Sensing and Estimation for Mechatronic Systems (Regular Session)

Chair: Hayakawa, Yoshikazu Nagoya Univ.

Co-Chair: Abba, Gabriel Ec. Nationale Supérieure des Arts et Métiers

13:30-13:50 WeB24.1

Navigation of Welding Torch for Arc Welding Process, pp. 7158-7163.

Zhang, WeiJie Univ. of Kentucky

Xiao, Jun Univ. of Kentucky

Zhang, Y. M. Univ. of Kentucky

13:50-14:10 WeB24.2

Improvement of Software Defined Radio Based RSSI Localization with Bias Reduction, pp. 7164-7169.

Wei, Junming Australian National Univ.

Ji, Yiming Australian National Univ.

Yu, Changbin (Brad) Australian National Univ.

14:10-14:30 WeB24.3

Wireless Sensor Network Architecture for Monitoring Large Physical System in Cyclic Mobility, pp. 7170-7175.

Chafik, Abdellatif Univ. of Nancy

Lecuire, Vincent Univ. de Lorraine

Lepage, Francis Univ. of Nancy, France

14:30-14:50 WeB24.4

An Online Estimation of Rotational Velocity of Flying Ball Via Aerodynamics, pp. 7176-7181.

Nakashima, Akira Nagoya Univ.

Okamoto, Takeshi Nagoya Univ.

Hayakawa, Yoshikazu Nagoya Univ.

14:50-15:10 WeB24.5

Precise Indoor Localization of Multiple Mobile Robots with Adaptive Sensor Fusion Using Odometry and Vision Data, pp. 7182-7189.

Baatar, Ganzorig Tech. Univ. Ilmenau

Eichhorn, Mike Tech. Univ. Ilmenau

Ament, Christoph Tech. Univ. Ilmenau

15:10-15:30 WeB24.6

Power Optimal Gate Current Profiles for the Slew Rate Control of Smart Power ICs, pp. 7190-7195.

Blank, Mathias Vienna Univ. of Tech.

Glück, Tobias Vienna Univ. of Tech.

Kugi, Andreas Vienna Univ. of Tech.

Kreuter, Hans-Peter Infineon Tech. Austria AG

WeB25 Poster area

Interactive Session on Mechatronics I (Interactive Session)

Chair: Dumitrache, Ioan Univ. Pol. of Bucharest

13:30-15:30 WeB25.1

Adaptive Inverse Output Feedback Control of Uncertain Systems Preceded with Hysteresis Actuators, pp. 7196-7201.

Liu, Sining Concordia Univ.

Su, Chun-Yi Concordia Univ.

13:30-15:30 WeB25.2

Vision Based Iterative Learning Control for a Roll to Roll Micro/nano-Manufacturing System (I), pp. 7202-7207.

Sutanto, Erick Univ. of Illinois at Urbana Champaign

Alleyne, Andrew G. Univ. of Illinois at Urbana-Champaign

13:30-15:30 WeB25.4

Computing Instantaneous Throughput for Spatially Constrained Aiming Tasks (I), pp. 7208-7213.

Shelton, Jeffrey N. Purdue Univ.

Chiu, George T.-C.	Purdue Univ.
13:30-15:30	WeB25.5
<i>Transient Enhancement in Add-On Feedforward Algorithms for High-Performance Mechatronic Systems (I)</i> , pp. 7214-7220.	
Chen, Xu	Univ. of California, Berkeley
Tomizuka, Masayoshi	Univ. of California, Berkeley
13:30-15:30	WeB25.6
<i>Modeling and μ-Synthesis Based Robust Trajectory Tracking Control of a Wheeled Mobile Robot (I)</i> , pp. 7221-7226.	
Deng, Zheyu	Zhejiang Univ.
Yao, Bin	Purdue Univ.
Zhu, Xiaocong	Zhejiang Univ.
Wang, Qingfeng	Zhejiang Univ.
13:30-15:30	WeB25.7
<i>Cascaded Loops Control of DC Motor Driven Joint Including an Acceleration Loop</i> , pp. 7227-7232.	
Robet, Pierre-philippe	Univ. de Nantes IRCCYN
Gautier, Maxime	Univ. of Nantes/IRCCyN
13:30-15:30	WeB25.8
<i>Estimation of Reaction Torque and Compensation for Elongation of Wire for Wire Actuated Robotic Forceps</i> , pp. 7233-7238.	
Ishii, Chiharu	Hosei Univ.
Komada, Gakuto	Hosei Univ.
13:30-15:30	WeB25.9
<i>An Acceleration Command Approach to Robotic Stereo Image-Based Visual Servoing</i> , pp. 7239-7245.	
Mohebbi, Abolfazl	Concordia Univ.
Keshmiri, Mohammad	Concordia Univ.
Xie, Wenfang	Concordia Univ.
13:30-15:30	WeB25.10
<i>Robust Position Tracking Control and Ground Contact Detection of a Cheetaroid-I Leg by a Disturbance Observer</i> , pp. 7246-7251.	
Choi, Jungsu	Sogang Univ.
Na, Byeonghun	Sogang Univ.
Oh, Sehoon	the Univ. of Tokyo
Kong, Kyoungchul	Sogang Univ.
13:30-15:30	WeB25.11
<i>Control of Magnetically Suspended Rotor Combined with Motor Drive System</i> , pp. 7252-7257.	
Kruger, Gert Lodewikus	North-West Univ.
van Schoor, George	North-West Univ.
van Vuuren, Pieter Andries	North West Univ.
13:30-15:30	WeB25.12
<i>Bio-Harmonized Dynamics Model for a Biology Inspired Carangiform Robotic Fish Underwater Vehicle</i> , pp. 7258-7265.	
Roy Chowdhury, Abhra	NUS
Prasad, Bhuneshwar	NUS
Vishwanathan, Vinoth	NUS
Kumar, Rajesh	MNIT
Panda, Sanjib	National Univ. of Singapore
13:30-15:30	WeB25.13
<i>Flight Controller and Low-Cost Test Environment for a Simulated Helicopter</i> , pp. 7266-7271.	
Terblanche, Marthinus Christoffel	North-West Univ.
Uren, Kenneth Richard	North-West Univ.
van Schoor, George	North-West Univ.
13:30-15:30	WeB25.14
<i>Stereo Vision Based Localization of a Robot Using Partial Depth Estimation and Particle Filter (I)</i> , pp. 7272-7277.	
Selvaraj, Prabu	Nanyang Tech. Univ.
Hu, Guoqiang	Nanyang Tech. Univ.
13:30-15:30	WeB25.15
<i>Model Predictive Control of MEMS Vibratory Gyroscope</i> , pp. 7278-7283.	
Hoseini Pishrobat, Mehran	Univ. of Tabriz
Keighobadi, Jafar	Univ. of Tabriz

Power System Stability I (Invited Session)

Chair: Crainic, Emmanuel D	École de technologie supérieure (ÉTS), Montréal, Qc
Co-Chair: Ulbig, Andreas	ETH Zurich
Organizer: Crainic, Emmanuel D	École de technologie supérieure (ÉTS), Montréal, Qc
16:00-16:20	WeC01.1
<i>Optimal Coordination of Multiple ESS-Based Stabilizers and PSS in Multi-Machine Power System for Damping Improvement (I)</i> , pp. 7284-7289.	
Shi, Linjun	Hohai Univ.
Zhou, Jiajia	hohai Univ.
Lee, Kwang Y.	Baylor Univ.
16:20-16:40	WeC01.2
<i>Impact of Low Rotational Inertia on Power System Stability and Operation (I)</i> , pp. 7290-7297.	
Ulbig, Andreas	ETH Zurich
Borsche, Theodor Sebastian	ETH Zürich
Andersson, Goran	Swiss Federal Inst. of Tech.
16:40-17:00	WeC01.3
<i>Effect of Increased Generation and AVR on the Transient Stability at a Nuclear Power Plant (I)</i> , pp. 7298-7304.	
Emmanuel, Paul John	Univ. of Cape Town
Folly, Komla	Univ. of Cape Town
17:00-17:20	WeC01.4
<i>Stability Issues of Smart Grid Transmission Line Switching (I)</i> , pp. 7305-7310.	
Huang, Garng	Texas A&M Univ.
Wang, Wenzong	Texas A&M Univ.
An, Jun	Northeast Dianli Univ.
17:20-17:40	WeC01.5
<i>Damping Controller Design Using Self-Adaptive DE (I)</i> , pp. 7311-7317.	
Folly, Komla	Univ. of Cape Town
Mulumba, Tsina	Univ. of Cape Town

WeC02

Ballroom West - Aleksander Letov

Tracking (Regular Session)

Chair: Li, Wuquan	Ludong Univ.
Co-Chair: Colaneri, Patrizio	Pol. di Milano
16:00-16:20	WeC02.1
<i>Featureless Visual Tracking Based on Non-Vector Space Control Theory</i> , pp. 7318-7323.	
Huang, Hailin	City Univ. of Hongkong
Zhao, Jianguo	Michigan State Univ.
Xi, Ning	Michigan State Univ.
16:20-16:40	WeC02.2
<i>Flatness-Based Control of Torsional-Axial Coupled Drilling Vibrations</i> , pp. 7324-7329.	
Saldivar, Martha Belem	Centro de Investigación y de Estudios Avanzados del Instituto Pol.
Knüppel, Torsten	Tech. Univ. Dresden
Woittennek, Frank	Tech. Univ. Dresden
Boussaada, Islam	Lab. des Signaux et Systemes (L2S)
Mounier, Hugues	Lab. des Signaux et Systèmes, CNRS SUPELEC Université Pari
Niculescu, Silviu-Iulian	Lab. of Signals and Systems (L2S)
16:40-17:00	WeC02.3
<i>A Distributed Braking Control Algorithm with Preview Action for Railroad Vehicles</i> , pp. 7330-7335.	
Picasso, Bruno	Pol. di Milano
Caporale, Danilo	Pol. di Milano
Colaneri, Patrizio	Pol. di Milano
17:00-17:20	WeC02.4
<i>A Novel Finite Time Sliding Mode Control for Robotic Manipulators</i> , pp. 7336-7341.	
Zhao, Yao	Beijing Inst. of Tech.
Sheng, Yongzhi	Beijing Inst. of Tech.
Liu, Xiangdong	School of Automation, 231 Staff, Beijing Inst. of Tech.
17:20-17:40	WeC02.5

<i>Geometric Path Following Control of a Rigid Body Based on the Stabilization of Sets</i> , pp. 7342-7347.	
Kapitanyuk, Yuri	ITMO Univ.
Chepinskiy, Sergey	ITMO Univ.
Kapitonov, Aleksandr	ITMO Univ.
17:40-18:00	WeC02.6
<i>Distributed Tracking of Multi-Agent Systems with High-Order Stochastic Nonlinear Dynamics</i> , pp. 7348-7353.	
Li, Wuquan	Ludong Univ.
Zhang, Ji-Feng	Chinese Acad. of Sciences

WeC03	Auditorium 2 - Eduard Gerecke
Fault Detection and Diagnosis I (Regular Session)	

Chair: Isermann, Rolf	Univ. of Tech. Darmstadt
Co-Chair: Pelckmans, Kristiaan	Uppsala Univ.

16:00-16:20	WeC03.1
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<i>A Model-Based Prognosis Strategy for Prediction of Remaining Useful Life of Ball-Grid-Array Interconnections</i> , pp. 7354-7360.	
Gucik-Derigny, David	Univ. of Bordeaux, IMS Lab.
Zolghadri, Ali	Univ. Bordeaux I
Suhir, Ephraïm	Portland State Univ.
Bechou, Laurent	Univ. of Bordeaux, IMS Lab.

16:20-16:40	WeC03.2
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<i>Towards an Online, Non-Stochastic Approach to Fault Detection</i> , pp. 7361-7366.	
Pelckmans, Kristiaan	Uppsala Univ.

16:40-17:00	WeC03.3
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<i>Simulation Based Evaluation of Fault Detection Algorithms with Applications to Wear Diagnosis in Manipulators</i> , pp. 7367-7374.	
Samuelsson, Andreas	ABB Corp. Res.
Bittencourt, André C.	Linköpings Univ.
Saarinen, Kari	ABB AB, Corp. Res.
Sander Tavallaey, Shiva	ABB AB, Corp. Res.
Norrlof, Mikael	Linköping Univ.
Andersson, Hans	ABB Corp. Res.
Gunnarsson, Svante	Linköping Univ.

17:00-17:20	WeC03.4
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<i>Interval State and Unknown Inputs Estimation for Linear Time-Invariant Systems</i> , pp. 7375-7381.	
Gucik-Derigny, David	Univ. of Bordeaux, IMS Lab.
Raïssi, Tarek	Conservatoire National des Arts et Métiers
Zolghadri, Ali	Univ. Bordeaux I

17:20-17:40	WeC03.5
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<i>Efficient Computation of Minmax Tests for Fault Isolation and Their Application to Structural Damage Localization</i> , pp. 7382-7387.	
Döhler, Michael	Inria
Mevel, Laurent	INRIA
Hille, Falk	BAM Federal Inst. for Materials Res. and Testing

17:40-18:00	WeC03.6
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<i>Integration of Fault Diagnosis and Control by Finding a Trade-Off between the Observability of Stochastic Faults and Economics</i> , pp. 7388-7393.	
Du, Yuncheng	Univ. of Waterloo
Budman, Hector M.	Univ. of Waterloo
Duever, Thomas	Univ. of Waterloo

WeC04	Roof Terrace - John Coales
Stochastic Approaches to Distributed Systems (Regular Session)	

Chair: Fu, Minyue	Univ. of Newcastle
Co-Chair: Notarstefano, Giuseppe	Univ. del Salento (Univ. of Lecce)

16:00-16:20	WeC04.1
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<i>A Hidden Markov Model Based Transitional Description of Camera Networks</i> , pp. 7394-7399.	
Lucchese, Riccardo	Univ. degli Studi di Padova
Carli, Ruggero	Univ. of Padova
Cenedese, Angelo	Univ. of Padova

16:20-16:40	WeC04.2
<i>Asymptotic Optimality of the Maximum-Likelihood Filter for Bayesian Tracking in Sensor Networks</i> , pp. 7400-7405.	
Marelli, Damián Edgardo	Univ. of Newcastle
Fu, Minyue	Univ. of Newcastle
16:40-17:00	WeC04.3
<i>A Hierarchical Bayes Approach for Distributed Binary Classification in Cyber-Physical and Social Networks</i> , pp. 7406-7411.	
Coluccia, Angelo	Univ. del Salento
Notarstefano, Giuseppe	Univ. del Salento (Univ. of Lecce)
17:00-17:20	WeC04.4
<i>Performance vs Complexity Trade-Offs for Markovian Networked Jump Estimators</i> , pp. 7412-7417.	
Dolz, Daniel	Univ. Jaume I
Quevedo, Daniel E.	The Univ. of Newcastle
Peñarrocha, Ignacio	Univ. Jaume I de Castelló
Sanchis, Roberto	Univ. Jaume I
17:20-17:40	WeC04.5
<i>Fast Discrete Consensus Based on Gossip for Makespan Optimization in Networked Systems</i> , pp. 7418-7423.	
Franceschelli, Mauro	Univ. of Cagliari
Giua, Alessandro	Univ. of Cagliari, Italy / Aix-Marseille Univ. France
Seatzu, Carla	Univ. of Cagliari
17:40-18:00	WeC04.6
<i>Randomized Incremental Least Squares for Distributed Estimation Over Sensor Networks</i> , pp. 7424-7429.	
You, Keyou	Tsinghua Univ.
Song, Shiji	Tsinghua Univ.
Qiu, Li	Hong Kong Univ. of Sci. & Tech.
WeC05	Da Gama/Diaz
Output Feedback Control (Linear Case) (Regular Session)	
Chair: Lanusse, Patrick	Bordeaux Aquitaine INP - Univ. de Bordeaux
Co-Chair: Franze, Giuseppe	Univ. della Calabria
16:00-16:20	WeC05.1
<i>Robust Static Output-Feedback Control for Uncertain Linear Discrete-Time Systems Via the Generalized KYP Lemma</i> , pp. 7430-7435.	
Li, Xianwei	Harbin Inst. of Tech.
Yin, Shen	Harbin Inst. of Tech.
Gao, Huijun	Harbin Inst. of Tech.
Kaynak, Okyay	Bogazici Univ.
16:20-16:40	WeC05.2
<i>Extension to Fractional Orders of PID Controllers: A Frequency-Domain Tutorial Presentation</i> , pp. 7436-7442.	
Lanusse, Patrick	Bordeaux Aquitaine INP - Univ. de Bordeaux
Sabatier, Jocelyn	Univ. Bordeaux1
Oustaloup, Alain	Univ. Bordeaux 1 - IPB/ENSEIRB-MATMECA
16:40-17:00	WeC05.3
<i>Robust Model Predictive Controller Design</i> , pp. 7443-7448.	
Vozák, Daniel	Slovak Univ. of Tech.
Vesely, Vojtech	Slovak Univ. of Tech. in Bratislava
17:00-17:20	WeC05.4
<i>A Norm-Bounded Robust MPC Strategy with Partial State Measurements</i> , pp. 7449-7454.	
Franze, Giuseppe	Univ. della Calabria
Mattei, Massimiliano	Second Univ. of Naples
Ollio, Luciano	Univ. "Mediterranea" of Reggio Calabria
Scordamaglia, Valerio	Univ. "Mediterranea" of Reggio Calabria
17:20-17:40	WeC05.5
<i>Frequency Domain Tuning Method for Unconstrained Linear Output Feedback Model Predictive Control</i> , pp. 7455-7460.	
Gonzalez Burgos, Juan	Eindhoven Univ. of Tech.
López Martínez, César Augusto	Eindhoven Univ. of Tech.
Molengraft, René van de	Eindhoven Univ. of Tech.
Steinbuch, Maarten	Eindhoven Univ. of Tech.
17:40-18:00	WeC05.6

Output Feedback Model Predictive Control: A Probabilistic Approach, pp. 7461-7466.

Farina, Marcello
Giulioni, Luca
Magni, Lalo
Scattolini, Riccardo

Pol. di Milano
Pol. di Milano
Univ. of Pavia
Pol. di Milano

WeC06	2.41 Pawel Nowacki
Dynamics and Control of Micro and Nano Systems II (Invited Session)	
Chair: Sebastian, Abu	IBM Res. - Zurich
Co-Chair: Moheimani, S.O. Reza	Univ. of Newcastle
Organizer: Sebastian, Abu	IBM Res. - Zurich
Organizer: Moheimani, S.O. Reza	Univ. of Newcastle
16:00-16:20	WeC06.1
<i>Accelerometer-Based Online Reconstruction of Vibrations in Extremely Large Telescopes (I)</i> , pp. 7467-7473.	
Keck, Alexander	Inst. for System Dynamics, Univ. of Stuttgart
Pott, Jörg-Uwe	Max-Planck-Inst. for Astronomy, Heidelberg
Sawodny, Oliver	Univ. of Stuttgart
16:20-16:40	WeC06.2
<i>Novel Reciprocal Self-Sensing Techniques for Tapping-Mode Atomic Force Microscopy (I)</i> , pp. 7474-7479.	
Ruppert, Michael G.	The Univ. of Newcastle
Moheimani, S.O. Reza	Univ. of Newcastle
16:40-17:00	WeC06.3
<i>Non-Contact Manipulation for Automated Protein Crystal Harvesting Using a Rolling Microrobot (I)</i> , pp. 7480-7485.	
Pieters, Roel	ETH Zurich
Tung, Hsi-Wen	ETH Zurich
Sargent, David F.	ETHZ, Inst. of Robotics and Intelligent Systems; Inst. o
Nelson, Bradley	ETH Zurich
17:00-17:20	WeC06.4
<i>Dynamics Modeling Signaling Pathway Regulating EGF-Induced Cell Adhesion (I)</i> , pp. 7486-7491.	
Yang, Ruiguo	Michigan State Univ.
Xi, Ning	Michigan State Univ.
Song, Bo	Department of Electrical and Computer Engineering, Michigan State
Sun, Zhiyong	Michigan State Univ.
Chen, Liangliang	Michigan State Univ.
Garcia, Marcela P.	Drexel Univ.
Xi, Jun	Drexel Univ.
17:20-17:40	WeC06.5
<i>Robust Microscale Grasping Using a Self Scheduled Dynamic Controller (I)</i> , pp. 7492-7498.	
Boudaoud, Mokrane	Univ. Pierre et Marie CURIE, Inst. des Systèmes Intellig
Gaudenzi De Faria, Marcelo	FEMTO-ST, Univ. de Franche-Comté
Haddab, Yassine	ENSMM, FEMTO-ST
Haliyo, Sinan	Univ. Pierre et Marie CURIE, Inst. des Systèmes Intellig
Le Gorrec, Yann	FEMTO-ST, ENSMM
Lutz, Philippe	Univ. de Franche Comté
RÉgnier, Stéphane	Univ. Pierre et Marie CURIE, Inst. des Systèmes Intellig
17:40-18:00	WeC06.6
<i>Multi-Frequency Atomic Force Microscopy: A System-Theoretic Approach (I)</i> , pp. 7499-7504.	
Shamsudhin, Naveen	ETH Zurich
Nelson, Bradley	ETH Zurich
Rothuizen, Hugo	IBM Res.
Sebastian, Abu	IBM Res. - Zurich
WeC07	2.44 - Victor Broida
Biomedical System Modelling, Simulation and Visualization (Regular Session)	
Chair: Leonhardt, Steffen	RWTH Aachen
Co-Chair: Tsuzuki, Marcos de Sales Guerra	Univ. of Sao Paulo
16:00-16:20	WeC07.1

Fragility in Networks: Application to the Epileptic Brain, pp. 7505-7510.

Sritharan, Duluxan
Sarma, Sridevi

Johns Hopkins Univ.
Johns Hopkins Univ.

16:20-16:40

WeC07.2

Quantifying the Impact of Two Pinning Control Strategies on HIV Incidence, pp. 7511-7516.

du Toit, Eben Francois
Craig, Ian

Univ. of Pretoria
Univ. of Pretoria

16:40-17:00

WeC07.3

System Identification and Signal Processing for PID Control of B0 Shim Systems in Ultra-High Field Magnetic Resonance Applications, pp. 7517-7522.

Chang, Yu-Chun
Avdievich, Nikolai
Henning, Anke

Max-Planck Inst.
Max-Planck Inst.
Max-Planck Inst.

17:00-17:20

WeC07.4

Estimating Temperature in Perfused Tissue Phantoms Subject to Ultrasound Heating, pp. 7523-7528.

Ruano, Maria da Graça
Duarte, Helder

Univ. of Algarve
Faculty of Sciences and Tech. Univ. of Algarve, Faro,

17:20-17:40

WeC07.5

A Coupled Model for Healthy and Cancer Cells Dynamics in Acute Myeloid Leukemia, pp. 7529-7534.

Avila Alonso, Jose Louis
Bonnet, Catherine
Ozbay, Hitay
Clairambault, Jean
Niculescu, Silviu-Iulian
Hirsch, Pierre
Delhommeau, Francois

INRIA
Inria Saclay-Ile-de-France
Bilkent Univ.
INRIA
Lab. of Signals and Systems (L2S)
Hôpital Saint-Antoine
Hôpital Saint-Antoine

17:40-18:00

WeC07.6

Discretization Error and the EIT Forward Problem (I), pp. 7535-7540.

Tavares, Renato Seiji
Nakadaira Filho, Flavio Akira
Tsuzuki, Marcos de Sales Guerra
Martins, Thiago de Castro
Lima, Raul Gonzalez

Escola Pol. da Univ. de São Paulo
Escola Pol. da Univ. de Sao Paulo
Univ. of Sao Paulo
Univ. of Sao Paulo
Univ. of São Paulo

WeC08

2.61 - John Lozier

Nonlinear and Optimal Automotive Control (Regular Session)

Chair: Limebeer, David
Co-Chair: Nyandoro, Otis Tichatonga

Oxford Univ. Engineering Science Department
Univ. of the Witwatersrand, Johannesburg

16:00-16:20

WeC08.1

Analytical Solution to the Minimum Energy Consumption Based Velocity Profile Optimization Problem with Variable Road Grade, pp. 7541-7546.

Ozatay, Engin
Ozguner, Umit
Michelini, John
Filev, Dimitar

The Ohio State Univ.
Ohio State Univ.
Ford Motor Company
Ford Motor Company

16:20-16:40

WeC08.2

Optimal Race Car Motion Cueing, pp. 7547-7552.

Salisbury, Ingrid Gael
Limebeer, David

Univ. of Oxford
Oxford Univ. Engineering Science Department

16:40-17:00

WeC08.3

Active Control of Aerodynamic Surfaces for Ride Control in Sport Vehicles, pp. 7553-7558.

Corno, Matteo
Bottelli, Stefano
Tanelli, Mara
Spelta, Cristiano
Savaresi, Sergio

Pol. di Milano
Pol. di Milano
Pol. di Milano
Univ. degli studi di Bergamo
Pol. di Milano

17:00-17:20

WeC08.4

A Curvilinear Abscissa Approach for the Lap Time Optimization of Racing Vehicles, pp. 7559-7565.

Lot, Roberto	Univ. of Padova
Biral, Francesco	Univ. of Trento
17:20-17:40	WeC08.5
<i>Equivalence of Multi-Formulated Optimal Slip Control for Vehicular Anti-Lock Braking System</i> , pp. 7566-7571.	
Nyandoro, Otis Tichatonga	Univ. of the Witwatersrand, Johannesburg
Chingozha, Tinashe	Univ. of the Witwatersrand, Johannesburg
17:40-18:00	WeC08.6
<i>Discrete-Time Switching MIMO LPV Gain-Scheduling Control for the Reduction of Engine-Induced Vibrations in Vehicles</i> , pp. 7572-7578.	
Ballesteros, Pablo	Clausthal Univ. of Tech.
Shu, Xinyu	Clausthal Univ. of Tech.
Bohn, Christian	Clausthal Univ. of Tech.

WeC09

Robot Sensors (Regular Session)

Chair: Cavallo, Alberto	Seconda Univ. degli Studi di Napoli
Co-Chair: Fagiolini, Adriano	Univ. degli Studi di Palermo
16:00-16:20	WeC09.1
<i>Sensor and Body Frames Rotation Calibration through Attitude Restriction</i> , pp. 7579-7584.	
Miranda, Conrado	Univ. of Campinas
Ferreira, Janito	Univ. of Campinas
16:20-16:40	WeC09.2
<i>Experimental Comparison of Sensor Fusion Algorithms for Attitude Estimation</i> , pp. 7585-7591.	
Cavallo, Alberto	Seconda Univ. degli Studi di Napoli
Cirillo, Andrea	Seconda Univ. degli Studi di Napoli
Cirillo, Pasquale	Second Univ. of Naples
De Maria, Giuseppe	Seconda Univ. degli Studi di Napoli
Falco, Pietro	Seconda Univ. degli Studi di Napoli
Natale, Ciro	Seconda Univ. degli Studi di Napoli
Pirozzi, Salvatore	Seconda Univ. di Napoli
16:40-17:00	WeC09.3
<i>An Optoelectronic Artificial Skin for Contact Force Vector Estimation</i> , pp. 7592-7597.	
Cirillo, Andrea	Seconda Univ. degli Studi di Napoli
Cirillo, Pasquale	Second Univ. of Naples
De Maria, Giuseppe	Seconda Univ. degli Studi di Napoli
Natale, Ciro	Seconda Univ. degli Studi di Napoli
Pirozzi, Salvatore	Seconda Univ. di Napoli
Cavallo, Alberto	Seconda Univ. degli Studi di Napoli
17:00-17:20	WeC09.4
<i>An Adaptive and Online Underwater Image Processing Algorithm Implemented on Miniature Biomimetic Robotic Fish</i> , pp. 7598-7603.	
Wang, Wei	Peking Univ.
Xie, Guangming	Peking Univ.
17:20-17:40	WeC09.5
<i>3D Modeling with a Moving Tilting Laser Sensor for Indoor Environments</i> , pp. 7604-7609.	
Aouina, Abdennour	LAAS-CNRS
Devy, Michel	LAAS-CNRS
Marin-Hernandez, Antonio	Univ. Veracruzana
17:40-18:00	WeC09.6
<i>Distributed Intrusion Detection for the Security of Industrial Cooperative Robotic Systems</i> , pp. 7610-7615.	
Fagiolini, Adriano	Univ. degli Studi di Palermo
Dini, Gianluca	Univ. di Pisa
Bicchi, Antonio	Univ. di Pisa

WeC10

1.42 - Yoshikazu Sawaragi

Real Time Optimization and Control (Regular Session)

Chair: Bonvin, Dominique	EPFL
Co-Chair: Engell, Sebastian	TU Dortmund

16:00-16:20	WeC10.1
<i>A Non-Optimality Detection Technique for Continuous Processes</i> , pp. 7616-7621.	
Ye, Lingjian	Ningbo Inst. of Tech. Zhejiang Univ.
Cao, Yi	Cranfield Univ.
Ma, Xiushui	Ningbo Inst. of Tech. Zhejiang Univ.
Song, Zhi-Huan	Zhejiang Univ.
16:20-16:40	WeC10.2
<i>On the Use of Second-Order Modifiers for Real-Time Optimization</i> , pp. 7622-7628.	
Faulwasser, Timm	EPFL
Bonvin, Dominique	EPFL
16:40-17:00	WeC10.3
<i>Internal-Growth Strategies for Dynamic Process Optimization with Differential-Algebraic Equations</i> , pp. 7629-7634.	
Wang, Zhiqiang	Hebei Acad. of Sciences
Shao, Zhijiang	Zhejiang Univ.
Fang, Xueyi	Northwestern Pol. Univ.
Zhao, Jun	Zhejiang Univ.
Xu, Zuhua	Zhejiang Univ.
17:00-17:20	WeC10.4
<i>Mixed Modifier-Adaptation for RTO in a Continuous Bioreactor</i> , pp. 7635-7640.	
Navia, Daniel	Univ. Técnica Federico Santa María
Gutierrez, Gloria	Univ. of Valladolid
de Prada, Cesar	Univ. of Valladolid
17:20-17:40	WeC10.5
<i>Hill-Climbing for Economic Plantwide Control</i> , pp. 7641-7646.	
Kaistha, Nitin	Indian Inst. of Tech. Kanpur
Kumar, Vivek	INDIAN Inst. OF Tech. KANPUR
WeC11	1.43 - Tibor Vamos
Control of Renewable Energy Resources (Regular Session)	
Chair: Casella, Francesco	Pol. di Milano
Co-Chair: Fagiano, Lorenzo	ABB Schweiz Ltd.
16:00-16:20	WeC11.1
<i>Decoupling Control of Wave Energy Converters Using Derivative-Free Optimization</i> , pp. 7647-7652.	
Feng, Zhe	Imperial Coll. London
Kerrigan, Eric C.	Imperial Coll. London
16:20-16:40	WeC11.2
<i>Impact of Increasing Wind Power Generation on the North-South Inter-Area Oscillation Mode in the European ENTSO-E System</i> , pp. 7653-7658.	
Alali, Salaheddin	Univ. of Rostock, Germany
Haase, Torsten	50Hertz Transmission GmbH
Nassar, Ibrahim	Univ. of Al-Azhar, Egypt
Weber, Harald	Univ. of Rostock
16:40-17:00	WeC11.3
<i>Nonlinear Controller Design for Vehicle-To-Grid (V2G) Systems to Enhance Power Quality and Power System Stability (I)</i> , pp. 7659-7664.	
Mahmud, Md. Apel	Swinburne Univ. of Tech.
Hossain, Md. Jahangir	Griffith Univ.
Pota, Hemanshu	Univ. of New South Wales
Roy, Naruttam Kumar	The Univ. of New South Wales
17:00-17:20	WeC11.4
<i>Investigation of Critical Factors Affecting Dynamic Stability of Wind Generation Systems with Permanent Magnet Synchronous Generators (I)</i> , pp. 7665-7670.	
Mahmud, Md. Apel	Swinburne Univ. of Tech.
Hossain, Md. Jahangir	Griffith Univ.
Pota, Hemanshu	Univ. of New South Wales
Zhang, Cishen	Swinburne Univ. of Tech.
17:20-17:40	WeC11.5
<i>Green Building Facilitated by Supply Demand Coordination in Microgrid (I)</i> , pp. 7671-7677.	

Xu, Zhanbo
Jia, Qing-Shan
Guan, Xiaohong

Xi'an Jiaotong Univ.
Tsinghua Univ.
Tsinghua Univ.

WeC12		1.44 - Manfred Thoma
Control of Wave Energy Devices (Invited Session)		
Chair: Ringwood, John		NUI Maynooth
Co-Chair: Korde, Umesh	South Dakota School of Mines and Tech.	
Organizer: Ringwood, John		NUI Maynooth
16:00-16:40		WeC12.1
<i>Control, Forecasting and Optimisation for Wave Energy Conversion (I)</i> , pp. 7678-7689.		
Ringwood, John		NUI Maynooth
Bacelli, Giorgio	National Univ. of Ireland	Maynooth
Fusco, Francesco		IBM Res. Ireland
16:40-17:00		WeC12.2
<i>Energy Storage Requirements for Near-Optimal Smooth Reactive Control of a Wave Energy Device (I)</i> , pp. 7690-7695.		
Korde, Umesh	South Dakota School of Mines and Tech.	
17:00-17:20		WeC12.3
<i>Nonlinear Optimal Wave Energy Converter Control with Application to a Flap-Type Device (I)</i> , pp. 7696-7701.		
Bacelli, Giorgio	National Univ. of Ireland	Maynooth
Ringwood, John		NUI Maynooth
17:20-17:40		WeC12.4
<i>Disturbance-Adaptive Stochastic Optimal Control of Energy Harvesters, with Application to Ocean Wave Energy Conversion (I)</i> , pp. 7702-7709.		
Nie, Rudy		Univ. of Michigan
Scruggs, Jeff		Univ. of Michigan
17:40-18:00		WeC12.5
<i>Latching Control Strategies for a Heaving Buoy Wave Energy Generator in a Random Sea (I)</i> , pp. 7710-7716.		
Saupe, Florian		IFPEN
Creff, Yann		IFP Energies nouvelles
Gilloteaux, Jean-Christophe		Ec. Centrale de Nantes
Bozonnet, Pauline		IFPEN
Tona, Paolino		IFP Energies nouvelles
WeC13		
Disturbance Rejection (Regular Session)		1.61 - Boris Tamm
Chair: Kotta, Ülle		Inst. of Cybernetics at TUT
Co-Chair: Corradini, Maria Letizia		Univ. di Camerino
16:00-16:20		WeC13.1
<i>Rejection of Heave-Induced Pressure Fluctuations at the Casing Shoe in Managed Pressure Drilling</i> , pp. 7717-7722.		
Anfinsen, Henrik		NTNU
Aamo, Ole Morten		NTNU
16:20-16:40		WeC13.2
<i>Disturbance Rejection through Virtual Extension of the System - Geometric Approach</i> , pp. 7723-7728.		
Nowicki, Marcin		Poznan Univ. of Tech.
Madonski, Rafal		Poznan Univ. of Tech.
Kozlowski, Krzysztof R.		Poznan Univ. of Tech.
16:40-17:00		WeC13.3
<i>Disturbance Decoupling for Nonlinear Systems by Measurement Feedback: Sensor Location</i> , pp. 7729-7734.		
Kaldmäe, Arvo		Inst. of Cybernetics at TUT
Kotta, Ülle		Inst. of Cybernetics at TUT
Shumsky, Alexey		Far Eastern Federal Univ.
Zhirabok, Alexey N.		Far Eastern Federal Univ.
17:00-17:20		WeC13.4
<i>Disturbance Decoupling by Measurement Feedback</i> , pp. 7735-7740.		
Kaldmäe, Arvo		Inst. of Cybernetics at TUT
Kotta, Ülle		Inst. of Cybernetics at TUT

17:20-17:40	WeC13.5
<i>Feedforward and Feedback Control of Dynamic Systems</i> , pp. 7741-7748.	
Hu, Wuhua	Nanyang Tech. Univ.
Camacho, Eduardo F.	Univ. of Seville
Xie, Lihua	Nanyang Tech. Univ.
17:40-18:00	WeC13.6
<i>A Sensorless Speed-Tacking Controller for Permanent Magnet Synchronous Motors with Uncertain Parameters</i> , pp. 7749-7754.	
Corradini, Maria Letizia	Univ. di Camerino
Cristofaro, Andrea	Univ. of Camerino
WeC14	1.62 - Brian Anderson
Control of Distributed Parameter Systems IV (Regular Session)	
Chair: Borggaard, Jeff	Virginia Tech.
Co-Chair: Kugi, Andreas	Vienna Univ. of Tech.
16:00-16:20	WeC14.1
<i>Adaptive Output-Feedback Stabilization of Non-Local Hyperbolic PDEs (I)</i> , pp. 7755-7760.	
Bernard, Pauline	MINES ParisTech
Krstic, Miroslav	Univ. of California at San Diego
16:20-16:40	WeC14.2
<i>Backstepping Observers for Periodic Quasi-Linear Parabolic PDEs (I)</i> , pp. 7761-7766.	
Jadachowski, Lukas	Vienna Univ. of Tech.
Meurer, Thomas	Christian-Albrechts-Univ. Kiel
Kugi, Andreas	Vienna Univ. of Tech.
16:40-17:00	WeC14.3
<i>Solving Algebraic Riccati Equations Via Proper Orthogonal Decomposition (I)</i> , pp. 7767-7772.	
Kramer, Boris	Interdisciplinary Center for Applied Mathematics, Virginia Tech.
17:00-17:20	WeC14.4
<i>Parametric Reduced Order Models Using Adaptive Sampling and Interpolation (I)</i> , pp. 7773-7778.	
Borggaard, Jeff	Virginia Tech.
Pond, Kevin	Air Force Inst. of Tech.
Zietsman, Lizette	Virginia Tech.
17:20-17:40	WeC14.5
<i>Compensators Via H2-Based Model Reduction and Proper Orthogonal Decomposition (I)</i> , pp. 7779-7784.	
Borggaard, Jeff	Virginia Tech.
Gugercin, Serkan	Virginia Tech.
Zietsman, Lizette	Virginia Tech.
WeC15	1.63 - Stephen Kahne
Stochastic Control and Game Theory I (Regular Session)	
Chair: Cao, Xi-Ren	Hong Kong Univ. of Sci. & Tech.
Co-Chair: Pasik-Duncan, Bozenna	Univ. of Kansas
16:00-16:20	WeC15.1
<i>Sensitivity Analysis of Nonlinear Performance with Probability Distortion</i> , pp. 7785-7790.	
Cao, Xi-Ren	Shanghai Jiao Tong Univ.
16:20-16:40	WeC15.2
<i>Application of Person-By-Person Equilibrium and Performance-Measure Statistics to Distributed Control of Uncertain Stochastic Large-Scale Systems with Time Delays</i> , pp. 7791-7798.	
Pham, Khanh D.	AIR FORCE Res. Lab.
16:40-17:00	WeC15.3
<i>On Stock Trading Over a Lattice Via Linear Feedback</i> , pp. 7799-7804.	
Iwarere, Sesan	Univ. of Wisconsin-Madison
Barmish, B. Ross	Univ. of Wisconsin
17:00-17:20	WeC15.4
<i>Global Finite-Time Stabilization for Stochastic Nonlinear Systems Via Output-Feedback</i> , pp. 7805-7810.	
Zha, Wenting	Southeast Univ.
Zhai, Junyong	Southeast Univ.

Fei, Shumin	Southeast Univ.
17:20-17:40	WeC15.5
<i>Dual Formulation of Controlled Markov Diffusions and Its Application</i> , pp. 7811-7818.	
Ye, Fan	Georgia Inst. of Tech.
Zhou, Enlu	Georgia Inst. of Tech.
17:40-18:00	WeC15.6
<i>A Two-Point Boundary Value Formulation of a Mean-Field Crowd-Averse Game</i> , pp. 7819-7824.	
Bauso, Dario	Univ. di Palermo
Mylvaganam, Thulasi	Imperial Coll. London
Astolfi, Alessandro	Imperial Col. London & Univ. of Rome Tor Vergata
WeC16	1.64 - Yong-Zai Lu
Semantics in Enterprise Integration and Networking (Regular Session)	
Chair: Fortineau, Virginie	Arts et Métiers Paristech
Co-Chair: Perin, Matthieu	CEA, LIST,
16:00-16:20	WeC16.1
<i>Semantic Digital Factory – Using Engineering Knowledge to Create Ontologies for Virtual Training (I)</i> , pp. 7825-7830.	
Gorecky, Dominic	German Res. Center for Artificial Intelligence (DFKI)
Loskyll, Matthias	German Res. Center for Artificial Intelligence (DFKI)
Stahl, Christian	German Res. Center for Artificial Intelligence DFKI
16:20-16:40	WeC16.2
<i>A Concept-Based Approach to Modeling Shared Ontology-Based Models for Industrial Applications (I)</i> , pp. 7831-7836.	
Corniere, Alberic	Arts et Métiers Paristech
Fortineau, Virginie	Arts et Métiers Paristech
Paviot, Thomas	Arts et Métiers Paristech
Lamour, Samir	Arts et Métiers ParisTech
16:40-17:00	WeC16.3
<i>Using Ontologies for Solving Cross-Domain Collaboration Issues (I)</i> , pp. 7837-7842.	
Perin, Matthieu	CEA, LIST,
Wouters, Laurent	CEA
17:00-17:20	WeC16.4
<i>Building an Ontology for Intelligent Maintenance Systems and Spare Parts Supply Chain Integration (I)</i> , pp. 7843-7848.	
Regal da Silva, Thiago	Univ. Federal do Rio Grande do Sul
Pereira, Carlos Eduardo	Federal Univ. of Rio Grande do Sul - UFRGS
17:20-17:40	WeC16.5
<i>Interoperability As a Property of Ubiquitous Healthcare Systems (I)</i> , pp. 7849-7854.	
Zdravkovic, Milan	Faculty of Mechanical Engineering in Niš, Univ. of Niš
Noran, Ovidiu	Griffith Univ.
Trajanović, Miroslav	Univ. of Niš
17:40-18:00	WeC16.6
<i>Dynamic Lines of Collaboration in CPS Disruption Response (I)</i> , pp. 7855-7860.	
Zhong, Hao	Purdue Univ.
Nof, Shimon Y.	Purdue Univ.
Filip, Florin Gheorghe	Romanian Acad.
WeC17	Marco Polo
Energy Management and Grid Interaction for Plug-In Electric Vehicles (Invited Session)	
Chair: Rizzo, Gianfranco	Univ. of Salerno
Co-Chair: van Schoor, George	North-West Univ.
Organizer: Marano, Vincenzo	Univ. of Salerno
Organizer: Sorrentino, Marco	Univ. of Salerno
Organizer: Rizzo, Gianfranco	Univ. of Salerno
16:00-16:20	WeC17.1
<i>An Integrated Tool to Monitor Renewable Energy Flows and Optimize the Recharge of a Fleet of Plug-In Electric Vehicles in the Campus of the University of Salento: Preliminary Results (I)</i> , pp. 7861-7866.	
Donateo, Teresa	Univ. of Salento
Congedo, Paolo Maria	Univ. of salento

Malvoni, Maria	Univ. DEL SALENTO
Ingrosso, Fabio	Univ. Del Salento
Laforgia, Domenico	Univ. of Salento
Ciancarelli, Francesco	Enel Distribuzione
16:20-16:40	WeC17.2
<i>Optimal Selection of Driving Modes Along a Commuter Route for a Plug-In Hybrid Electric Vehicle (I)</i> , pp. 7867-7872.	
Furberg, Andreas	Chalmers Univ. of Tech.
Larsson, Viktor	Chalmers Univ. of Tech.
Egardt, Bo S.	Chalmers Univ. of Tech.
16:40-17:00	WeC17.3
<i>Model Based Estimation of Large-Scale Interconnected Power Systems with Moving PHEV Loads (I)</i> , pp. 7873-7878.	
Khayyer, Pardis	The Ohio State Univ.
Ozguner, Umit	Ohio State Univ.
17:00-17:20	WeC17.4
<i>Analysis of Constraints for Optimal Electric Vehicle Charging (I)</i> , pp. 7879-7885.	
de Hoog, Julian	Univ. of Melbourne
Xia, Lu	Univ. of Melbourne
Alpcan, Tansu	The Univ. of Melbourne
Brazil, Marcus	The Univ. of Melbourne
Thomas, Doreen Anne	Univ. of Melbourne
Mareels, Iven	The Univ. of Melbourne
17:20-17:40	WeC17.5
<i>Electric Drive Vehicle Development and Evaluation Using System Simulation (I)</i> , pp. 7886-7891.	
Rousseau, Aymeric	Argonne National Lab.
Halbach, Shane	Argonne National Lab.
Michaels, Lawrence	Argonne National Lab.
Shidore, Neeraj	Argonne National Lab.
Kim, Namdo	Argonne National Lab.
Kim, Namwook	Argonne National Lab.
Karbowski, Dominik	Argonne National Lab.
Kropinski, Michael	General Motors
WeC18	2.43 - Pedro Albertos
Industrial Applications of Optimal Control (Regular Session)	
Chair: Eriksson, Lars	Linköping Univ.
Co-Chair: Albert, Anders	Norwegian Univ. of Science and Tech.
16:00-16:20	WeC18.1
<i>Finite Element Approximation and Input Parameterization for the Optimal Control of Current Profiles in Tokamak Plasmas</i> , pp. 7892-7897.	
Ren, Zhigang	Zhejiang Univ.
Xu, Chao	Zhejiang Univ.
Lin, Qun	Curtin Univ.
Loxton, Ryan	Curtin Univ.
Teo, Kok Lay	Curtin Univ.
Chu, Jian	Zhejiang Univ.
16:20-16:40	WeC18.2
<i>Mixed Integer Optimal Control in Minimum Time Multi-Points Traversal Problem of Robotic Manipulators</i> , pp. 7898-7903.	
Zhang, Qiang	China Univ. of Petroleum (East China)
Li, Shurong	China Univ. of Petroleum (East China)
Guo, Jian-Xin	Chinese Acad. of Sciences
16:40-17:00	WeC18.3
<i>Frequency Support by Scheduling of Variable-Speed Wind Turbines</i> , pp. 7904-7910.	
De Paola, Antonio	Imperial Coll. London
Angeli, David	Imperial Coll.
Strbac, Goran	Imperial Coll. London
17:00-17:20	WeC18.4
<i>Message Scheduling on CAN Bus for Large-Scaled Ship Engine Systems</i> , pp. 7911-7916.	
Noh, Dong-Hee	School of IT convegecne Engineering

Kim, Dong-Seong	School of Electronic Engineering, Kumoh National Inst. of Tec
17:20-17:40	WeC18.5
<i>Wheel Loader Optimal Transients in the Short Loading Cycle</i> , pp. 7917-7922.	
Nezhadali, Vaheed	Linköping Univ.
Eriksson, Lars	Linköping Univ.
17:40-18:00	WeC18.6
<i>Disturbance Rejection by Feedback Control in Oshore Drilling: Experimental Results</i> , pp. 7923-7928.	
Albert, Anders	Norwegian Univ. of Science and Tech.
Aamo, Ole Morten	NTNU
Godhavn, John-Morten	Statoil
Pavlov, Alexey	Statoil ASA
WeC19	2.46 - Vladimir Kucera
Micro and Nano-Satellites (Regular Session)	
Chair: Schilling, Klaus	Univ. Wuerzburg
Co-Chair: Jafarov, Elbrous M.	Istanbul Tech. Univ.
16:00-16:20	WeC19.1
<i>An Attitude Control System for ZA-AeroSat Subject to Significant Aerodynamic Disturbances</i> , pp. 7929-7934.	
Steyn, Willem Herman	Stellenbosch Univ.
Kearney, Mike-Alec	Univ. of Stellenbosch
16:20-16:40	WeC19.2
<i>An Attitude Control System for the Deployment and Stabilisation of a Tethered Dual CubeSat Mission</i> , pp. 7935-7940.	
Kearney, Mike-Alec	Univ. of Stellenbosch
Steyn, Willem Herman	Stellenbosch Univ.
16:40-17:00	WeC19.3
<i>In-Orbit Calibration of Attitude Determination Systems for Land-Survey Micro-Satellites (I)</i> , pp. 7941-7946.	
Somov, Yevgeny	Samara State Tech. Univ.
Hacizade, Cengiz	Istanbul Tech. Univ.
Butyrin, Sergey	Samara State Tech. Univ.
17:00-17:20	WeC19.4
<i>Integral Sliding Mode Control of Small Satellite Attitude Motion by Purely Magnetic Actuation</i> , pp. 7947-7953.	
Sofyali, Ahmet	Istanbul Tech. Univ.
Jafarov, Elbrous M.	Istanbul Tech. Univ.
17:20-17:40	WeC19.5
<i>Improvement of the Representativity of the Morris Method for Air-Launch-To-Orbit Separation</i> , pp. 7954-7959.	
Sohier, Henri	CNES/Onera
Farges, Jean-Loup	ONERA
Piet-Lahanier, Helene	ONERA
17:40-18:00	WeC19.6
<i>Networked Control of Cooperating Distributed Pico-Satellites (I)</i> , pp. 7960-7964.	
Schilling, Klaus	Univ. Wuerzburg
WeC20	2.63 - Wook Hyun Kwon
Fuzzy Control: Recent Results and Applications (Invited Session)	
Chair: Guerra, Thierry Marie	Univ. of Valenciennes Hainaut-Cambresis
Co-Chair: Lendek, Zsofia	Tech. Univ. of Cluj-Napoca
Organizer: Guerra, Thierry Marie	Univ. of Valenciennes Hainaut-Cambresis
Organizer: Lendek, Zsofia	Tech. Univ. of Cluj-Napoca
16:00-16:20	WeC20.1
<i>Discrete-Time Takagi-Sugeno Descriptor Models: Observer Design (I)</i> , pp. 7965-7969.	
Estrada-Manzo, Victor	Univ. of Valenciennes and Hainaut-Cambresis
Lendek, Zsofia	Tech. Univ. of Cluj-Napoca
Guerra, Thierry Marie	Univ. of Valenciennes Hainaut-Cambresis
16:20-16:40	WeC20.2
<i>Stability Analysis of Nonlinear Models Via Exact Piecewise Takagi-Sugeno Models (I)</i> , pp. 7970-7975.	
Gonzalez, Temoatzin	Sonora Inst. of Tech.

Bernal, Miguel	Sonora Inst. of Tech.
Márquez, Raymundo	Sonora Inst. of Tech.
16:40-17:00	WeC20.3
<i>Nonquadratic Stabilization of Switching TS Systems (I)</i> , pp. 7976-7981.	
Lendek, Zsofia	Tech. Univ. of Cluj-Napoca
Raica, Paula	Tech. Univ. of Cluj-Napoca
Lauber, Jimmy	Univ. of Valenciennes
Guerra, Thierry Marie	Univ. of Valenciennes Hainaut-Cambresis
17:00-17:20	WeC20.4
<i>PB Model-Based FEL and Its Application to Driving Pattern Learning (I)</i> , pp. 7982-7987.	
Eciolaza, Luka	European Centre for Soft Computing
Taniguchi, Tadanari	TOKAI Univ.
Sugeno, Michio	European Centre for Soft Computing
Filev, Dimitar	Ford Motor Company
Wang, Yan	Ford Res. and Advanced Engineering, Ford Motor Company
Michelini, John	Ford Motor Company
17:20-17:40	WeC20.5
<i>Some Refinements on Stability Analysis and Stabilization of Second Order T-S Models Using Line-Integral Lyapunov Functions (I)</i> , pp. 7988-7993.	
Guelton, Kevin	Univ. de Reims Champagne-Ardenne
Cherifi, Abdelmadjid	CRestIC EA3804, Univ. de Reims Champagne-Ardenne
Arcese, Laurent	Univ. de Reims Champagne-Ardenne
17:40-18:00	WeC20.6
<i>Decoupled Nested LMI Conditions for Takagi-Sugeno Observer Design (I)</i> , pp. 7994-7999.	
Márquez, Raymundo	Sonora Inst. of Tech.
Guerra, Thierry Marie	Univ. of Valenciennes Hainaut-Cambresis
Kruszewski, Alexandre	Ec. Centrale de Lille
Bernal, Miguel	Sonora Inst. of Tech.
WeC21	2.64 - Alberto Isidori
Observer Based and Parity Space Based Methods for FDI (Regular Session)	
Chair: Niemann, Henrik	Tech. Univ. of Denmark
Co-Chair: Patton, Ron J.	Univ. of Hull
16:00-16:20	WeC21.1
<i>Fault Detection for a Class of Uncertain Linear Discrete-Time Systems with Intermittent Measurements and Probabilistic Actuator Failures</i> , pp. 8000-8005.	
Li, Yueyang	Univ. of Jinan
Zhong, Maiying	Beihang Univ.
16:20-16:40	WeC21.2
<i>Simultaneous State and Fault Estimation for Descriptor Systems Using an Augmented PD Observer</i> , pp. 8006-8011.	
Shi, Fengming	Univ. of Hull
Patton, Ron J.	Univ. of Hull
16:40-17:00	WeC21.3
<i>Active Fault Isolation in MIMO Systems</i> , pp. 8012-8017.	
Niemann, Henrik	Tech. Univ. of Denmark
Poulsen, Niels Kjølstad	Tech. Univ. of Denmark
17:00-17:20	WeC21.4
<i>Fault Estimation for a Class of Discrete-Time Nonlinear Systems</i> , pp. 8018-8023.	
Wang, Zhenhua	Harbin Inst. of Tech.
Rodrigues, Mickael	Univ. OF LYON 1; LAGEP UMR CNRS 5007
Theilliol, Didier	Univ. of Lorraine
Shen, Yi	Harbin Inst. of Tech.
17:20-17:40	WeC21.5
<i>Improved Actuator-Fault Detection and Isolation Strategy Using Interval Observers and Invariant Sets</i> , pp. 8024-8029.	
Xu, Feng	Tech. Univ. of Catalonia (UPC-BarcelonaTech)
Puig, Vicenc	Univ. Pol. de Catalunya
Ocampo-Martinez, Carlos	Tech. Univ. of Catalonia (UPC)
Stoican, Florin	Pol. Univ. of Bucharest

Olaru, Sorin	Supelec
17:40-18:00	WeC21.6
<i>Closed-Loop Actuator-Fault Detection and Isolation Using Set Tubes and Invariant Sets</i> , pp. 8030-8035.	
Xu, Feng	Tech. Univ. of Catalonia (UPC-BarcelonaTech)
Puig, Vicenc	Univ. Pol. de Catalunya
Ocampo-Martinez, Carlos	Tech. Univ. of Catalonia (UPC)
Stoican, Florin	Pol. Univ. of Bucharest
Olaru, Sorin	Supelec

WeC22	2.65 - Ian Craig
Plant Performance in Manufacturing (Regular Session)	

Chair: Hajej, Zied	Univ. de Metz
Co-Chair: Berrah, Lamia	Savoie Univ.

16:00-16:20	WeC22.1
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Fuzzy Interpretation of Performance Scorecards for Decision-Making in the Industrial Context (I), pp. 8036-8041.

Foulloy, Laurent	Univ. de Savoie
Cliville, Vincent	Univ. de Savoie
Berrah, Lamia	Savoie Univ.

16:20-16:40	WeC22.2
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Joint Optimization Approach of Maintenance Planning and Production Scheduling for a Multiple-Product Manufacturing System (I), pp. 8042-8047.

Mifdal, Lahcen	LGIPM-Lorraine Univ. Metz
Hajej, Zied	Univ. de Metz
Dellagi, Sofiene	Univ. de Metz
Rezg, Nidhal	Metz Univ.

16:40-17:00	WeC22.3
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Inventory Management Using Both Quantitative and Qualitative Criteria in Manufacturing System (I), pp. 8048-8053.

Petrillo, Antonella	Univ. of Cassino
De Felice, Fabio	Univ. of Cassino and Southern Lazio
Falcone, Domenico	Univ. of Cassino and Southern Lazio
Silvestri, Alessandro	Univ. of Cassino and Southern Lazio
Forcina, Antonio	Univ. of Cassino and Southern Lazio

17:00-17:20	WeC22.4
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Performance Evaluation of Preventive Maintenance Considering Transportation Delays (I), pp. 8054-8059.

Ramirez Restrepo, Laura Maria	Lorraine Univ. - LGIPM
Aguezoul, Aicha	Lorraine Univ.
Hennequin, Sophie	ENIM

17:20-17:40	WeC22.5
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Evaluation of the Quality of a Program Code for High Operation Risk Plants (I), pp. 8060-8065.

Jharko, Elena	V.A. Trapeznikov Inst. of Control Sciences
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17:40-18:00	WeC22.6
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Fault Prognosis for Discrete Manufacturing Processes, pp. 8066-8072.

Nguyen, Thi Bich Lien	LSIS, Aix-Marseille Univ.
Djeziri, Mohand Arab	Univ. Paule Cézanne
Ananou, Bouchra	LSIS
Ouladsine, Mustapha	Univ. d'aix marseille III
Pinaton, Jacques	STMICROELECTRONICS

WeC23	2.66
Multi-Vehicle Systems (Regular Session)	

Chair: Aguiar, A. Pedro	Faculty of Engineering, Univ. of Porto (FEUP)
Co-Chair: Indiveri, Giovanni	Univ. of Salento

16:00-16:20	WeC23.1
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A Fast Algorithm for Planning Optimal Platoon Speeds on Highway, pp. 8073-8078.

Ma, Xiaoliang	Royal Inst. of Tech.
Qichen, Deng	Royal Inst. of Tech. KTH

16:20-16:40	WeC23.2
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Cooperative and Consensus-Based Approaches to Formation Control of Autonomous Vehicles, pp. 8079-8084.

Bartels, Marcus
Werner, Herbert

Hamburg Univ. of Tech.
Hamburg Univ. of Tech.

16:40-17:00 WeC23.3

Identifying Rigidity-Preserving Bipartitions in Planar Multi-Robot Networks (I), pp. 8085-8090.

Carboni, Daniela
Williams, Ryan
Gasparri, Andrea
Ulivi, Giovanni
Sukhatme, Gaurav

The Department of Informatics and Automation at the RomaTre Univ.
Univ. of Southern California
Univ. of Roma Tre
Univ. di Roma Tre
USC

17:00-17:20 WeC23.4

Two-Sided Wave-Absorbing Control of a Heterogenous Vehicular Platoon, pp. 8091-8096.

Martinec, Dan
Herman, Ivo
Sebek, Michael

Czech Tech. Univ. in Prague
Czech Tech. Univ. in Prague
Czech Tech. Univ. in Prague

17:20-17:40 WeC23.5

Effect of Wheel Slip in the Coordination of Wheeled Mobile Robots, pp. 8097-8102.

Konduri, Shyamprasad
Cobos Torres, Edison Orlando
Pagilla, Prabhakar R.

Oklahoma State Univ.
Oklahoma State Univ.
Oklahoma State Univ.

17:40-18:00 WeC23.6

Multilevel Reconfiguration Strategy for the System of Systems Engineering: Application to Platoon of Vehicles, pp. 8103-8109.

Kumar, Pushpendra
Merzouki, Rochdi
Conrard, Blaise
Ould Bouamama, Belkacem

LAGIS, Pol. Lille, Univ. of Science and Tech.
Ec. Pol. Univ. de Lille
LAGIS-CNRS, UMR 8146 - USTL
Ec. Pol. de Lille

WeC24 Francis Drake
Sensing and Control in Agriculture (Regular Session)

Chair: Feliu, Vicente
Co-Chair: Karkee, Manoj

Univ. of Castilla-La Mancha
Washington State Univ.

16:00-16:20 WeC24.1

*Identification of Repetitive Apples for Improved Crop-Load Estimation with Dual-Side Imaging**.

Gongal, Aleana
Karkee, Manoj
Amatya, Suraj
Zhang, Qin
Lewis, Karen

Washington State Univ.
Washington State Univ.
Washington State Univ.
Washington State Univ.
Washington State Univ.

16:20-16:40 WeC24.2

Nonlinear Robust Visual Servo Control for Robotic Citrus Harvesting, pp. 8110-8115.

Mehta, Siddhartha
MacKunis, William
Burks, Thomas

Univ. of Florida
Embry-Riddle Aeronautical Univ.
Univ. of Florida

16:40-17:00 WeC24.3

Event-Based Predictive Control Triggered by Input and Output Deadband Conditions, pp. 8116-8121.

Pawlowski, Andrzej
Guzman, Jose Luis
Berenguel, Manuel
Dormido, Sebastián
Fernández Sedano, Ignacio

Univ. of Almeria
Univ. of Almeria
Univ. of Almeria
UNED
Univ. of Almeria

17:00-17:20 WeC24.4

Applications of Intelligent Machine Vision in Plant Factory, pp. 8122-8127.

Hendrawan, Yusuf
Firmanda Al Riza, Dimas
Murase, Haruhiko

Univ. of Brawijaya
Univ. of Brawijaya
Osaka Prefecture Univ.

17:20-17:40 WeC24.5

Controlling Plant Circadian Clock by Pulse Perturbation Based on Phase Response Curve, pp. 8128-8133.

Ukai, Kazuya
Fukuda, Hirokazu
Murase, Haruhiko

Osaka Prefecture Univ.
Osaka Prefecture Univ.
Osaka Prefecture Univ.

WeC25		Poster area
Interactive Session on Non-Linear, Optimal and Distributed Parameter Systems (Interactive Session)		
Chair: Marconi, Lorenzo		Univ. di Bologna
Co-Chair: Calafiore, Giuseppe		Pol. di Torino
16:00-18:00		WeC25.1
<i>Design of Invariant Systems on the Base of Vortex Algorithm</i> , pp. 8134-8139.		
Kochetkov, Sergey		Institute of Control Sciences
Utkin, Victor		ICS
16:00-18:00		WeC25.2
<i>Discrete-Time Robust Steady-State Control of Nonlinear Multivariable Systems: A Unified Approach</i> , pp. 8140-8145.		
Zhiteckii, Leonid		Inst. of Cybernetics
Azarskov, Valerii		National Aviation Univ.
Solovchuk, Klavdiia		National Aviation Univ.
Sushchenko, Olga		National Aviation Univ.
16:00-18:00		WeC25.3
<i>Sampled-Parameter Feedback Control of Discrete-Time Linear Stochastic Parameter-Varying Systems</i> , pp. 8146-8151.		
Cetinkaya, Ahmet		Tokyo Inst. of Tech.
Hayakawa, Tomohisa		Tokyo Inst. of Tech.
16:00-18:00		WeC25.4
<i>An Improved APSO-SQP with Adaptive Transition Strategy for Dynamic Optimization</i> , pp. 8152-8157.		
Dong, Fang		Zhejiang Univ.
Zhang, Jianming		Zhejiang Univ.
Xie, Lei		National Key Lab. of Industrial Control Tech.
Zhao, Huining		Zhejiang Univ.
He, Xiongxiang		Zhejiang Univ. of Tech.
16:00-18:00		WeC25.5
<i>A Stabilizing PID Controller Sampling Procedure for Stochastic Optimizers</i> , pp. 8158-8163.		
Reynoso-Meza, Gilberto		Univ. Pol. de Valencia
Sanchis, Javier		Pol. Univ. of Valencia
Blasco, Xavier		Pol. Univ. of Valencia
Herrero Durá, Juan Manuel		Pol. Univ. of Valencia
16:00-18:00		WeC25.6
<i>A New Recursive Identification Method for Weighted Criterion</i> , pp. 8164-8169.		
Luo, Guiming		Tsinghua Univ.
Zhao, Yue		Tsinghua Univ.
Zhang, Yulai		Tsinghua Univ.
16:00-18:00		WeC25.7
<i>Analysis of Linear Quantum Optical Networks</i> , pp. 8170-8175.		
Petersen, Ian R		Univ. of New South Wales at the Australian Defence Force Academy
16:00-18:00		WeC25.8
<i>Robust Nonlinear Regulation: Continuous Internal Models and Hybrid Identifiers</i> , pp. 8176-8181.		
Forte, Francesco		Univ. of Bologna
Marconi, Lorenzo		Univ. di Bologna
WeP22		Auditorium 1
The Impact of Model-Based Design on Controls, Today and in the Future (Plenary Session)		
Chair: Mareels, Iven		The Univ. of Melbourne
18:15-19:15		WeP22.1
<i>The Impact of Model-Based Design on Controls, Today and in the Future*</i> .		
Little, Jack		MathWorks

Technical Program for Thursday August 28, 2014

ThP11	Auditorium 1
Cybergenetics: Feedback Control of Living Cells at the Gene Level (Plenary Session)	
Chair: Zaytoon, Janan	Univ. of Reims
08:30-09:30	ThP11.1
<i>Cybergenetics: Feedback Control of Living Cells at the Gene Level</i> .*	
Khammash, Mustafa H.	Swiss Federal Inst. of Tech. (ETH)
ThA01	Ballroom East - Harold Chestnut
Power System Stability II (Regular Session)	
Chair: Aldeen, Mohammad	The Univ. of Melbourne
Co-Chair: Ulbig, Andreas	ETH Zurich
10:00-10:20	ThA01.1
<i>Emergency Control Strategy Based on Wide Area Synchronized Measurements for Transient Stability Enhancement</i> , pp. 8182-8187.	
Gomez, Francisco R.	Electranix Corp.
Rajapakse, Athula	Univ. of Manitoba
10:20-10:40	ThA01.2
<i>Voltage Stability Margins and Risk Assessment in Smart Power Grids (I)</i> , pp. 8188-8195.	
Aldeen, Mohammad	The Univ. of Melbourne
Saha, Sajeeb	The Univ. of Melbourne
Alpcan, Tansu	The Univ. of Melbourne
10:40-11:00	ThA01.3
<i>Dynamic Parameter Estimation of Inter-Area Oscillations in a Power System by a Combination of Kalman-Filtering and Wavelet Transformation Techniques</i> , pp. 8196-8201.	
Maurer, Markus	Univ. of Stuttgart
Gutekunst, Florian	Univ. of Stuttgart, IFK
Scheffknecht, Günter	Univ. Stuttgart
11:00-11:20	ThA01.4
<i>Nyquist Stability Analysis of a VSC-HVDC System Using a Distributed Parameter DC-Cable Model</i> , pp. 8202-8209.	
Song, Yujiao	chalmers Univ. of Tech.
Breitholtz, Claes	Chalmers Univ. of Tech.
11:20-11:40	ThA01.5
<i>On the Stability of Generators Load Sharing</i> , pp. 8210-8217.	
Omer, Hosam Eldin	Univ. of Khartoum
Karrar, Abdelrahman	Univ. of Khartoum
Mahjoub, Khalid	Univ. of Khartoum
11:40-12:00	ThA01.6
<i>Neuro-Controllers for Synchronous Generators (I)</i> , pp. 8218-8222.	
Magangane, Luyolo Nqobile	Univ. of Cape Town
Folly, Komla	Univ. of Cape Town
ThA02	Ballroom West - Aleksander Letov
Stabilization of Nonlinear Systems (Regular Session)	
Chair: Manchester, Ian	Massachusetts Inst. of Tech.
Co-Chair: Montenbruck, Jan Maximilian	Univ. of Stuttgart
10:00-10:20	ThA02.1
<i>Control Contraction Metrics and Universal Stabilizability</i> , pp. 8223-8228.	
Manchester, Ian	Massachusetts Inst. of Tech.
Slotine, Jean-Jacques E.	Massachusetts Inst. of Tech.
10:20-10:40	ThA02.2
<i>Extremum Seeking and Obstacle Avoidance on the Special Orthogonal Group</i> , pp. 8229-8234.	
Montenbruck, Jan Maximilian	Univ. of Stuttgart
Dürr, Hans-Bernd	Univ. of Stuttgart
Ebenbauer, Christian	Stuttgart Univ.
Allgower, Frank	Univ. of Stuttgart

10:40-11:00	ThA02.3
<i>Analysis of Scale Invariance Property Applying Homogeneity</i> , pp. 8235-8240.	
Efimov, Denis	INRIA - LNE
Bernuau, Emmanuel	Univ. of Pisa, Department of Engineering, 'E. Piaggio' Cent
Perruquetti, Wilfrid	Ec. Centrale de Lille
11:00-11:20	ThA02.4
<i>Design and Analysis of Energy-Based Controller for 3-Link Robots with a Single Actuator</i> , pp. 8241-8246.	
Xin, Xin	Okayama Prefectural Univ.
Liu, Yannian	Okayama Univ.
Sun, Changyin	Southeast Univ.
11:20-11:40	ThA02.5
<i>Vector Lyapunov Function Based Stability of a Class of Applications Relevant \mathbb{R}^2 Nonlinear Systems</i> , pp. 8247-8252.	
Emelianova, Julia	Arzamas Pol. Inst. of R.E. Alekseev NSTU
Pakshin, Pavel	Arzamas Pol. Inst. of R.E. Alekseev NSTU
Galkowski, Krzysztof	Univ. of Zielona Gora
Rogers, Eric	Univ. of Southampton
11:40-12:00	ThA02.6
<i>Phase-Detector Characteristic of Classical PLL for General Case of Linear Filter</i> , pp. 8253-8258.	
Kuznetsov, Nikolay	Saint-Petersburg State Univ.
Leonov, Gennady	Saint-Peterburg State Univ.
Yulashev, Marat	Univ. of Jyvaskyla
Yuldashev, Renat	Univ. of Jyvaskyla
ThA03	Auditorium 2 - Eduard Gerecke
Fault Detection and Diagnosis II (Regular Session)	
Chair: Pelckmans, Kristiaan	Uppsala Univ.
Co-Chair: Budman, Hector M.	Univ. of Waterloo
10:00-10:20	ThA03.1
<i>An Improved Detection Statistic for Systems with Unsteady Trend</i> , pp. 8259-8264.	
He, Zhangming	NUDT
Haiyin, Zhou	NUDT
Jiongqi, Wang	NUDT
Chen, Zhiwen	Inst. for Automatic Control and Complex Systems, Univ.
Ding, Steven X.	Univ. of Duisburg-Essen
10:20-10:40	ThA03.2
<i>Set-Membership Fault Detection under Noisy Environment in Aircraft Control Surface Servo-Loops</i> , pp. 8265-8271.	
Combastel, Christophe	ENSEA
Thabet, Rihab El Houda	Univ. Bordeaux I
Raïssi, Tarek	Conservatoire National des Arts et Métiers
Zolghadri, Ali	Univ. Bordeaux I
Gucik-Derigny, David	Univ. of Bordeaux, IMS Lab.
10:40-11:00	ThA03.3
<i>Process-Quality Monitoring Using Semi-Supervised Probability Latent Variable Regression Models</i> , pp. 8272-8277.	
Zhou, Le	Zhejiang Univ.
Song, Zhi-Huan	Zhejiang Univ.
Chen, Junghui	Chung-Yuan Christian Univ.
Ge, Zhiqiang	Zhejiang Univ.
Zhao, Li	Zhejiang Univ.
11:00-11:20	ThA03.4
<i>Fault Diagnosis Methodology Based on Nonlinear System Modelling and Frequency Analysis</i> , pp. 8278-8285.	
Bayma, Rafael Suzuki	Univ. Federal do Pará
Lang, Zi-Qiang	Univ. of Sheffield
11:20-11:40	ThA03.5
<i>Data-Driven Anomaly Detection Based on a Bias Change</i> , pp. 8286-8292.	
Bittencourt, André C.	Linköpings Univ.
Schön, Thomas Bo	Uppsala Univ.
11:40-12:00	ThA03.6

ThA04		Roof Terrace - John Coales
Advances in Consensus (Regular Session)		
Chair: Werner, Herbert		Hamburg Univ. of Tech.
Co-Chair: Liu, Guoping		Univ. of Glamorgan
10:00-10:20		ThA04.1
<i>Edge-Event Based Consensus in Networks with Common Time-Varying Delays</i> , pp. 8299-8304.		
Xiao, Feng		Harbin Inst. of Tech.
Chen, Tongwen		Univ. of Alberta
Gao, Huijun		Harbin Inst. of Tech.
10:20-10:40		ThA04.2
<i>Consensus of Multi-Agent Systems: A Relative-Input-Output Approach</i> , pp. 8305-8310.		
Yu, Jen-te		National Taiwan Univ.
Fu, Li-Chen		National Taiwan Univ.
10:40-11:00		ThA04.3
<i>Spacecraft Attitude Synchronization and Formation Keeping Using Line of Sight Measurements</i> , pp. 8311-8316.		
Warier, Rakesh		IIT Bombay
Sinha, Arpita		Indian Inst. of Tech. Bombay
Srikant, Sukumar		Indian Inst. of Tech. Bombay
11:00-11:20		ThA04.4
<i>A Decentralized Asymmetric Weighting Approach for Improved Convergence of Multi-Agent Systems with Undirected Interaction</i> , pp. 8317-8322.		
Schug, Ann-Kathrin		Hamburg Univ. of Tech.
Eichler, Annika		Hamburg Univ. of Tech. Germany
Werner, Herbert		Hamburg Univ. of Tech.
11:20-11:40		ThA04.5
<i>Distributed Concurrent Targeting for Linear Arrays of Point Sources</i> , pp. 8323-8328.		
Zhang, Fan		Univ. of Groningen
Ramazi, Pouria		Groningen Univ.
Cao, Ming		Univ. of Groningen
11:40-12:00		ThA04.6
<i>Consensus of Singular Multi-Agent Systems Based on Networked Predictive Control</i> , pp. 8329-8334.		
Yang, Xin-Rong		Harbin Inst. of Tech.
Liu, Guoping		Univ. of Glamorgan
ThA05		Da Gama/Diaz
Process Control (Regular Session)		
Chair: Rossiter, J. Anthony		Univ. of Sheffield
Co-Chair: Romero Segovia, Vanessa		Lund Univ.
10:00-10:20		ThA05.1
<i>Quality Control of Batch Process Using Natural Gradient Based Model-Free Optimization</i> , pp. 8335-8340.		
Lu, Ningyun		Nanjing Univ. of Aeronautics and Astronautics
Zhao, Fei		Nanjing Univ. of Aeronautics and Astronautics
Lu, Jianhua		Southeast Univ.
Qi, Ruiyun		Nanjing Univ. of Aeronautics and Astronautics
10:20-10:40		ThA05.2
<i>Combined Approach of Fuzzy Decision Making and Predictive Functional Control to Minimize Variations of Manipulated Variables in Processes with Dead Time</i> , pp. 8341-8346.		
Aissa, Tarek		Univ. of Applied Science Fulda
Arnold, Christian		Univ. of Applied Sciences Fulda
Lambeck, Steven		Univ. of Applied Science Fulda
10:40-11:00		ThA05.3
<i>Structured Optimisation Dynamics for Robust Triple Mode Predictive Control</i> , pp. 8347-8352.		
Khan, Bilal		Univ. of Sheffield

Rossiter, J. Anthony	Univ. of Sheffield
11:00-11:20	ThA05.4
<i>Hinf State Feedback Control for Switched Linear Systems: Application to an Engine Air Path System</i> , pp. 8353-8358.	
Ngo, Caroline	INPG
Koenig, D.	Inpg - Esisar
Sename, Olivier	Grenoble Inst. of Tech. / GIPSA-Lab.
Bechart, Hubert	RENAULT
11:20-11:40	ThA05.5
<i>Design of Measurement Noise Filters for PID Control</i> , pp. 8359-8364.	
Romero Segovia, Vanessa	Lund Univ.
Hagglund, Tore	Lund Univ.
Astrom, Karl J.	Lund Univ.
ThA06	2.41 Pawel Nowacki
Identification and Control Methods in Mechatronics (Regular Session)	
Chair: Feliu, Vicente	Univ. of Castilla-La Mancha
Co-Chair: Gautier, Maxime	Univ. of Nantes/IRCCyN
10:00-10:20	ThA06.1
<i>Robust Impedance Active Control of Flight Control Devices</i> , pp. 8365-8371.	
Condomines, Jean Philippe	ISAE
Defay, Francois	ISAE
Alazard, Daniel	Univ. de Toulouse - ISAE
10:20-10:40	ThA06.2
<i>H-Infinity Synthesis Method for Control of Non-Linear Flexible Joint Models</i> , pp. 8372-8377.	
Axelsson, Patrik	Linköping Univ. Sweden
Pipeleers, Goele	Katholieke Univ. Leuven
Helmersson, Anders	Linköpings Univ.
Norrlof, Mikael	Linköping Univ.
10:40-11:00	ThA06.3
<i>Control of 400 Watt Belt-Drive and 400 Watt Ball-Screw Servo Systems Using Discrete-Time Variable Structure Control</i> , pp. 8378-8383.	
Bahn, Wook	Seoul National Univ.
Lee, Sang-Hoon	RS Automation
Lee, Sang-Sub	RS Automation
Cho, Dong-il Dan	Seoul National Univ.
11:00-11:20	ThA06.4
<i>Implementation of Robust EPSAC on Dynamic Walking of COMAN Humanoid</i> , pp. 8384-8390.	
Castaña, Juan Alejandro	istituto italiano di tecnologia
Hernandez, Andres	Ghent Univ. Belgium
Li, Zhibin	Istituto Italiano di Tecnologia
Zhou, Chengxu	istituto italiano di tecnologia
Tsagarakis, Nikolaos	istituto italiano di tecnologia
Caldwell, Darwin G.	istituto italiano di tecnologia
De Keyser, Robin M.C.	Ghent Univ.
11:20-11:40	ThA06.5
<i>Dynamic Identification of the Kuka LWR Robot Using Motor Torques and Joint Torque Sensors Data</i> , pp. 8391-8396.	
Jubien, Anthony	IRCCyN/ONERA
Gautier, Maxime	Univ. of Nantes/IRCCyN
Janot, Alexandre	ONERA
11:40-12:00	ThA06.6
<i>Online Algebraic Identification of the Payload Changes in a Single-Link Flexible Manipulator Moving under Gravity</i> , pp. 8397-8402.	
San-Millan, Andres	Univ. of Castilla-La Mancha
Cambera, Juan Carlos	Univ. of Castilla-La Mancha
Feliu, Vicente	Univ. of Castilla-La Mancha

ThA07	2.44 - Victor Broida
Cardiopulmonary Modelling and Control (Regular Session)	

Chair: Andreassen, Steen	Aalborg Univ.
Co-Chair: Misgeld, Berno	RWTH Aachen Univ.
10:00-10:20	ThA07.1
<i>Clinical Utilisation of Respiratory Elastance (CURE): Pilot Trials for the Optimisation of Mechanical Ventilation Settings for the Critically Ill (I)</i> , pp. 8403-8408.	
Davidson, Shaun M	Univ. of Canterbury
Redmond, Daniel Paul	Univ. of Canterbury
Laing, Hamish	Univ. of Canterbury
White, Richard	Univ. of Canterbury
Radzi, Faizi	Univ. of Canterbury
Chiew, Yeong Shiong	Univ. of Canterbury
Poole, Sarah F	Univ. of Canterbury
Damanhuri, Nor Salwa	Univ. of Canterbury
Desaive, Thomas	Univ. of Liege
Shaw, Geoffrey M	Christchurch Hospital, Canterbury District Health Board
Chase, J. Geoffrey	Univ. of Canterbury
10:20-10:40	ThA07.2
<i>A Systemic Mock Circulation for In-Vitro Testing of a Pneumatically Operated Left Ventricular Assist Device</i> , pp. 8409-8414.	
Karabegovic, Alen	Vienna Univ. of Tech.
Hinteregger, Markus	Vienna Univ. of Tech.
Janeczek, Christoph	Vienna Univ. of Tech.
Reichenfeller, Werner	Vienna Univ. of Tech.
Soragnese, Vincenzo	Medical Univ. of Vienna
Mohl, Werner	Medical Univ. of Vienna
Gfoehler, Margit	Vienna Univ. of Tech.
10:40-11:00	ThA07.3
<i>Detection of Arrhythmic Events by Means of Trend Prediction of Physiological Time Series in Phealth Systems (I)</i> , pp. 8415-8420.	
Rocha, Teresa	Inst. Superior de Eng de Coimbra
Paredes, Simão	Inst. Superior de Eng de Coimbra
Carvalho, PAulo	CISUC - Univ. of Coimbra
Henriques, Jorge	Univ. of Coimbra
11:00-11:20	ThA07.4
<i>Controlled Drug Administration by a Fractional PID</i> , pp. 8421-8426.	
Sopasakis, Pantelis	IMT Inst. for Advanced Studies Lucca
Sarimveis, Haralambos	National Tech. Univ. of Athens
11:20-11:40	ThA07.5
<i>Adaptive Control of Bivalirudin in the Cardiac Intensive Care Unit</i> , pp. 8427-8432.	
Zhao, Qi	Boston Univ.
Edrich, Thomas	Brigham and Women's Hospital
Paschalidis, Ioannis	Boston Univ.
11:40-12:00	ThA07.6
<i>A Mathematical Model for Simulating Respiratory Control During Support Ventilation Modes</i> , pp. 8433-8438.	
Larraza, Sebastian	Aalborg Univ.
Dey, Nilanjan	REGIONS HOSPITAL HERNING, REGION MIDT
Karbing, Dan Stieper	Aalborg Univ.
Nygaard, Morten	Hospitalsenheden Vest, Herning, Department of Anaesthesiology
Winding, Robert	Regional Hospital Herning
Rees, Stephen Edward	Aalborg Univ.
ThA08	2.61 - John Lozier
Sensing and Estimation for Automotive Applications (Regular Session)	
Chair: Anwar, Sohel	Purdue School of Engr. & Tech.
Co-Chair: Formentin, Simone	Univ. degli studi di Bergamo
10:00-10:20	ThA08.1
<i>Online Estimation of Vehicle Load and Mass Distribution for Ground Vehicles</i> , pp. 8439-8444.	
Bottelli, Stefano	Pol. di Milano
Tanelli, Mara	Pol. di Milano
Boniolo, Ivo	E-SHOCK SRL

Savaresi, Sergio	Pol. di Milano
10:20-10:40	ThA08.2
<i>Adaptive Control Scheme for Road Profile Estimation: Application to Vehicle Dynamics</i> , pp. 8445-8450.	
Doumiati, Moustapha	Univ. de Tech. de Compiègne
Erhart, Sebastian	Tech. Univ. München
Martinez, John-Jairo	Gipsa-Lab.
Sename, Olivier	Grenoble Inst. of Tech. / GIPSA-Lab.
Dugard, Luc	Gipsa-Lab. CNRS Grenoble
10:40-11:00	ThA08.3
<i>A New Speed Measurement Sensor Using Difference Structure</i> , pp. 8451-8456.	
Dou, Fengshan	Coll. of Mechatronics and Automation , National Univ. of
Dai, Chunhui	National Univ. of Defense Tech.
Long, Zhiqiang	Coll. of Mechatronics and Automation , National Univ. of
11:00-11:20	ThA08.4
<i>Drive-By-Wire for an Autonomous Formula SAE Car</i> , pp. 8457-8462.	
Kalinowski, Jordan	UWA
Drage, Thomas	UWA
Braunl, Thomas	UWA
11:20-11:40	ThA08.5
<i>An Electrical Capacitance Based Measurement Method for Soot Load Estimation in a Diesel Particulate Filter (I)</i> , pp. 8463-8468.	
Huq, Ragibul	IUPUI
Anwar, Sohail	Purdue School of Engr. & Tech.
11:40-12:00	ThA08.6
<i>Model-Based Rack Force Estimation for Electric Power Steering</i> , pp. 8469-8474.	
Fankem Fankem, Steve Armand	Univ. of Kaiserslautern, Inst. of Mechatronics in Mecha
Weiskircher, Thomas	Univ. of Kaiserslautern
Mueller, Steffen	Tech. Univ. of Kaiserslautern
ThA09	1.41 - Uolevi Luoto
Robotic Manipulators I (Regular Session)	
Chair: Costa, Ramon R.	COPPE - Federal Univ. of Rio de Janeiro
Co-Chair: Hsu, Liu	COPPE - Federal Univ. of Rio de Janeiro
10:00-10:20	ThA09.1
<i>Inverse Kinematics of Serial Manipulators in Cluttered Environments Using a New Paradigm of Particle Swarm Optimization</i> , pp. 8475-8480.	
Falconi, Riccardo	Univ. of Bologna
Grandi, Raffaele	Univ. of Bologna
Melchiorri, Claudio	Univ. of Bologna
10:20-10:40	ThA09.2
<i>Networked Embedded Control of Modular Robot Manipulators Using VDC</i> , pp. 8481-8486.	
Zhu, Wen-Hong	Canadian Space Agency
Lamarche, Tom	Canadian Space Agency
Dupuis, Erick	Canadian Space Agency
Liu, Guangjun	Ryerson Univ.
10:40-11:00	ThA09.3
<i>Optimal Control of Variable Stiffness Actuators with Nonlinear Springs</i> , pp. 8487-8495.	
Özparpucu, Mehmet Can	DLR
Haddadin, Sami	Leibniz Univ. Hanover
Albu-Schaeffer, Alin	German Aerospace Center (DLR)
11:00-11:20	ThA09.4
<i>Overcoming Kinematic Singularities with the Filtered Inverse Approach</i> , pp. 8496-8502.	
Vargas, Lucas Vares	Federal Univ. of Rio de Janeiro
Leite, Antonio C.	Federal Univ. of Rio de Janeiro
Costa, Ramon R.	COPPE - Federal Univ. of Rio de Janeiro
11:20-11:40	ThA09.5
<i>Multi-Agent Control Approach for Autonomous Mobile Manipulators: Simulation Results on RobuTER/ULM</i> , pp. 8503-8508.	
Hentout, Abdelfetah	Centre for Development of Advanced Tech. (CDTA)

11:40-12:00	ThA09.6
<i>An Analytical Solution to Operational Space Control of Robotic Manipulators with Kinematic Constraints</i> , pp. 8509-8515.	
Pham, Cong Dung	Norwegian Univ. of Life Sciences
Coutinho, Fernando	Federal Univ. of Rio de Janeiro
Lizarralde, Fernando	Federal Univ. of Rio de Janeiro
Hsu, Liu	COPPE - Federal Univ. of Rio de Janeiro
From, Pål Johan	Norwegian Univ. of Life Sciences

ThA10	1.42 - Yoshikazu Sawaragi
Process Control Applications III (Regular Session)	

Chair: Zhang, Weidong	Shanghai Jiaotong Univ.
Co-Chair: Yang, Zhenyu	Aalborg Univ.

10:00-10:20	ThA10.1
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<i>Intelligent Operational Feedback Control for Fused Magnesium Furnace</i> , pp. 8516-8521.	
Wu, Zhiwei	Northeastern Univ.
Chai, Tianyou	Northeastern Univ.
Sun, Jing	Univ. of Michigan

10:20-10:40	ThA10.2
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<i>Learning Control for Riser-Slug Elimination and Production-Rate Optimization for an Offshore Oil and Gas Production Process</i> , pp. 8522-8527.	
Pedersen, Simon	Aalborg Univ. Esbjerg
Durdevic, Petar	Aalborg Univ. Esbjerg
Yang, Zhenyu	Aalborg Univ.

10:40-11:00	ThA10.3
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<i>Prototypical Automatic Code Generation from Simulink to SPPA-T3000*</i> .	
Schneider, Michael	Tech. Univ. München
Bayrak, Gülден	Tech. Univ. München
Rehberger, Sebastian	Tech. Univ. München
Reinschke, Johannes	Siemens AG
Al-Hage Ali, Ali	Siemens AG
Zindler, Axel	Siemens AG
Mettenleiter, Manuel	Siemens AG
Vogel-Heuser, Birgit	Tech. Univ. of Munich

11:00-11:20	ThA10.4
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<i>Control System Design by Multicriteria Selection in Microwave Sintering Processes</i> , pp. 8528-8533.	
Garcia-Nieto, Sergio	Pol. Univ. of Valencia
Reynoso-Meza, Gilberto	Univ. Pol. de Valencia
Borrell, Amparo	Pol. Univ. of Valencia
Penaranda-Foix, Felipe	Univ. Pol. de Valencia

11:20-11:40	ThA10.5
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<i>Modelling and Decentralized Adaptive Model Predictive Control for Alumina Trihydrate Precipitation Process</i> , pp. 8534-8539.	
Liu, Zheng	Central South Univ.
Peng, Xiaoqi	Hunan First Normal Univ.
Song, Yanpo	Central South Univ.

11:40-12:00	ThA10.6
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<i>A Multi-Step Robust Model Predictive Control Scheme for Polytopic Uncertain Multi-Input Systems</i> , pp. 8540-8545.	
Zhang, Langwen	Shanghai Jiao Tong Univ.
Wang, Jingcheng	Shanghai JiaoTong Univ.
Wang, Bohui	Shanghai Jiao Tong Univ.

ThA11	1.43 - Tibor Vamos
Robust Fault Detection and Diagnosis Systems (Regular Session)	

Chair: Ossmann, Daniel	German Aerospace Center (DLR)
Co-Chair: Cocquempot, Vincent	LAGIS - LILLE 1 Univ.

10:00-10:20	ThA11.1
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<i>Nonlinear Model Based Fault Detection of Lithium Ion Battery Using Multiple Model Adaptive Estimation (I)</i> , pp. 8546-8551.	
Sidhu, Amardeep Singh	IUPUI

Izadian, Afshin Anwar, Sohel	Purdue School of Engineering and Tech. Indianapolis Purdue School of Engr. & Tech.
10:20-10:40	ThA11.2
<i>A Novel Design of Unknown Input Observer for Fault Diagnosis in Non-Minimum Phase Systems</i> , pp. 8552-8557.	
Termehchy, Atefe Afshar, Ahmad	Amirkabir Univ. of Tech. Amir-kabir Univ. of Tech.
10:40-11:00	ThA11.3
<i>Adaptive High-Gain Observer for Joint State and Parameter Estimation: A Comparison to Extended and Unscented Kalman Filter</i> , pp. 8558-8563.	
Riva, Mauro Hernan Dagen, Matthias Ortmaier, Tobias	Leibniz Univ. Hannover Leibniz Univ. Hannover Gottfried Wilhelm Leibniz Univ. Hannover
11:00-11:20	ThA11.4
<i>Fault Detection Observer Design Using Time and Frequency Domain Specifications</i> , pp. 8564-8569.	
Yang, Jingwen Hamelin, Frédéric Sauter, Dominique D.J.	lorraine Univ. Univ. of Lorraine Univ. of Lorraine
11:20-11:40	ThA11.5
<i>Optimization Based Tuning of Fault Detection and Diagnosis Systems for Safety Critical Systems</i> , pp. 8570-8575.	
Ossmann, Daniel	German Aerospace Center (DLR)
11:40-12:00	ThA11.6
<i>Fault Tolerant Control Strategy for an Overactuated Autonomous Vehicle Path Tracking</i> , pp. 8576-8582.	
Haddad, Alain Aitouche, Abdel Cocquempot, Vincent	LAGIS, Lille 1 Univ. LAGIS/HEI LAGIS - LILLE 1 Univ.
ThA12	1.44 - Manfred Thoma
Energy Storage and Fuel Cells I (Regular Session)	
Chair: Venayagamoorthy, Ganesh Co-Chair: Majanne, Yrjö	Clemson Univ. Tampere Univ. of Tech.
10:00-10:20	ThA12.1
<i>Development of a Charge Path Optimization Controller Block for a Battery Energy Storage System (I)</i> , pp. 8583-8587.	
de Groot, Robert Joannes Wilhelmus Vonk, Bram Beckers, Hans Slootweg, Johannes	Eindhoven Univ. of Tech. Enexis B.V. Eindhoven Univ. of Tech. Eindhoven Univ. of Tech.
10:20-10:40	ThA12.2
<i>Fuel Cell System Control under Converter Losses with Experimental Results</i> , pp. 8588-8593.	
Ghanes, Malek Bethoux, Olivier Hilairret, Mickael Barbot, Jean Pierre	ENSEA Ensea Univ. de Franche-Comté ENSEA
10:40-11:00	ThA12.3
<i>Optimal Scheduling Methods to Integrate Plug-In Electric Vehicles with the Power System: A Review</i> , pp. 8594-8603.	
Yang, Zhile Li, Kang Foley, Aoife Zhang, Cheng	Queen's Univ. Belfast Queen's Univ. Belfast Queen's Univ. Belfast Queen's Univ. Belfast
11:00-11:20	ThA12.4
<i>Smart Charging and Discharging of Electric Vehicles to Support the Grid with High Penetration of Renewable Energy (I)</i> , pp. 8604-8609.	
Nguyen, Hoang Zhang, Cishen Mahmud, Md. Apel	Swinburne Univ. of Tech. Swinburne Univ. of Tech. Swinburne Univ. of Tech.
11:20-11:40	ThA12.5
<i>Advanced EIS Techniques for Performance Evaluation of Li-Ion Cells</i> , pp. 8610-8615.	
Stockley, Thomas	Univ. of South Wales

Thanapalan, Kary	Univ. of South Wales
Bowkett, Mark	Univ. of South Wales
Williams, Jonathan	Univ. of South Wales
Hathway, Mark	Univ. of South Wales

ThA13		1.61 - Boris Tamm
Lyapunov Methods (Regular Session)		
Chair: Bobiti, Ruxandra Valentina	Eindhoven Univ. of Tech.	
Co-Chair: Ito, Hiroshi	Kyushu Inst. of Tech.	
10:00-10:20	ThA13.1	
<i>Stability Criteria for Cascaded Nonlinear Stochastic Systems Admitting Not Necessarily Unbounded Decay Rate</i> , pp. 8616-8622.		
Ito, Hiroshi	Kyushu Inst. of Tech.	
Nishimura, Yuki	Kagoshima Univ.	
10:20-10:40	ThA13.2	
<i>On Input-To-State Stability Analysis of Discrete-Time Systems Via Finite-Time Lyapunov Functions</i> , pp. 8623-8628.		
Bobiti, Ruxandra Valentina	Eindhoven Univ. of Tech.	
Lazar, Mircea	Eindhoven Univ. of Tech.	
10:40-11:00	ThA13.3	
<i>Discontinuous Control of Nonlinear Systems with Convex Input Constraint Via Locally Semiconcave Control Lyapunov Functions</i> , pp. 8629-8635.		
Satoh, Yasuyuki	Tokyo Univ. of Science	
Nakamura, Hisakazu	Tokyo Univ. of Science	
Kimura, Shunsuke	Tokyo Univ. of Science	
11:00-11:20	ThA13.4	
<i>Improved Convergence Rate of Discontinuous Finite-Time Controllers</i> , pp. 8636-8641.		
Cruz Zavala, Emmanuel	Inst. de Ingeniería, UNAM	
Moreno, Jaime A.	Univ. Nacional Autonoma de Mexico-UNAM	
11:20-11:40	ThA13.5	
<i>Stability Analysis of Discrete-Time General Homogeneous Systems</i> , pp. 8642-8647.		
Doban, Alina Ionela	Eindhoven Univ. of Tech.	
Lazar, Mircea	Eindhoven Univ. of Tech.	
11:40-12:00	ThA13.6	
<i>Lyapunov-Based Boundary Control for a MIMO Counter-Propagating Raman Amplifier</i> , pp. 8648-8655.		
Beauchamp, Daniel	Univ. of Toronto	
Pavel, Lacra	Univ. of Toronto	
ThA14		1.62 - Brian Anderson
Particle Filtering and Monte Carlo Methods (Regular Session)		
Chair: Lindsten, Fredrik	Linköping Univ.	
Co-Chair: Hjalmarsson, Håkan	KTH	
10:00-10:20	ThA14.1	
<i>Second-Order Particle MCMC for Bayesian Parameter Inference</i> , pp. 8656-8661.		
Dahlin, Johan	Linköping Univ.	
Lindsten, Fredrik	Linköping Univ.	
Schön, Thomas Bo	Uppsala Univ.	
10:20-10:40	ThA14.2	
<i>Distributed Nonlinear Consensus in the Space of Probability Measures</i> , pp. 8662-8668.		
Bishop, Adrian	NICTA, Control Group and the Australian National Univ.	
Doucet, Arnaud	Univ. of Oxford	
10:40-11:00	ThA14.3	
<i>FPGA Implementation of Rao-Blackwellized Particle Filter and Its Application to Sensorless Drive Control</i> , pp. 8669-8674.		
Smidl, Vaclav	Inst. of Information Theory and Automation	
Nedvěd, Robert	Regional innovation centre for electrical engineering	
Košan, Tomáš	Univ. of West Bohemia	
Peroutka, Zdenek	Univ. of West Bohemia	
11:00-11:20	ThA14.4	
<i>Particle Filter-Based Gaussian Process Optimisation for Parameter Inference</i> , pp. 8675-8680.		

Dahlin, Johan	Linköping Univ.
Lindsten, Fredrik	Linköping Univ.
11:20-11:40	ThA14.5
<i>Distributed Monte Carlo Information Fusion and Distributed Particle Filtering</i> , pp. 8681-8688.	
Manuel, Isaac Luke	Australian National Univ. (ANU)
Bishop, Adrian	NICTA, Control Group and the Australian National Univ. (ANU)
11:40-12:00	ThA14.6
<i>A Rapid Particle Swarm Optimization Algorithm with Convergence Analysis</i> , pp. 8689-8694.	
Li, Yanjun	Zhejiang Univ. City Coll.
Liu, Yi	Department of Control Science and Engineering, Zhejiang Univ.
Song, Liangsheng	Zhejiang Univ. City Coll.
Liu, Shan	Inst. of Intelligent System and Decision Making

ThA15	1.63 - Stephen Kahne
Stochastic Control and Game Theory II (Regular Session)	

Chair: Barmish, B. Ross	Univ. of Wisconsin
Co-Chair: Pham, Khanh D.	AIR FORCE Res. Lab.

10:00-10:20	ThA15.1
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Some Results on Optimal Control for a Partially Observed Linear Stochastic System with an Exponential Quadratic Cost, pp. 8695-8698.

Duncan, Tyrone E.	Univ. of Kansas
Pasik-Duncan, Bozena	Univ. of Kansas

10:20-10:40	ThA15.2
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Hinf Control of Discrete-Time Stochastic State-Multiplicative Systems Constrained in State by Equality Constraints, pp. 8699-8704.

Krokavec, Dusan	Tech. Univ. of Kosice
Filasova, Anna	Tech. Univ. of Kosice

10:40-11:00	ThA15.3
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Mean Field Estimation for Partially Observed LQG Systems with Major and Minor Agents, pp. 8705-8709.

Caines, Peter E.	McGill Univ.
Kizilkale, Arman C.	Ec. Pol. de Montreal

11:00-11:20	ThA15.4
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A Modified Q-Learning Algorithm for Potential Games, pp. 8710-8718.

Wang, Yatao	Univ. of Toronto
Pavel, Lacra	Univ. of Toronto

11:20-11:40	ThA15.5
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The Conservative Expected Value: A New Measure with Motivation from Stock Trading Via Feedback, pp. 8719-8724.

Malekpour, Shirzad	Univ. of Wisconsin-Madison
Barmish, B. Ross	Univ. of Wisconsin

11:40-12:00	ThA15.6
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Local Stabilization of Markov Jump Nonlinear Quadratic Systems, pp. 8725-8730.

de Souza, Carlos E.	Lab. Nac. de Comp. Cientifica - LNCC
Coutinho, Daniel	Univ. Federal de Santa Catarina

ThA16	1.64 - Yong-Zai Lu
Methodologies and Techniques for Handling Complexity (Regular Session)	

Chair: Collart-Dutilleul, Simon	IFSTTAR/ESTAS
Co-Chair: Lindberg, Mikael	Lund Univ.

10:00-10:20	ThA16.1
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Complex Systems Renewal: Positioning, Concepts and Architectural Issues, pp. 8731-8736.

Zolghadri, Marc	Supmeca-Paris
Couffin, Florent	ISMEP (supméca)
Leclaire, Patrice	SUPMECA
Collart-Dutilleul, Simon	IFSTTAR/ESTAS

10:20-10:40	ThA16.2
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Pinning Synchronization of Complex Networks Via Cooperative Heterogeneous Information, pp. 8737-8742.

Zhu, Henghui	Chinese Acad. of Sciences
Lu, Jinhu	Acad.

Chen, Yao	Beijing Jiaotong Univ.
10:40-11:00	ThA16.3
<i>System Identification of Distributory Canals in the Indus Basin</i> , pp. 8743-8748.	
Aleem, Saad	Univ. of Pennsylvania
Muhammad, Abubakr	LUMS School of Science & Engineering, Pakistan
Nasir, Hasan	The Univ. of Melbourne
11:00-11:20	ThA16.4
<i>Analysis of a Feedback-Based Energy Conserving Content Distribution Mechanism for Mobile Networks</i> , pp. 8749-8755.	
Lindberg, Mikael	Lund Univ.
11:20-11:40	ThA16.5
<i>Support Vector Machines for Class Imbalance Rail Data Classification with Bootstrapping-Based Over-Sampling and Under-Sampling</i> , pp. 8756-8761.	
Zughrat, Ali	The Univ. of Sheffield
Mahfouf, Mahdi	Univ. of Sheffield
Yang, Yong	the Univ. of sheffield
Thornton, Steve	Tata Steel Europe
ThA17	Marco Polo
Modeling and Simulation of Transportation Systems (Regular Session)	
Chair: Sacco, Nicola	Univ. of Genoa
Co-Chair: Schilling, Klaus	Univ. Wuerzburg
10:00-10:20	ThA17.1
<i>Train Scheduling Networks under Time Duration Uncertainty</i> , pp. 8762-8767.	
El Amraoui, Adnen	Ec. Centrale de Lille (Ec.
Mesghouni, Khaled	Ec. Centrale de Lille
10:20-10:40	ThA17.2
<i>Optimization of a Complex Urban Intersection Using Discrete Event Simulation and Evolutionary Algorithms</i> , pp. 8768-8774.	
Mihaita, Adriana Simona	ENSGSI (Ec. Nationale Sup'erieure en G'enie des Syst'emes Indu
Camargo, Mauricio	INPL
Lhoste, Pascal	ENSGSI
10:40-11:00	ThA17.3
<i>Global Sensitivity Analysis of the Optimal Capacity of Intersections</i> , pp. 8775-8780.	
Sacco, Nicola	Univ. of Genoa
Di Febbraro, Angela	Univ. of Genoa
Baudà, Alberto	Univ. of Genoa
11:00-11:20	ThA17.4
<i>Model Predictive Traffic Control Based on a New Multi-Class METANET Model</i> , pp. 8781-8786.	
Liu, Shuai	Delft Univ. of Tech.
De Schutter, Bart	Delft Univ. of Tech.
Hellendoorn, Hans	Delft Univ. of Tech.
11:20-11:40	ThA17.5
<i>Generation of Equivalent Driving Cycles Using Markov Chains and Mean Tractive Force Components</i> , pp. 8787-8792.	
Nyberg, Peter	Linköping Univ.
Frisk, Erik	Linköping Univ.
Nielsen, Lars	Linköping Univ.
11:40-12:00	ThA17.6
<i>Multi-Objective Control Design for a Truck Cabin</i> , pp. 8793-8798.	
Turkay, Semiha	Anadolu Univ.
Akcay, Huseyin	Anadolu Univ.
ThA18	2.43 - Pedro Albertos
Marine Vehicle Dynamics and Control (Regular Session)	
Chair: de Almeida Fernandes, Daniel	Norwegian Univ. of Science and Tech. (NTNU)
Co-Chair: Blanke, Mogens	Tech. Univ. of Denmark
10:00-10:20	ThA18.1
<i>Sliding Mode Prediction Control for 3D Path Following of an Underactuated AUV</i> , pp. 8799-8804.	

Zhang, Lijun	Northwestern Pol. Univ.
Jia, Heming	Northeast Forestry Univ.
Jiang, Dapeng	Harbin Engineering Univ.
10:20-10:40	ThA18.2
<i>An Underwater Vehicles Dynamics in the Presence of Noise and Fokker-Planck Equations</i> , pp. 8805-8811.	
Sharma, Shambhu N.	NSIT
Hirpara, Ravish H.	S.V. National Inst. of Tech.
10:40-11:00	ThA18.3
<i>Trajectory Tracking of Autonomous Vessels Using Model Predictive Control</i> , pp. 8812-8818.	
Zheng, Huarong	Delft Univ. of Tech.
Negenborn, Rudy	Delft Univ. of Tech.
Lodewijks, Gabriël	Delft Univ. of Tech.
11:00-11:20	ThA18.4
<i>Motion Compensation System for a Free Floating Surface Effect Ship</i> , pp. 8819-8824.	
Auestad, Øyvind, F.	Norwegian Univ. of Science & Tech. Umoe Mandal
Gravdahl, Jan Tommy	Norwegian Univ. of Science & Tech.
Soerensen, Asgeir	Norwegian Univ. of Science and Tech.
Espeland, Trygve Halvorsen	Umoe Mandal AS
11:20-11:40	ThA18.5
<i>Active Vibration Control for Marine Platform Flatness Using Sliding Mode Scheme</i> , pp. 8825-8830.	
Sonbolestan, Noushin	Univ. of Manchester
Wang, Hong	the Univ. of Manchester
ThA19	2.46 - Vladimir Kucera
Rotocraft Modelling, Identification and Control (Regular Session)	
Chair: Bergamasco, Marco	AgustaWestland
Co-Chair: Castaldi, Paolo	Univ. of Bologna - Aerospace Engineering Faculty
10:00-10:20	ThA19.1
<i>System Identification for Low-Cost Small-Scale Helicopters</i> , pp. 8831-8836.	
Reddi, Yashren	Univ. of Cape Town
Boje, Edward	Univ. of Cape Town
10:20-10:40	ThA19.2
<i>Unmanned Aerial Vehicles Model Identification Using Multi-Objective Optimization Techniques</i> , pp. 8837-8842.	
Velasco Carrau, Jesús	Univ. Pol. de València
Garcia-Nieto, Sergio	Pol. Univ. of Valencia
10:40-11:00	ThA19.3
<i>Fault Tolerant Control of a Small Helicopter with Tail Rotor Failures in Forward Flight</i> , pp. 8843-8848.	
Rajendran, Sulakshan	Univ. of leicester
Gu, Dawei	Univ. of Leicester
11:00-11:20	ThA19.4
<i>2-Sliding Mode Trajectory Tracking Control and EKF Estimation for Quadrotors</i> , pp. 8849-8854.	
Mercado Ravell, Diego Alberto	UTC
Castillo, Pedro	Univ. De Tech. De Compiegne
Castro-Linares, Rafael	CINVESTAV-IPN
Lozano, Rogelio	Univ. de Tech. de Compiegne
11:20-11:40	ThA19.5
<i>Baseline Vibration Attenuation in Helicopters: Robust MIMO-HHC Control</i> , pp. 8855-8860.	
Mura, Roberto	Pol. di Milano
Lovera, Marco	Pol. di Milano
11:40-12:00	ThA19.6
<i>Rotorcraft System Identification: A Time/frequency Domain Approach</i> , pp. 8861-8866.	
Bergamasco, Marco	AgustaWestland
Ragazzi, Andrea	AgustaWestland
Lovera, Marco	Pol. di Milano

ThA20

2.63 - Wook Hyun Kwon

Milestone Session: Computational Intelligence in Control (Panel Session)

Chair: Colnaric, Matjaz Univ. of Maribor, Slovenia
Co-Chair: Ruano, Antonio Univ. of Algarve

10:00-12:00 ThA20.1

Computational Intelligence in Control, pp. 8867-8878.

Ruano, Antonio Univ. of Algarve
Ge, Shuzhi Sam National Univ. of Singapore
Guerra, Thierry Marie Univ. of Valenciennes Hainaut-Cambresis
Lewis, Frank L. Univ. of Texas at Arlington
Principe, Jose Univ. OF FLORIDA
Colnaric, Matjaz Univ. of Maribor, Slovenia

ThA21

2.64 - Alberto Isidori

Statistical Methods and Signal Analysis for FDI (Regular Session)

Chair: Odgaard, Peter Fogh Aalborg Univ.
Co-Chair: Auret, Lidia Stellenbosch Univ.

10:00-10:20 ThA21.1

Real-Time Application of Multivariate Statistical Methods for Early Event Detection in an Industrial Slurry Stripper, pp. 8879-8884.

Darkow, Thomas Bilfinger Greylogix GmbH
Dittmar, Rainer West Coast Univ. of Applied Sciences
Timm, Helge Sasol Germany GmbH

10:20-10:40 ThA21.2

Boiling Detection in a LMFBR Using Autoregressive Models and SVM, pp. 8885-8890.

Bose, Tanmoy Indian Inst. of Tech. Kharagpur
Geraldo, Issa Cherif Univ. Lille 1
Pekpe, Komi Midzodzi LAGIS
Cassar, J.P. Univ. des Sciences et Tech. de LILLE
Mohanty, Amiya Indian Inst. of Tech. Kharagpur
Paumel, Kevin Commissariat à l'Energie Atomique

10:40-11:00 ThA21.3

Karhunen Loeve Basis Used for Detection of Gearbox Faults in a Wind Turbine, pp. 8891-8896.

Odgaard, Peter Fogh Aalborg Univ.
Stoustrup, Jakob Pacific Northwest National Lab.

11:00-11:20 ThA21.4

Data-Driven Fault Diagnosis of Shaft Furnace Roasting Processes Using Reconstruction and Reconstruction-Based Contribution Approaches, pp. 8897-8902.

Lu, Xinglong Northeastern Univ.
Liu, Qiang Northeastern Univ.
Chai, Tianyou Northeastern Univ.
Qin, S. Joe Univ. of Southern California

11:20-11:40 ThA21.5

Data-Driven Fault Detection with Process Topology for Fault Identification, pp. 8903-8908.

Lindner, Brian Stellenbosch Univ.
Auret, Lidia Stellenbosch Univ.

11:40-12:00 ThA21.6

A Probabilistic Approach for Data-Driven Fault Isolation in Multimode Processes, pp. 8909-8914.

Haghani Abandan Sari, Adel Univ. of Rostock
Jeinsch, Torsten Univ. of Rostock
Ding, Steven X. Univ. of Duisburg-Essen
Koschorrek, Philipp Univ. Rostock
Kolewe, Björn Univ. of Rostock

ThA22

2.65 - Ian Craig

Production Planning and Control (Regular Session)

Chair: Silva Filho, Oscar Salviano Centro de Tecnologia de Informação - Renato Archer
Co-Chair: Hennet, Jean-Claude LSIS Information and Systems Science Lab.

10:00-10:20 ThA22.1

<i>Towards the Guaranteed Control of Production Output: A Probabilistic Approach (I)</i> , pp. 8915-8920.		V.A. Trapeznikov Inst. of Control Sciences
Chernyshov, Kirill		
10:20-10:40		ThA22.2
<i>Optimal Production Planning for the Virgin Olive Oil Elaboration Process</i> , pp. 8921-8926.		
Cano Marchal, Pablo		Univ. of Jaén
Martínez Gila, Diego Manuel		Univ. of Jaén
Gamez Garcia, Javier		Univ. of Jaén
Gomez-Ortega, J.		Univ. de Jaén
10:40-11:00		ThA22.3
<i>Choosing an Optimal Return Rate and a Reverse Logistics Policy from the Solution of a Constrained LQG Problem</i> , pp. 8927-8932.		
Silva Filho, Oscar Salviano	Centro de Tecnologia de Informação - Renato Archer	
Salviano, Isadora Rebelo		CTI - Unicamp
11:00-11:20		ThA22.4
<i>An Analysis of Risks and Vulnerabilities in Supply Networks (I)</i> , pp. 8933-8938.		
Sakli, Leila		LSIS-CNRS, AMU Marseilles
Hennet, Jean-Claude		LSIS Information and Systems Science Lab.
Mercantini, Jean-Marc		LSIS-CNRS, AMU, Marseilles
11:20-11:40		ThA22.5
<i>Multimodal Cyclic Processes Scheduling in Fractal Structure Networks Environment (I)</i> , pp. 8939-8946.		
Banaszak, Zbigniew		Warsaw Univ. of Tech.
Bocewicz, Grzegorz		Koszalin Univ. of Tech.
Pawlewski, Pawel		Poznan Univ. of Tech.
11:40-12:00		ThA22.6
<i>Cyclic Scheduling Steady-State Analysis and Improved Mathematical Models</i> , pp. 8947-8952.		
Zhang, Hongchang		Ec. CENTRALE DE LILLE
Collart-Dutilleul, Simon		IFSTTAR/ESTAS
Mesghouni, Khaled		Ec. Centrale de Lille
ThA23		2.66
Navigation, Guidance and Control (Regular Session)		
Chair: Indiveri, Giovanni		Univ. of Salento
Co-Chair: Aguiar, A. Pedro		Faculty of Engineering, Univ. of Porto (FEUP)
10:00-10:20		ThA23.1
<i>Position-Trajectory Control System for Unmanned Robotic Airship</i> , pp. 8953-8958.		
Phikhopov, Viacheslav		Taganrog Tech. Inst. of South Federal Univ.
Medvedev, Mikhail		Taganrog Tech. Inst. of Southern Federal University
Gaiduk, Anatoliy		Taganrog Inst. of Tech. of Southern Federal Univ.
Fedorenko, Roman		Southern Federal Univ.
Krukhmalev, Victor		Southern Federal Univ.
Gurenko, Boris		Southern Federal Univ.
10:20-10:40		ThA23.2
<i>Differential GPS Aided Inertial Navigation: A Contemplative Realtime Approach</i> , pp. 8959-8964.		
Zhao, Sheng		Univ. of California, Riverside
Chen, Yiming		Univ. of California, Riverside
Zhang, Haiyu		UC Riverside
Farrell, Jay A.		Univ. of California at Riverside
10:40-11:00		ThA23.3
<i>LED Path Recovery in a Moving Sensor</i> , pp. 8965-8970.		
Zheng, Dongfang		Univ. of California, Riverside
Chen, Gang		Univ. of California, Riverside
Farrell, Jay A.		Univ. of California at Riverside
11:00-11:20		ThA23.4
<i>Complementary Control of the Depth of an Underwater Robot (I)</i> , pp. 8971-8976.		
Malerba, Alessandro		Univ. del Salento
Indiveri, Giovanni		Univ. of Salento
11:20-11:40		ThA23.5
<i>Optimal Motion Planning for Searching for Uncertain Targets</i> , pp. 8977-8982.		

Walton, Claire
 Gong, Qi
 Kaminer, Isaac
 Roysset, Johannes

UC Santa Cruz
 Univ. of California, Santa Cruz
 Naval Postgraduate School
 Naval Postgraduate School

ThA24		Francis Drake
Dynamic Games and Economic Models (Regular Session)		
Chair: Blázquez, L. Felipe		Univ. of León
Co-Chair: Gao, Jianjun		Shanghai Jiao Tong Univ.
10:00-10:20		ThA24.1
<i>Application of Fuzzy Tools to the Automatic Analysis of System Dynamics Models: An Example of World3</i> , pp. 8983-8988.		
Mediavilla, Margarita		Univ. of Valladolid
de Miguel, L. Javier		Univ. of Valladolid
Retortillo, Pedro		Univ. of Valladolid
de Castro, Carlos		Univ. of Valladolid
Blázquez, L. Felipe		Univ. of León
10:20-10:40		ThA24.2
<i>Nonasymptotic Mean-Field Games</i> , pp. 8989-8994.		
Tembine, Hamidou		Supelec
10:40-11:00		ThA24.3
<i>Cooperative Mean-Field Type Games</i> , pp. 8995-9000.		
Cisse, Abdoul Karim	GrllsG - ISG International Business School, Paris, France	
Tembine, Hamidou		Supelec
11:00-11:20		ThA24.4
<i>Pricing for Coordination in Open-Loop Differential Games</i> , pp. 9001-9006.		
Calderone, Daniel		UC Berkeley
Ratliff, Lillian		Univ. of California, Berkeley
Sastry, Shankar		Univ. of California at Berkeley
11:20-11:40		ThA24.5
<i>Multiperiod Mean-Variance Portfolio Optimization with General Correlated Returns</i> , pp. 9007-9012.		
Gao, Jianjun		Shanghai Jiao Tong Univ.
Li, Duan		Chinese Univ. of Hong Kong
ThA25		Poster area
Advances in Control Laboratories (Interactive Session)		
Chair: Pasik-Duncan, Bozenna		Univ. of Kansas
Co-Chair: Bars, Ruth		Budapest Univ. of Tech. and Ec.
10:00-12:00		ThA25.1
<i>New Thermo-Optical Plants for Laboratory Experiments</i> , pp. 9013-9018.		
Huba, Tomáš		STU Bratislava
Huba, Mikulas		Slovak Univ. of Tech.
Tapak, Peter		Slovak Univ. of Tech. in Bratislava
Bistak, Pavol		Slovak Univ. of Tech. in Bratislava
10:00-12:00		ThA25.2
<i>Advanced Control Education: Optimal & Robust MIMO Control of a Flexible Beam Setup</i> , pp. 9019-9025.		
Dullinger, Christian		Vienna Univ. of Tech.
Schirrer, Alexander		Vienna Univ. of Tech.
Kozek, Martin		Vienna Univ. of Tech.
10:00-12:00		ThA25.3
<i>Teaching Model-Based Fault Detection and Isolation Using Project-Based Learning on a Three-Tank System</i> , pp. 9026-9031.		
Costa-Castelló, Ramon		Univ. Pol. de Catalunya (UPC)
Puig, Vicenc		Univ. Pol. de Catalunya
Blesa, Joaquim		Univ. Pol. de Catalunya (UPC)
10:00-12:00		ThA25.4
<i>A Magnetic Levitation System for Advanced Control Education</i> , pp. 9032-9037.		
Yu, Wen		CINVESTAV-IPN
Li, Xiaoou		CINVESTAV-IPN

10:00-12:00	ThA25.5
<i>An Interactive PID Learning Module for Educational Purposes</i> , pp. 9038-9043.	
Theorin, Alfred	Lund Univ.
Johnsson, Charlotta	Lund Univ.
10:00-12:00	ThA25.6
<i>Low Cost Platform for Automatic Control Education Based on Open Hardware</i> , pp. 9044-9050.	
Soriano, Angel	Univ. Pol. de Valencia
Marin, Leonardo	Univ. Pol. de Valencia
Valles, Marina	Assistant Professor
Valera, Angel	Univ. Pol. de Valencia
Albertos, Pedro	Univ. Pol. de Valencia
10:00-12:00	ThA25.7
<i>An Experimental Framework to Analyze Limit Cycles Generated by Event-Based Sampling</i> , pp. 9051-9056.	
Chacón, Jesús	Univ. Nacional de Educación a Distancia
Beschi, Manuel	Univ. OF BRESCIA, ITALY
Sánchez Moreno, José	UNED
Visioli, Antonio	Univ. of Brescia
Dormido, Sebastián	UNED
10:00-12:00	ThA25.8
<i>ArPi Lab: A Low-Cost Remote Laboratory for Control Education</i> , pp. 9057-9062.	
Kaluz, Martin	Slovak Univ. of Tech. in Bratislava, Slovakia
Cirka, Lubos	Slovak Univ. of Tech. in Bratislava
Valo, Richard	Slovak Univ. of Tech. in Bratislava
Fikar, Miroslav	Slovak Univ. of Tech. in Bratislava
10:00-12:00	ThA25.9
<i>Course of Lab Activities on Control Theory Based on the Lego NXT</i> , pp. 9063-9068.	
Kapitonov, Aleksandr	ITMO Univ.
Bobtsov, Alexey	ITMO Univ.
Kapitanyuk, Yuri	ITMO Univ.
Sysolyatin, Dmitry	ITMO Univ.
Antonov, Evgeniy	ITMO Univ.
Pyrkin, Anton	ITMO Univ.
Chepinskiy, Sergey	ITMO Univ.
ThB01	Ballroom East - Harold Chestnut
Power System Stability III (Regular Session)	
Chair: Voropai, N. I.	Energy Systems Inst.
Co-Chair: Aldeen, Mohammad	The Univ. of Melbourne
13:30-13:50	ThB01.1
<i>Stability in Small Signals Investigation of Nonlinear Dynamic Power Systems (I)</i> , pp. 9069-9074.	
Yadykin, Igor	V.A. Trapeznikov Inst. of Control Sciences, Russian Acad.
Bakhtadze, Natalia	V.A. Trapeznikov Inst. of Control Sciences, Russian Acad.
Lototsky, Vladimir	V.A. Trapeznikov Inst. of Control Sciences
Vassilyev, Stanislav N.	Trapeznikov Inst. of Control Sciences RAS
13:50-14:10	ThB01.2
<i>Voltage and Angle Stability Reserve of Power Systems with Renewable Generation</i> , pp. 9075-9080.	
Muenz, Ulrich	Siemens
Metzger, Michael	Siemens AG
14:10-14:30	ThB01.3
<i>Prediction of Power System Post-Contingency Vulnerability Status by Mining Synchronized Phasor Measurements (I)</i> , pp. 9081-9086.	
Erlich, Istvan	Univ. of Duisburg-Essen
Rueda, José L.	Univ. Duisburg-Essen
Cepeda, Jaime Cristóbal	Corp. Centro Nacional de Control de Energía, CENACE
Sowa, Pawel	Silesian Univ. of Tech.
14:30-14:50	ThB01.4
<i>Characterization of Power Systems Near Their Stability Boundary by Lyapunov Direct Method (I)</i> , pp. 9087-9092.	
Yadykin, Igor	V.A. Trapeznikov Inst. of Control Sciences, Russian Acad.

Kataev, Dmitry
Iskakov, Alexey Borisovich
Shipilov, Vladislav

V.A.Trapeznikov Inst. of Control Sciences RAS
V.A.Trapeznikov Inst. of Control Sciences, Moscow
Novosibirsk State Tech. Univ.

14:50-15:10

ThB01.5

Stabiliser Fault Emergency Control Using Reconfiguration to Preserve Power System Stability, pp. 9093-9098.

Pedersen, Andreas Søndergaard
Richter, Jan
Tabatabaeipour, Seyed Mojtaba
Jóhannsson, Hjörtur
Blanke, Mogens

Tech. Univ. of Denmark
Siemens AG, I IA ATS 4 3
Tech. Univ. of Denmark
Tech. Univ. of Denmark
Tech. Univ. of Denmark

15:10-15:30

ThB01.6

Simplified Modeling of VSC-HVDC in Power System Stability Studies (I), pp. 9099-9104.

Erlich, Istvan
Shewarega, Fekadu

Univ. of Duisburg-Essen
Univ. Duisburg-Essen

ThB02

Ballroom West - Aleksander Letov

Reversible and Irreversible Thermodynamics in Control (Invited Session)

Chair: Dochain, Denis
Co-Chair: Hudon, Nicolas
Organizer: Dochain, Denis
Organizer: Ydstie, Erik B.

Univ. Catholique de Louvain
Univ. Catholique de Louvain
Univ. Catholique de Louvain
Carnegie Mellon

13:30-13:50

ThB02.1

Passivity and Passive Feedback Stabilization for a Class of Mixed Potential Systems (I), pp. 9105-9110.

Hudon, Nicolas
Dochain, Denis
Guay, Martin

Univ. Catholique de Louvain
Univ. Catholique de Louvain
Queen's Univ.

13:50-14:10

ThB02.2

Interconnection and Damping Assignment - Passivity Based Control of Irreversible Port Hamiltonian Systems (I), pp. 9111-9116.

Ramirez, Hector
Le Gorrec, Yann
Maschke, Bernhard

FEMTO-ST, UFC
FEMTO-ST, ENSMM
Univ. Claude Bernard of Lyon

14:10-14:30

ThB02.3

A Thermodynamic Approach towards Lyapunov Based Control of Reaction Rate (I), pp. 9117-9122.

Hoang, Ngoc Ha
Dochain, Denis
Hudon, Nicolas

Univ. of Tech. (VNU-HCM) and Univ. Cath. de Louvain (Belgiu)
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Univ. Catholique de Louvain

14:30-14:50

ThB02.4

Partial Inventory Control of the CSTR Via Reaction-Dependent Generalized Inventories (I), pp. 9123-9128.

Hoang, Ngoc Ha
Dochain, Denis
Ydstie, Erik B.

Univ. of Tech. (VNU-HCM) and Univ. Cath. de Louvain (Belgiu)
Univ. Catholique de Louvain
Carnegie Mellon

14:50-15:10

ThB02.5

Invariant Manifold Approach for Time-Varying Extremum-Seeking Control Problem, pp. 9129-9134.

Moshksar, Ehsan
Guay, Martin

Queen's Univ.
Queen's Univ.

15:10-15:30

ThB02.6

Transformation Approach to Constraint Handling in Optimal Control of the Heat Equation, pp. 9135-9140.

Utz, Tilman
Rhein, Sönke
Graichen, Knut

Ulm Univ.
Univ. of Ulm
Univ. of Ulm

ThB03

Auditorium 2 - Eduard Gerecke

Filtering and Smoothing (Regular Session)

Chair: Gu, Dawei
Co-Chair: Barbot, Jean Pierre

Univ. of Leicester
ENSEA

13:30-13:50

ThB03.1

Multi-Sensor State Estimation Using SDRE Information Filters, pp. 9141-9146.

Bharani Chandra, Kumar Pakki Kothari, Mangal Gu, Dawei Postlethwaite, Ian	Univ. of Exeter Northumbria Univ. Newcastle Upon Tyne, UK Univ. of Leicester Northumbria Univ.
13:50-14:10	ThB03.2
<i>A Frequency Domain Interpretation of the Algebraic Differentiators</i> , pp. 9147-9151.	
Mboup, Mamadou Riachy, Samer	Univ. de Reims Champagne Ardenne, CReSTIC Ec. 3649
14:10-14:30	ThB03.3
<i>Implementation of First Order Algebraic Estimators for Numerical Filtering and Derivation Applications</i> , pp. 9152-9158.	
Judalet, Vincent Glaser, Sébastien Boussard, Clément Mammar, Saïd	IFSTTAR LCPC INRIA CNRS
14:30-14:50	ThB03.4
<i>High Order Sliding Mode Differentiator for Dynamical Inversion of Non-Involutive Systems</i> , pp. 9159-9164.	
Barbot, Jean Pierre Boutat, Driss Busawon, Krishna K. Kothari, Mangal	ENSEA INSA CVL Northumbria Univ. Northumbria Univ. Newcastle Upon Tyne, UK
14:50-15:10	ThB03.5
<i>Trivariate Optimal Smoothing Splines with Dynamic Shape Modeling of Deforming Object</i> , pp. 9165-9170.	
Kano, Hiroyuki Fujioka, Hiroyuki	Tokyo Denki Univ. Fukuoka Inst. of Tech.
ThB04	Roof Terrace - John Coales
Coordination of Multiple Vehicle Systems I (Regular Session)	
Chair: Yu, Changbin (Brad) Co-Chair: Veres, Sandor M	Australian National Univ. Univ. of Sheffield
13:30-13:50	ThB04.1
<i>Scalability of Bidirectional Vehicle Strings with Measurement Errors</i> , pp. 9171-9176.	
Knorn, Steffi Donaire, Alejandro Aguero, Juan C Middleton, Richard	Uppsala Univ. CDSC - Centre for Complex Dynamic Systems and Control, TheUniver The Univ. of Newcastle The Univ. of Newcastle
13:50-14:10	ThB04.2
<i>Zeros of Transfer Functions in Network Control with Higher-Order Dynamics</i> , pp. 9177-9182.	
Herman, Ivo Martinec, Dan Sebek, Michael	Czech Tech. Univ. in Prague Czech Tech. Univ. in Prague Czech Tech. Univ. in Prague
14:10-14:30	ThB04.3
<i>Finite Time Distance-Based Rigid Formation Stabilization and Flocking</i> , pp. 9183-9189.	
Sun, Zhiyong Mou, Shaoshuai Deghat, Mohammad Anderson, Brian D.O. Morse, A. Stephen	Australian National Univ. Yale Univ. Australian National Univ. Australian National Univ. Yale Univ.
14:30-14:50	ThB04.4
<i>A Distributed Convergent Solution to the Ambulance Positioning Problem on a Streetmap Graph</i> , pp. 9190-9196.	
Wang, Yuquan Colledanchise, Michele Marzinotto, Alejandro Ogren, Petter	KTH - Royal Inst. of Tech. KTH - Royal Inst. of Tech. KTH, CVAP/CAS KTH
14:50-15:10	ThB04.5
<i>Synchronization of Unicycle Robots with Proximity Communication Networks</i> , pp. 9197-9202.	
Liu, Zhixin	Acad. of Mathematics and Systems Sciences

Hu, Xiaoming	KTH Royal Inst. of Tech.
Wang, Jinhuan	Hebei Univ. of Tech.
15:10-15:30	ThB04.6
<i>Attitude Coordinated Tracking of Multiple Spacecraft with Control Input Saturation</i> , pp. 9203-9208.	
Wang, Qingling	Harbin Inst. of Tech.
Gao, Huijun	Harbin Inst. of Tech.
Qin, Jiahu	Univ. of Science and Tech. of China
Yu, Changbin (Brad)	Australian National Univ.
ThB06	2.41 Pawel Nowacki
Mechatronic Systems Modelling (Regular Session)	
Chair: Book, Wayne J.	Georgia Inst. of Tech.
Co-Chair: Isermann, Rolf	Univ. of Tech. Darmstadt
13:30-13:50	ThB06.1
<i>Value of a High Fidelity Actuator Model for Dynamic Simulation of a Pneumatic Rescue Robot</i> , pp. 9209-9215.	
Daepf, Hannes	Georgia Inst. of Tech.
Book, Wayne J.	Georgia Inst. of Tech.
13:50-14:10	ThB06.2
<i>Online Identification of Multivariable Nonlinear Processes with Iterative Structure Learning and Application to a Diesel Engine</i> , pp. 9216-9222.	
Kowalczyk, Marek	Univ. of Tech. Darmstadt
Yi, Boliang	Univ. of Tech. Darmstadt
Isermann, Rolf	Univ. of Tech. Darmstadt
14:10-14:30	ThB06.3
<i>Simulated Hybrid Model of an Autonomous Robotic System Integrated into Assembly/Disassembly Mechatronics Line</i> , pp. 9223-9228.	
Filipescu, Adrian	Univ. "Dunarea de Jos" of Galati
Filipescu, Adriana	Univ. "Dunarea de Jos" of Galati
14:30-14:50	ThB06.4
<i>Component-Based Design of Simulation Models Utilizing Bond-Graph Theory</i> , pp. 9229-9234.	
Novak, Petr	Vienna Univ. of Tech.
Sindeljar, Radek	Vienna Univ. of Tech.
14:50-15:10	ThB06.5
<i>Modeling of the Master Laser Oscillator Phase Noise for the European XFEL Using Fractional Order Systems</i> , pp. 9235-9240.	
Heuer, Michael	DESY
Lichtenberg, Gerwald	Hamburg Univ. of Applied Sciences
Pfeiffer, Sven	DESY Hamburg
Schlarb, Holger	DESY
Schmidt, Christian	DESY
Werner, Herbert	Hamburg Univ. of Tech.
15:10-15:30	ThB06.6
<i>Analysis of Error in a High Accuracy Sampled-Data Stabilising System Operating with a Wide Range of PWM</i> , pp. 9241-9246.	
Zarovskiy, Ruslan	Chernihiv National Univ. of Tech.
Chakirov, Roustiam	The Bonn-Rhein-Sieg Univ. of Applied Sciences
Vagapov, Yuriy	Glyndwr Univ.
ThB07	2.44 - Victor Broida
Recent Nonlinear Control Methodologies in Medical and Biological Systems with Special Focus on Anesthesia and Diabetes (Regular Session)	
Chair: Kovacs, Levente	Obuda Univ.
Co-Chair: Ionescu, Clara	Ghent Univ.
13:30-13:50	ThB07.1
<i>Linear Matrix Inequality-Based Robust Controller Design for Type-1 Diabetes Model (I)</i> , pp. 9247-9252.	
Szalay, Péter	Budapest Univ. of Tech. and Ec.
György, Eigner	Obuda Univ.
Kovacs, Levente	Obuda Univ.
13:50-14:10	ThB07.2
<i>Linear Parameter-Varying Control to Minimize Risks in Type 1 Diabetes (I)</i> , pp. 9253-9257.	

Colmegna, Patricio Hernán Sánchez-Peña, Ricardo S.	Inst. Tecnológico de Buenos Aires Inst. Tecnológico de Buenos Aires (ITBA)
14:10-14:30	ThB07.3
<i>Nonlinear Estimation of a Parsimonious Wiener Model for the Neuromuscular Blockade in Closed-Loop Anesthesia (I)</i> , pp. 9258-9264.	
Rosén, Olov	Uppsala Univ.
Martins da Silva, Margarida	Faculdade de Ciências, Univ. do Porto
Medvedev, Alexander	Uppsala Univ.
14:30-14:50	ThB07.4
<i>Nonlinear Predictive Control of Shank Movement Around the Knee Joint (I)</i> , pp. 9265-9270.	
Chevalier, Amélie	Ghent Univ.
Ionescu, Clara	Ghent Univ.
De Keyser, Robin M.C.	Ghent Univ.
14:50-15:10	ThB07.5
<i>Study of Modern Control Methodologies Applied to Tumor Growth under Angiogenic Inhibition (I)</i> , pp. 9271-9276.	
Szeles, Annamária	Budapest Univ. of Tech. and Ec.
Drexler, Dániel András	Budapest Univ. of Tech. and Ec.
Sápi, Johanna	Obuda Univ.
Harmati, Istvan	Budapest Univ. of Tech. and Ec.
Kovacs, Levente	Obuda Univ.
15:10-15:30	ThB07.6
<i>Relation between Fractional Order Models and Diffusion in the Body (I)</i> , pp. 9277-9282.	
Copot, Dana	Ghent Univ.
Ionescu, Clara	Ghent Univ.
De Keyser, Robin M.C.	Ghent Univ.
ThB08	2.61 - John Lozier
Robust Control (Linear Case) (Regular Session)	
Chair: Bayliss, Martin Thomas	Schlumberger ltd
Co-Chair: Airikka, Pasi	Metso Corp.
13:30-13:50	ThB08.1
<i>Structured Uncertainty Analysis of Pole Placement and H Infinity Controllers for Directional Drilling Attitude Tracking</i> , pp. 9283-9288.	
Bayliss, Martin Thomas	Schlumberger ltd
Whidborne, James F.	Cranfield Univ.
Panchal, Neilkunal	Cranfield Univ.
13:50-14:10	ThB08.2
<i>Architecture and Structure of Robust PID Controllers</i> , pp. 9289-9294.	
Rusnak, Ilan	RAFAEL
Peled-Eitan, Liat	Tech.
14:10-14:30	ThB08.3
<i>Gap Metric Bound Construction from Frequency Response Data</i> , pp. 9295-9300.	
Jones, Bryn LI.	Univ. of Sheffield
14:30-14:50	ThB08.4
<i>Robust Predictive PI Controller Tuning</i> , pp. 9301-9306.	
Airikka, Pasi	Metso Corp.
14:50-15:10	ThB08.5
<i>On Extended LMI Conditions for H_2 / H_∞ Control of Discrete-Time Linear Systems</i> , pp. 9307-9312.	
Hilhorst, Gijs	KU Leuven
Pipeleers, Goele	Katholieke Univ. Leuven
Oliveira, Ricardo C. L. F.	Univ. of Campinas
Peres, Pedro L. D.	Univ. of Campinas
Swevers, Jan	K. U. Leuven
15:10-15:30	ThB08.6
<i>Robust Two Degree-Of-Freedom Control for MIMO System with Both Model and Signal Uncertainties</i> , pp. 9313-9320.	
Xie, Yangmin	Univ. of Illinois, Urbana-Champaign
Alleyne, Andrew G.	Univ. of Illinois at Urbana-Champaign

ThB09		1.41 - Uolevi Luoto
Robotic Manipulators II (Regular Session)		
Chair: Kanamori, Mitsuru		Maizuru National Coll. of Tech.
Co-Chair: Basanez, Luis		Univ. Pol. de Catalunya
13:30-13:50		ThB09.1
<i>Novel Anti-Windup PID Controller Design under Holonomic Endpoint Constraints for Euler Lagrange Systems with Actuator Saturation</i> , pp. 9321-9326.		
Kanamori, Mitsuru		Maizuru National Coll. of Tech.
Iwagami, Keigo		Maizuru National Coll. of Tech.
13:50-14:10		ThB09.2
<i>Iterative Learning Control for Machining with Industrial Robots</i> , pp. 9327-9333.		
Cano Marchal, Pablo		Univ. of Jaén
Sornmo, Olof		Lund Univ.
Olofsson, Bjorn		Lund Univ.
Robertsson, Anders		LTH, Lund Univ.
Gomez-Ortega, J.		Univ. de Jaén
Johansson, Rolf		Lund Univ.
14:10-14:30		ThB09.3
<i>Searching Force-Closure Optimal Grasps of Articulated 2D Objects with N Links</i> , pp. 9334-9340.		
Alvarado Tovar, Noé		Univ. Pol. de Catalunya (UPC)
Suarez, Raul		Univ. Pol. de Catalunya (UPC)
14:30-14:50		ThB09.4
<i>An Adaptive Controller for Bilateral Teleoperators: Variable Time-Delays Case</i> , pp. 9341-9346.		
Nuño, Emmanuel		Univ. of Guadalajara
Sarras, Ioannis		SUPELEC
Basanez, Luis		Univ. Pol. de Catalunya
14:50-15:10		ThB09.5
<i>A New Method of Self-Calibration of Hand-Eye Systems Based on Active Vision</i> , pp. 9347-9352.		
Qiao, Yong		Jiangnan Univ.
Liu, Quansheng		Wuxi Inst. of Tech.
Peng, Li		Jiangnan Univ.
Liu, Guoping		Univ. of Glamorgan
15:10-15:30		ThB09.6
<i>Qualitative Approach for Forward Kinematic Modeling of a Compact Bionic Handling Assistant Trunk</i> , pp. 9353-9358.		
Melingui, Achille		Univ. of Lille1
Escande, Coralie		Univ. of Lille1
Benoudjit, Nabil		Univ. of Batna
Merzouki, Rochdi		Ec. Pol. Univ. de Lille
Mbede, Jean Bosco		Univ. of Yaoundé 1
ThB10		1.42 - Yoshikazu Sawaragi
Process Identification and Estimation (Regular Session)		
Chair: Skogestad, Sigurd		Norwegian Univ. of Science & Tech.
Co-Chair: Canevese, Silvia		RSE S.p.A.
13:30-13:50		ThB10.1
<i>Online Parameter Estimation of a Centrifugal Decanter System</i> , pp. 9359-9363.		
Larsen, Jesper Abildgaard		Aalborg Univ.
Alstrøm, Preben		CORE A/S
13:50-14:10		ThB10.2
<i>Identification of Linear Parameter Varying Systems with Missing Output Data Using Generalized Expectation-Maximization Algorithm</i> , pp. 9364-9369.		
Yang, Xianqiang		Harbin Inst. of Tech.
Xiong, Weili		Jiangnan Univ.
Huang, Biao		Univ. of Alberta
Gao, Huijun		Harbin Inst. of Tech.
14:10-14:30		ThB10.3
<i>Hydrogen Separation Via a Palladium Membrane: Modeling and Identification</i> , pp. 9370-9375.		
Bittanti, Sergio		Pol. di Milano

Bolzani, Luca	Fia Asset Management
Canevese, Silvia	RSE S.p.A.
De Marco, Antonio	Consultant
Drago, Francesca	RSE S.p.A.
Pinacci, Pietro	RSE S.p.A.

14:30-14:50 ThB10.4

Individual Column State and Parameter Estimation in the Simulated Moving Bed Process: An Optimization-Based Method, pp. 9376-9381.

Lemoine-Nava, Jose Roberto	Tech. Univ. Dortmund
Engell, Sebastian	TU Dortmund

14:50-15:10 ThB10.5

Control-Relevant Input Excitation for System Identification of Ill-Conditioned $N \times N$ Systems with $N > 2$, pp. 9382-9387.

Ghosh, Ramkrishna	Åbo Akademi Univ.
Hägglblom, Kurt-Erik	Abo Akademi Univ.
Boling, Jari M.	Abo Akademi Univ.

15:10-15:30 ThB10.6

Multi-Model Approach to Nonlinear System Identification with Unknown Time Delay, pp. 9388-9393.

Chen, Lei	Jiangnan Univ.
Huang, Biao	Univ. of Alberta
Liu, Fei	Jiangnan Univ.

ThB11 1.43 - Tibor Vamos

Control Design for Linear Systems (Regular Session)

Chair: Casavola, Alessandro	Univ. Della Calabria
Co-Chair: Iftar, Altug	Anadolu Univ.

13:30-13:50 ThB11.1

Reliable Measurement-Based System Design: A New Paradigm, pp. 9394-9399.

Kallakuri, Pavanasirisha	Tennessee State Univ.
Keel, Lee H.	Tennessee State Univ.
Bhattacharyya, Shankar P.	Texas A & M Univ.

13:50-14:10 ThB11.2

Scalability and Performance Improvement of Distributed Sequential Command Governor Strategies Via Graph Colorability Theory, pp. 9400-9405.

Casavola, Alessandro	Univ. Della Calabria
Garone, Emanuele	Univ. Libre de Bruxelles
Tedesco, Francesco	Univ. degli Studi della Calabria

14:10-14:30 ThB11.3

A Cooperative Game Theoretical Approach to Distributed Iterative Command Governor Schemes, pp. 9406-9411.

Tedesco, Francesco	Univ. degli Studi della Calabria
Casavola, Alessandro	Univ. Della Calabria

14:30-14:50 ThB11.4

Dynamic Safety Constraints by Scenario Based Economic Model Predictive Control, pp. 9412-9418.

Bø, Torstein Ingebrigtsen	Norwegian Univ. of Science and Tech.
Johansen, Tor Arne	Norwegian Univ. of Science and Tech.

14:50-15:10 ThB11.5

Decentralized Controller Design by Continuous Pole Placement for Commensurate-Time-Delay Systems, pp. 9419-9424.

Erol, Hüseyin Ersin	Anadolu Univ.
Iftar, Altug	Anadolu Univ.

ThB12 1.44 - Manfred Thoma

Energy Storage and Fuel Cells II (Regular Session)

Chair: Mishra, Sukumar	Indian Inst. of Tech. Delhi
Co-Chair: Majanne, Yrjö	Tampere Univ. of Tech.

13:30-13:50 ThB12.1

Experimental Validation of a Novel Control Strategy for an Off-Grid Hybrid Stirling Engine/Supercapacitor Power Generation System, pp. 9425-9431.

Rahmani, Mustapha Amine	Schneider Electric Industrie
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Alamir, Mazen	Gipsa-Lab. (CNRS-Univ. of Grenoble)
Gualino, David	Schneider Electric Industrie
Lechat Sanjuan, Sylvain	Schneider Electric
13:50-14:10	ThB12.2
<i>Nonlinear Model Predictive Control of a PEM Fuel Cell System for Cathode Exhaust Gas Generation</i> , pp. 9432-9437.	
Schultze, Martin	Helmut-Schmidt-Univ. / Univ. of the Federal Armed Forces Ha
Hähnel, Christian	Helmut-Schmidt-Univ. / Univ. of the Federal Armed Forc
Horn, Joachim	Helmut-Schmidt-Univ. / Univ. of the Federal Armed Forc
14:10-14:30	ThB12.3
<i>A New Cooperative Current-Sharing Control of Parallel Chargers for Energy Storage Type Light Rail</i> , pp. 9438-9443.	
Liu, Jiangang	Central South Univ.
Huang, Zhiwu	Central South Univ.
Peng, Jun	Central South Univ.
Liu, Weirong	Central South Univ.
Gao, Kai	Central South Univ.
14:30-14:50	ThB12.4
<i>Modeling PV Clouding Effects Using a Semi-Markov Process with Application to Energy Storage</i> , pp. 9444-9449.	
Barnes, Arthur	Univ. of Arkansas
Balda, Juan Carlos	Univ. of Arkansas
14:50-15:10	ThB12.5
<i>Active Surface Area Approximation in a Lead-Acid Cell for Optimal Performance in Renewable Energy Systems</i> , pp. 9450-9455.	
Janse van Rensburg, Angelique	North-West Univ.
van Schoor, George	North-West Univ.
van Vuuren, Pieter Andries	North West Univ.
15:10-15:30	ThB12.6
<i>Optimal Power Flow Model with Energy Storage, an Extension towards Large Integration of Renewable Energy Sources</i> , pp. 9456-9461.	
Maffei, Alessio	Univ. del Sannio, Dipartimento di Ingegneria
Meola, Daniela	Univ.
Marafioti, Giancarlo	SINTEF ICT
Palmieri, Giovanni	Dipartimento di Ingegneria
Iannelli, Luigi	Univ. of Sannio in Benevento
Mathisen, Geir	SINTEF ICT, Applied Cybernetics
Glielmo, Luigi	Univ. of Sannio
Bjerkkan, Eilert	NTE
ThB13	1.61 - Boris Tamm
Model Reduction and Realization (Regular Session)	
Chair: Scarciotti, Giordano	Imperial Coll. London
Co-Chair: Halas, Miroslav	Slovak Univ. of Tech.
13:30-13:50	ThB13.1
<i>Model Reduction by Moment Matching for Linear Time-Delay Systems</i> , pp. 9462-9467.	
Scarciotti, Giordano	Imperial Coll. London
Astolfi, Alessandro	Imperial Col. London & Univ. of Rome Tor Vergata
13:50-14:10	ThB13.2
<i>Parametric Model Order Reduction Using Pseudoinverses for the Matrix Interpolation of Differently Sized Reduced Models</i> , pp. 9468-9473.	
Geuss, Matthias	Tech. Univ. München
Panzer, Heiko K. F.	Tech. Univ. Muenchen
Clifford, Ivor David	Paul Scherrer Inst.
Lohmann, Boris	Tech. Univ. München
14:10-14:30	ThB13.3
<i>Multilinear Approximation of Nonlinear State Space Models</i> , pp. 9474-9479.	
Kruppa, Kai	Hamburg Univ. of Applied Sciences
Pangalos, Georg	Hamburg Univ. of Applied Sciences, Germany
Lichtenberg, Gerwald	Hamburg Univ. of Applied Sciences
14:30-14:50	ThB13.4
<i>Realization of a Nonlinear System in the Feedforward Form: A Polynomial Approach</i> , pp. 9480-9485.	

Halas, Miroslav	Slovak Univ. of Tech.
Kawano, Yu	Kyoto Univ.
Moog, Claude	CNRS
Ohtsuka, Toshiyuki	Kyoto Univ.
14:50-15:10	ThB13.5
<i>Gain Scheduling Output Feedback Control of Linear Plants with Partial Actuator Saturation</i> , pp. 9486-9491.	
Ban, Xiaojun	Harbin Inst. of Tech.
Wu, Fen	North Carolina State Univ.
Huang, Xianlin	Harbin Inst. of Tech.
15:10-15:30	ThB13.6
<i>Event-Triggered Control for Linear Systems Subject to Actuator Saturation</i> , pp. 9492-9497.	
Wu, Wei	Control Systems Res. Group, Univ. of Kaiserslautern, Ge
Reimann, Sven	Univ. of Kaiserslautern
Liu, Steven	Univ. of Kaiserslautern
ThB14	1.62 - Brian Anderson
Subspace Methods (Regular Session)	
Chair: Ikeda, Kenji	The Univ. of Tokushima
Co-Chair: Hansson, Anders	Linköping Univ.
13:30-13:50	ThB14.1
<i>Multi-Order Covariance Computation for Estimates in Stochastic Subspace Identification Using QR Decompositions</i> , pp. 9498-9503.	
Döhler, Michael	Inria
Lam, Xuan-Binh	INRIA Centre Rennes - Bretagne Atlantique
Mevel, Laurent	INRIA
13:50-14:10	ThB14.2
<i>Filtered-Covariance Function-Based Subspace Identification with Bound Effects Integration</i> , pp. 9504-9509.	
Vayssettes, Jérémy	ISAE
de Callafon, Raymond	Univ. of California, San Diego
Mercère, Guillaume	Poitiers Univ.
14:10-14:30	ThB14.3
<i>Robust Subspace System Identification Via Weighted Nuclear Norm Optimization</i> , pp. 9510-9515.	
Sadigh, Dorsa	UC Berkeley
Ohlsson, Henrik	Linköping Univ.
Sastry, Shankar	Univ. of California at Berkeley
Seshia, Sanjit	UC Berkeley
14:30-14:50	ThB14.4
<i>On the Precision of the Plant Estimates in Some Subspace Identification Methods</i> , pp. 9516-9521.	
Ikeda, Kenji	The Univ. of Tokushima
14:50-15:10	ThB14.5
<i>On the Computation of the Response of Perturbed Discrete Time Descriptor Systems</i> , pp. 9522-9527.	
Antoniou, Efstathios	Alexander Tech. Educational Inst. of Thessaloniki
Pantelous, Athanasios	Univ. of Liverpool
Tzekis, Panagiotis	Alexander Tech. Educational Inst. of Thessaloniki
15:10-15:30	ThB14.6
<i>Nuclear Norm Subspace Identification (N2SID) for Short Data Batches</i> , pp. 9528-9533.	
Verhaegen, Michel	Delft Univ. of Tech.
Hansson, Anders	Linköping Univ.
ThB15	1.63 - Stephen Kahne
Stochastic System Identification (Regular Session)	
Chair: Aihara, Shin Ichi	Tokyo Univ. of Science, Suwa
Co-Chair: Carravetta, Francesco	IASI-CNR
13:30-13:50	ThB15.1
<i>A Carleman Discretization Approach to Filter Nonlinear Stochastic Systems with Sampled Measurements</i> , pp. 9534-9539.	
Cacace, Filippo	Univ. Campus Biomedico di Roma
Cusimano, Valerio	Campus Bio-Medico di Roma
Germani, Alfredo	Univ. of L'Aquila

Palumbo, Pasquale	Consiglio Nazionale delle Ricerche (CNR)
13:50-14:10	ThB15.2
<i>Filtering and Parameter Estimation for a Class of Hidden Markov Models with Application to Bubble-Counting in Microfluidics</i> , pp. 9540-9544.	
Carravetta, Francesco	IASI-CNR
Manes, Costanzo	Univ. dell'Aquila
Palumbo, Pasquale	Consiglio Nazionale delle Ricerche (CNR)
14:10-14:30	ThB15.3
<i>Noise Covariance Estimation for Time-Varying and Nonlinear Systems</i> , pp. 9545-9550.	
Ge, Ming	IMPERIAL Coll. LONDON
Kerrigan, Eric C.	Imperial Coll. London
14:30-14:50	ThB15.4
<i>Regularized Maximum Likelihood Estimation of Sparse Stochastic Monomolecular Biochemical Reaction Networks</i> , pp. 9551-9556.	
Jang, Hong	Korea Advanced Inst. of Science and Tech.
Kim, Kwang-Ki	Georgia Inst. of Tech.
Lee, Jay H.	KAIST
Braatz, Richard D.	Massachusetts Inst. of Tech.
14:50-15:10	ThB15.5
<i>Cramer-Rao Lower Bound for Nonlinear Filtering Problem with Multiplicative Measurement Errors and Forcing Noises</i> , pp. 9557-9562.	
Stepanov, O.A.	Concern CSRI Elektropribor, JSC
Vasiliev, Vladimir	Sant-Peterburg State Univ.
15:10-15:30	ThB15.6
<i>Filtering and Identification of Stochastic Risk Premium for Electricity Spot Price Models</i> , pp. 9563-9568.	
Aihara, Shin Ichi	Tokyo Univ. of Science, Suwa
Bagchi, Arunabha	Univ. of Twente
Imreizeeq, Emad	No affiliation
ThB16	1.64 - Yong-Zai Lu
Decision Making and Optimisation in Complex Systems (Regular Session)	
Chair: Brdys, Mietek	Univ. of Birmingham
Co-Chair: Peres, Francois	ENIT
13:30-13:50	ThB16.1
<i>Cyclic Scheduling of No Backup Cracking Furnace System Considering Real World Operational Characters</i> , pp. 9569-9574.	
Wang, Zihao	Zhejiang Univ.
Feng, YiPing	ZheJiang Univ.
Rong, Gang	Zhejiang Univ.
13:50-14:10	ThB16.2
<i>Colored Traveling Salesman Problem and Solution</i> , pp. 9575-9580.	
Li, Jun	Southeast Univ.
Sun, Qirui	Southeast Univ.
Zhou, Meng Chu	New Jersey Inst. of Tech.
Yu, Xiaolong	Northeast Univ. Southeast Univ.
Dai, Xianzhong	Southeast Univ.
14:10-14:30	ThB16.3
<i>Optimizing Train Loading Operations in Innovative and Automated Container Terminals</i> , pp. 9581-9586.	
Anghinolfi, Davide	Univ. of Genova
Caballini, Claudia	Univ. of Genoa
Sacone, Simona	Univ. of Genova
14:30-14:50	ThB16.4
<i>Distributed Interior-Point Method for Loosely Coupled Problems</i> , pp. 9587-9592.	
Khoshfetrat Pakazad, Sina	Linköping Univ. of Tech.
Hansson, Anders	Linköping Univ.
S. Andersen, Martin	Tech. Univ. of Denmark
14:50-15:10	ThB16.5
<i>Ambiguity Cancellation for Wire Fault Location Based on Cable Life Profile (I)</i> , pp. 9593-9598.	
Ben Hassen, Wafa	Lab. de Fiabilisation des Systemes Embarques -CEALIST
Auzanneau, Fabrice	CEA LIST

Peres, Francois	ENIT
Tchangani, Ayeley, Philippe	Lab. Génie de Production
15:10-15:30	ThB16.6
<i>Integration Optimization of Production and Utility System for Refinery-Wide Planning</i> , pp. 9599-9604.	
Zhao, Hao	Zhejiang Univ.
Rong, Gang	Zhejiang Univ.
Feng, YiPing	ZheJiang Univ.
Dong, Xiaoyang	Zhejiang Univ.
ThB17	Marco Polo
Control of Hybrid Systems (Regular Session)	
Chair: Cassandras, Christos G.	Boston Univ.
Co-Chair: Cipriano, Aldo	Pontificia Univ. Catolica de Chile
13:30-13:50	ThB17.1
<i>Laxity Release Optimization for Simulink Models</i> , pp. 9605-9610.	
Qin, Kaijie	Tsinghua Univ.
Luo, Guiming	Tsinghua Univ.
13:50-14:10	ThB17.2
<i>Energy-Aware Vehicle Routing in Networks with Charging Nodes</i> , pp. 9611-9616.	
Wang, Tao	Boston Univ.
Cassandras, Christos G.	Boston Univ.
Pourazarm, Sepideh	Boston Univ.
14:10-14:30	ThB17.3
<i>Experimental Validation of Combined Nonlinear Optimal Control and Estimation of an Overhead Crane</i> , pp. 9617-9622.	
Debrouwere, Frederik	KU Leuven
Vukov, Milan	KU Leuven
Quirynen, Rien	KU Leuven
Diehl, Moritz	K.U. Leuven
Swevers, Jan	K. U. Leuven
14:30-14:50	ThB17.4
<i>A Hybrid MPC Strategy Applied to Flotation Process</i> , pp. 9623-9628.	
Putz, Eduardo	Pontificia Univ. Catolica de Chile
Cipriano, Aldo	Pontificia Univ. Catolica de Chile
14:50-15:10	ThB17.5
<i>On the Minimum Principle and Dynamic Programming for Hybrid Systems</i> , pp. 9629-9634.	
Pakniyat, Ali	McGill Univ.
Caines, Peter E.	McGill Univ.
15:10-15:30	ThB17.6
<i>Using Model Predictive Control in Data Centers for Dynamic Server Provisioning</i> , pp. 9635-9642.	
Fang, Qiu	Tongji Univ.
Wang, Jun	Tongji Univ.
Zhu, Han	Tongji Univ.
Gong, Qi	Univ. of California, Santa Cruz
ThB18	2.43 - Pedro Albertos
Marine Vehicle Navigation and Guidance (Regular Session)	
Chair: Bibuli, Marco	CNR-ISSIA
Co-Chair: Blanke, Mogens	Tech. Univ. of Denmark
13:30-13:50	ThB18.1
<i>Coordinated Closed-Curve Path Following Control of Multi-Unicycle in a Time-Invariant Flow Field</i> , pp. 9643-9648.	
Chen, Yangyang	Southeast Univ.
Tian, Yu-Ping	Southeast Univ.
Zhang, Ya	Southeast Univ.
13:50-14:10	ThB18.2
<i>Analytical Method of the Performance of the Rotational INS Based on the Spatial Accumulation of the Inertial Instrument Biases</i> , pp. 9649-9653.	
Zhou, Yuan	Beijing Inst. of Tech.

Deng, Zhihong	Beijing Inst. of Tech.
Wang, Bo	Beijing Inst. of Tech.
Xiao, Xuan	Beijing Inst. of Tech.
Wang, Meiling	Beijing Inst. of Tech.
14:10-14:30	ThB18.3
<i>Navigation System Fault Diagnosis for Underwater Vehicle</i> , pp. 9654-9660.	
Falkenberg, Thomas	The Tech. Univ. of Denmark
Tavs Gregersen, René	DGS Denmark A/S
Blanke, Mogens	Tech. Univ. of Denmark
14:30-14:50	ThB18.4
<i>Underwater Glider Navigation Error Compensation Using Sea Current Data</i> , pp. 9661-9666.	
Kim, Jongrae	Univ. of Glasgow
Park, Yosup	Korea Inst. of Ocean Science & Tech.
Lee, Shinje	Korea Inst. of Ocean Science & Tech.
Lee, Yong Kuk	Korea Inst. of Ocean Science & Tech.
14:50-15:10	ThB18.5
<i>Continuum Evolution of a System of Agents with Finite Size</i> , pp. 9667-9672.	
Rastgoftar, Hossein	Drexel Univ.
Jayasuriya, Suhada	Univ. of Central Florida
15:10-15:30	ThB18.6
<i>Collision Avoidance for Vessels Using a Low-Cost Radar Sensor</i> , pp. 9673-9678.	
Schuster, Michael	HTWG Konstanz
Blaich, Michael	Univ. of Applied Sciences Konstanz
Reuter, Johannes	Univ. of Applied Sciences
ThB19 2.46 - Vladimir Kucera	
Spacecraft Systems (Regular Session)	
Chair: Steyn, Willem Herman	Stellenbosch Univ.
Co-Chair: Matveev, Mikhail	Moscow Inst. of Physics and Tech.
13:30-13:50	ThB19.1
<i>Arcminute Attitude Estimation for CubeSats with a Novel Nano Star Tracker</i> , pp. 9679-9684.	
Erlank, Alex	Stellenbosch Univ.
Steyn, Willem Herman	Stellenbosch Univ.
13:50-14:10	ThB19.2
<i>Four Reaction Wheels Management: Algorithms Trade-Off and Tuning Drivers for the PROBA-3 Mission (I)</i> , pp. 9685-9690.	
Kron, Aymeric	Univ. of Sherbrooke
St-Amour, Amelie	NGC Aerospace Ltd
de Lafontaine, Jean	Univ. de Sherbrooke / NGC Aerospace Ltd
14:10-14:30	ThB19.3
<i>Real-Time 3D Collision Prediction for On-Orbit Servicing Missions</i> , pp. 9691-9696.	
Posch, Andre	Univ. Stuttgart
Schmidt, Michael	Univ. Stuttgart
Schwientek, Alexander O.	ASTRIUM GmbH
Sommer, Josef	Astrium Space Transportation
Fichter, Walter	Univ. Stuttgart
14:30-14:50	ThB19.4
<i>A Simple and Accurate Method for Detecting Cube Corner Rotations</i> , pp. 9697-9702.	
Matveev, Mikhail	Moscow Inst. of Physics and Tech.
14:50-15:10	ThB19.5
<i>Trajectory Planning for Spacecraft Rendezvous in Elliptical Orbits with On/Off Thrusters</i> , pp. 9703-9708.	
Vazquez, Rafael	Univ. de Sevilla
Gavilan, Francisco	Univ. de Sevilla
Camacho, Eduardo F.	Univ. of Seville
15:10-15:30	ThB19.6
<i>Autonomous Rendezvous Control and Determination of Unknown Target Orbit</i> , pp. 9709-9714.	
Xu, Lijia	Beijing Inst. of Control Engineering
Hu, Yong	Beijing Inst. of Control Engineering

ThB20		2.63 - Wook Hyun Kwon
Telematics: Control Via Communication Networks (Regular Session)		
Chair: Hille, Christof		Univ. of Siegen
Co-Chair: Pereira, Carlos Eduardo		Federal Univ. of Rio Grande do Sul - UFRGS
13:30-13:50		ThB20.1
<i>OPC-DB Link for the Management of New Systems in a Remote Laboratory</i> , pp. 9715-9720.		
Dominguez Gonzalez, Manuel		Univ. de Leon
Alonso Castro, Serafín		Univ. de León
Fuertes, Juan J.		Univ. de Leon
Prada, Miguel Angel		Univ. de Leon
Morán Álvarez, Antonio		Univ. de Leon
Barrientos, Pablo		Inst. DE AUTOMATICA Y FABRICACIÓN DE LA Univ. DELEON
13:50-14:10		ThB20.2
<i>Robust H^∞ Power and Rate Control for Uncertain Wireless Networks with Time-Varying State and Input Delays</i> , pp. 9721-9726.		
Han, Cunwu		North China Univ. of Tech.
Sun, De Hui		North China Univ. of Tech.
Li, Xiaoli		Univ. of Science and Tech. Beijing
Liu, Lei		Beijing Key Lab. of Fieldbus Tech. and Automation, No
Shi, Yun Tao		North China Univ. of Tech.
Li, Zhengxi		North China Univ. of Tech.
14:10-14:30		ThB20.3
<i>A New Clustering Algorithm Based on ACO and K-Medoids Optimization Methods</i> , pp. 9727-9731.		
Peng, Li		Jiangnan Univ.
Dong, Guoyong		Jiangnan Univ.
Dai, Feifei		Jiangnan Univ.
Liu, Guoping		Univ. of Glamorgan
14:30-14:50		ThB20.4
<i>Development of an Outdoor Mobile Robot for Teleoperation As an Agent for a Robot Network</i> , pp. 9732-9737.		
Hille, Christof		Univ. of Siegen
Nasir, Ahmad Kamal		Univ. of Siegen
Arias Abreu, Adrian		Univ. of Siegen
López Piñeiro, David, David		Univ. of Vigo
Roth, Hubert		Univ. Siegen
14:50-15:10		ThB20.5
<i>Virtualization - an Answer to Secure Development of Online Experiments</i> , pp. 9738-9743.		
Frřala, Tomřš		Slovak Univ. of Tech. in Bratislava, Faculty of Electr
Zakova, Katarina		Slovak Univ. of Tech. in Bratislava
15:10-15:30		ThB20.6
<i>Towards a WirelessHART Network with Spectrum Sensing</i> , pp. 9744-9749.		
Winter, Jean Michel		UFRGS
Müller, Ivan		Federal Univ. of Rio Grande do Sul
Pereira, Carlos Eduardo		Federal Univ. of Rio Grande do Sul - UFRGS
Netto, João César		UFRGS

ThB21		2.64 - Alberto Isidori
New Developments in Control and Optimization of Complex Systems (Invited Session)		
Chair: Chen, Jie		Beijing Inst. of Tech.
Co-Chair: Jiang, Zhong-Ping		Pol. School of Engineering, New York Univ.
Organizer: Chen, Jie		Beijing Inst. of Tech.
Organizer: Jiang, Zhong-Ping		Pol. School of Engineering, New York Univ.
13:30-13:50		ThB21.1
<i>Linear-Quadratic Optimal Control of Discrete-Time Stochastic Systems with Indefinite Weight Matrices and Mean-Field Terms (I)</i> , pp. 9750-9755.		
Ni, Yuan-Hua		Tianjin Pol. Univ.
Zhang, Ji-Feng		Chinese Acad. of Sciences

Li, Xun	Hong Kong Pol. Univ.
13:50-14:10	ThB21.2
<i>Global Adaptive Dynamic Programming for Continuous-Time Nonlinear Polynomial Systems (I)</i> , pp. 9756-9761.	
Jiang, Yu	Pol. Inst. of New York Univ.
Jiang, Zhong-Ping	Pol. School of Engineering, New York Univ.
14:10-14:30	ThB21.3
<i>Continuous-Time Distributed Convex Optimization with Set Constraints (I)</i> , pp. 9762-9767.	
Liu, Shuai	Nanyang Tech. Univ.
Qiu, Zhirong	School of Electrical and Electronic Engineering, Nanyang Tech.
Xie, Lihua	Nanyang Tech. Univ.
14:30-14:50	ThB21.4
<i>Consensus of Multi-Agent Systems by Distributed Event-Triggered Control (I)</i> , pp. 9768-9773.	
Hu, Wenfeng	City Univ. of Hong Kong
Liu, Lu	City Univ. of Hong Kong
Feng, Gang	City Univ. of Hong Kong
14:50-15:10	ThB21.5
<i>Cooperative Adaptive Fuzzy Control of High-Order Nonlinear Multi-Agent Systems with Unknown Dynamics (I)</i> , pp. 9774-9779.	
Huang, Jie	Beijing Inst. of Tech.
Fang, Hao	Beijing Inst. of Tech.
Chen, Jie	Beijing Inst. of Tech.
Dou, Li-Hua	Beijing Inst. of Tech.
Deng, Fang	Beijing Inst. of Tech.
15:10-15:30	ThB21.6
<i>Output Regulation of Linear Systems with State, Input and Output Delays (I)</i> , pp. 9780-9785.	
Yoon, Se Young (Pablo)	Univ. of Virginia
Lin, Zongli	Univ. of Virginia
ThB22	2.65 - Ian Craig
Advanced Control in Minerals Processing (Regular Session)	
Chair: Shah, Sirish L.	Univ. of Alberta
Co-Chair: Coetzee, Lodewicus Charl	Mintek
13:30-13:50	ThB22.1
<i>Stabilising and Optimising a Primary Closed-Loop Milling Circuit Feeding a Flotation Circuit Using StarCS RNMPC</i> , pp. 9786-9791.	
Coetzee, Lodewicus Charl	Mintek
13:50-14:10	ThB22.2
<i>Output Tracking for a Milling Circuit Using Model Predictive Static Programming</i> , pp. 9792-9797.	
Le Roux, Johan Derik	Univ. of Pretoria
Craig, Ian	Univ. of Pretoria
Padhi, Radhakant	Indian Inst. of Science
14:10-14:30	ThB22.3
<i>Performance Audit of a Semi-Autogenous Grinding Mill Circuit</i> , pp. 9798-9803.	
Haasbroek, Adriaan Lodewicus	Stellenbosch Univ.
Barnard, Jp	Stellenbosch Univ.
Auret, Lidia	Stellenbosch Univ.
14:30-14:50	ThB22.4
<i>Dynamic Model for a Dense Medium Drum Separator in Coal Beneficiation*</i> .	
Meyer, Ewald Jonathan	Exxaro
Craig, Ian	Univ. of Pretoria
14:50-15:10	ThB22.5
<i>A New Nonlinear Suboptimal Control Design Approach for Milling Circuits</i> , pp. 9804-9809.	
Naidoo, Myrin	Univ. of Pretoria
Padhi, Radhakant	Indian Inst. of Science
Craig, Ian	Univ. of Pretoria
15:10-15:30	ThB22.6
<i>A Model Predictive Control for Coal Beneficiation Dense Medium Cyclones</i> , pp. 9810-9815.	
Zhang, Lijun	Univ. of Pretoria
Xia, Xiaohua	Univ. of Pretoria

ThB23		2.66
Trajectory Tracking and Path Following (Regular Session)		
Chair: Tsourdos, Antonios		Cranfield Univ.
Co-Chair: Isaiah, Pantelis		The Tech. Inst. of Tech.
13:30-13:50		ThB23.1
<i>A Task and Motion Planning Algorithm for the Dubins Travelling Salesperson Problem</i> , pp. 9816-9821.		
Isaiah, Pantelis		The Tech. Inst. of Tech.
Shima, Tal		Tech. - Israel Inst. of Tech.
13:50-14:10		ThB23.2
<i>Planning of Optimal Collision Avoidance Trajectories with Timed Elastic Bands</i> , pp. 9822-9827.		
Keller, Martin		TU Dortmund Univ.
Hoffmann, Frank		Univ. of Dortmund
Bertram, Torsten		Tech. Univ. Dortmund
Hass, Carsten		TRW Automotive GmbH
Seewald, Alois		TRW Automotive GmbH
14:10-14:30		ThB23.3
<i>Trajectory Planning for AGVs in Automated Container Terminals Using Avoidance Constraints</i> , pp. 9828-9833.		
Xin, Jianbin		Delft Univ. of Tech.
Negenborn, Rudy		Delft Univ. of Tech.
Lodewijks, Gabriël		Delft Univ. of Tech.
14:30-14:50		ThB23.4
<i>Hybrid Terrestrial and Aerial Quadrotor Control</i> , pp. 9834-9839.		
Thorel, Sylvain		Ec. des mines de paris
D'Andrea-Novel, Brigitte		Ec. des Mines de Paris
14:50-15:10		ThB23.5
<i>Passivity Analysis and Design of a Robust Nested Passivity-Based Controller for Trajectory Tracking of Autonomous Vehicles</i> , pp. 9840-9846.		
Tagne, Gilles		Heudiasyc, Univ. of Tech. of Compiègne
Talji, Reine		Heudiasyc, Univ. of Tech. of Compiègne
Charara, Ali		UMR CNRS 6599
ThB24		Francis Drake
Computing and Control in the Social Sciences (Regular Session)		
Chair: Takada, Yuji		Nissan Motor Co.,Ltd.
Co-Chair: Wang, Fei-Yue		Univ. of Arizona
13:30-13:50		ThB24.1
<i>A Social Choice Force Model for Estimating Collective Action Manipulation</i> , pp. 9847-9852.		
Zhang, Jie		Chinese Acad. of Sciences
Zeng, Shuai		Inst. of Automation, Chinese Acad. of Sciences
Liu, Wenli		Chinese Acad. of Sciences
Tao, Wang		National Univ. of Defense Tech.
Wang, Fei-Yue		Univ. of Arizona
Chen, Philip		Science and Tech. Univ. of Macau
13:50-14:10		ThB24.2
<i>On Mobilizing Processes of Cyber Movement Organizations</i> , pp. 9853-9857.		
Tao, Wang		National Univ. of Defense Tech.
Kainan, Cui		Chinese Acad. of Sciences
Wang, Fei-Yue		Univ. of Arizona
Liu, Zhong		National Univ. of Defense Tech.
Chen, Philip		Science and Tech. Univ. of Macau
Zhang, Jie		Chinese Acad. of Sciences
14:10-14:30		ThB24.3
<i>Behavior Modeling of Internet Water Army in Online Forums</i> , pp. 9858-9863.		
Zeng, Ke		Xi'an Jiaotong Univ.
Wang, Xiao		Institute of Automation, Chinese Acad. of Science
Zhang, Qingpeng		Rensselaer Pol. Inst.

Zhang, Xinzhan Wang, Fei-Yue	Xi'an Jiaotong Univ. Engineering School Univ. of Arizona
14:30-14:50	ThB24.4
<i>Cognitive Causality Modelling for Human Behavior: The Method and Its Applications</i> , pp. 9864-9869.	
Takada, Yuji Naito, Taku Sawaragi, Tetsuo	Nissan Motor Co.,Ltd. Fujitsu Quality Lab. Ltd. Kyoto Univ.
14:50-15:10	ThB24.5
<i>Opinion Dynamics of Modified Hegselmann-Krause Model with Group-Based Bounded Confidence</i> , pp. 9870-9874.	
Fu, Guiyuan Zhang, Weidong	Shanghai Jiaotong Univ. Shanghai Jiao Tong Univ.
15:10-15:30	ThB24.6
<i>Engineering Management in Kosovo</i> , pp. 9875-9879.	
Kopacek, Peter Hajrizi, Edmond	Vienna Univ. of Tech. Univ. for Business and Tech.
ThB25	Poster area
Interactive Session on Biological Systems (Interactive Session)	
Chair: Andreassen, Steen Co-Chair: Rodgers, Geoffrey W.	Aalborg Univ. Univ. of Canterbury
13:30-15:30	ThB25.1
<i>Interval Type 2 Fuzzy Logic Adaptive Modelling for Human Operators Undergoing Mental Stress</i> , pp. 9880-9885.	
Torres Salomao, Luis Alberto Mahfouf, Mahdi Obajemu, Olusayo	Univ. of Sheffield Univ. of Sheffield The Univ. of Sheffield
13:30-15:30	ThB25.2
<i>Estimating the Measuring Effort for Using a Two-Parameter Gas Exchange Model in Clinical Practice (I)</i> , pp. 9886-9889.	
Riedlinger, Axel Kretschmer, Joern Moeller, Knut	Furtwangen Univ. Furtwangen Univ. Furtwangen Univ.
13:30-15:30	ThB25.3
<i>A New Retuning Approach for DoA Reference Tracking Improvement (I)</i> , pp. 9890-9894.	
Nogueira, Filipa Mendonça, Teresa Rocha, Paula	Faculdade de Engenharia da Univ. do Porto Faculdade de Ciências da Univ. do Porto Univ. of Porto
13:30-15:30	ThB25.4
<i>Analysis of a Lever-Driven Wheelchair Prototype and the Correlation Between (I)</i> , pp. 9895-9900.	
Jenkins, Andrew Gooch, Shayne Theallier, Delphin Dunn, Jennifer	Univ. of Canterbury Univ. of Canterbury Inst. Français de Mécanique Avancée Univ. of Otago
13:30-15:30	ThB25.5
<i>Classification Efficiency in Wheelchair Rugby: Strength Analysis (I)</i> , pp. 9901-9906.	
Tromop van Dalen, Caitlin Gooch, Shayne Ingram, Ben Borren, Guy Leonard Jenkins, Andrew Dunn, Jennifer	Univ. of Canterbury Univ. of Canterbury Univ. of Canterbury Univ. of Canterbury Univ. of Canterbury Univ. of Otago
13:30-15:30	ThB25.6
<i>Topology Optimization of Porous Lattice Structures for Orthopaedic Implants (I)</i> , pp. 9907-9912.	
Rodgers, Geoffrey W. Van Houten, Elijah Bianco, Rohan Jean Besset, Romain Woodfield, Tim B.F.	Univ. of Canterbury Univ. de Sherbrooke, Quebec, Canada Dpart. de Gnie Mcanique, Lcole Pol. de Montral, Montal, Supméca, Paris, France Univ. of Otago Christchurch
13:30-15:30	ThB25.7

In Silico Assessment of a Computerized Model-Based Glycaemic Control Approach in a Belgian Medical Intensive Care Unit (I), pp. 9913-9918.

Penning, Sophie	Univ. of Liege, Liege, Belgium
Lambermont, Bernard	Univ. of Liege
Desaive, Thomas	Univ. of Liege
Pretty, Christopher	Univ. of Canterbury
Chase, J. Geoffrey	Univ. of Canterbury

13:30-15:30

ThB25.8

Medical Decision Support in Mechanical Ventilation Employing Combined Model Information of Gas Exchange and Respiratory Mechanics (I), pp. 9919-9923.

Kretschmer, Joern	Furtwangen Univ.
Riedlinger, Axel	Furtwangen Univ.
Schranz, Christoph	Furtwangen Univ.
Moeller, Knut	Furtwangen Univ.

ThC01

Ballroom East - Harold Chestnut

Load Modeling and Control I (Invited Session)

Chair: Weber, Harald	Univ. of Rostock
Co-Chair: Andersen, Palle	Aalborg Univ.
Organizer: Weber, Harald	Univ. of Rostock

16:00-16:20

ThC01.1

Bayesian Parameter Estimation for Direct Load Control of Populations of Air Conditioners (I), pp. 9924-9929.

Mahdavi, Nariman	CSIRO
Perfumo, Cristian	CSIRO
Braslavsky, Julio H.	Australian Commonwealth Scientific and Industrial Res.

16:20-16:40

ThC01.2

Towards Load Control of Populations of Air Conditioners with Guaranteed Comfort Margins (I), pp. 9930-9935.

Mahdavi, Nariman	CSIRO
Perfumo, Cristian	CSIRO
Braslavsky, Julio H.	Australian Commonwealth Scientific and Industrial Res.

16:40-17:00

ThC01.3

Direct Load Control System Design Using Active Database (I), pp. 9936-9941.

Choi, SangYule	Induk Univ.
Lee, Kwang Y.	Baylor Univ.

17:00-17:20

ThC01.4

Aggregation and Control of Supermarket Refrigeration Systems in a Smart Grid (I), pp. 9942-9949.

Pedersen, Rasmus	Aalborg Univ.
Schwensen, John	Vestas Tech. R&D
Biegel, Benjamin	Aalborg Univ.
Stoustrup, Jakob	Pacific Northwest National Lab.
Green, Torben	Danfoss A/S

17:20-17:40

ThC01.5

Aggregation and Control of Flexible Consumers – a Real Life Demonstration (I), pp. 9950-9955.

Biegel, Benjamin	Aalborg Univ.
Andersen, Palle	Aalborg Univ.
Stoustrup, Jakob	Pacific Northwest National Lab.
Madsen, Mathias Bækdal	Neogrid Tech.
Hansen, Lars Henrik	DONG Energy A/S
Rasmussen, Lotte Holmberg	Neas Energy A/S

17:40-18:00

ThC01.6

Demand Response of Thermostatic Loads by Optimized Switching-Fraction Broadcast, pp. 9956-9961.

Totu, Luminita Cristiana	Aalborg Univ.
Wisniewski, Rafal	Aalborg Univ.

ThC02

Ballroom West - Aleksander Letov

Nonlinear Control Systems (Regular Session)

Chair: Du, Haibo	Hefei Univ. of Tech.
Co-Chair: Manzie, Chris	The Univ. of Melbourne

16:00-16:20	ThC02.1
<i>Graph Decomposition Based Design and Analysis of Consensus Protocols</i> , pp. 9962-9967.	
Xu, Yaojin	Southeast Univ.
Tian, Yu-Ping	Southeast Univ.
16:20-16:40	ThC02.2
<i>Attitude Synchronization for Multiple Flexible Spacecraft Based on Non-Smooth Control</i> , pp. 9968-9972.	
Du, Haibo	Hefei Univ. of Tech.
He, Yigang	Hefei Univ. of Tech.
Li, Shihua	Southeast Univ.
Cheng, Yingying	Hefei Univ. of Tech.
Chen, Xisong	Southeast Univ.
16:40-17:00	ThC02.3
<i>Multi-Agent Gradient Climbing Via Extremum Seeking Control</i> , pp. 9973-9978.	
Khong, Sei Zhen	Lund Univ.
Manzie, Chris	The Univ. of Melbourne
Tan, Ying	Univ. of Melbourne
Nesic, Dragan	Univ. of Melbourne
17:00-17:20	ThC02.4
<i>Quantized Feedback Stabilization of Sampled-Data Switched Linear Systems</i> , pp. 9979-9984.	
Wakaiki, Masashi	Kyoto Univ.
Yamamoto, Yutaka	Kyoto Univ.
17:20-17:40	ThC02.5
<i>Mean-Square Stabilization of Invariant Manifolds for SDEs</i> , pp. 9985-9990.	
Ryashko, Lev	Ural Federal Univ.
Bashkirtseva, Irina	Ural Federal Univ.
17:40-18:00	ThC02.6
<i>Quantum Lyapunov Control Based on the Average Value of an Imaginary Mechanical Quantity</i> , pp. 9991-9997.	
Cong, Shuang	Univ. of Science and Tech. of China
Meng, Fangfang	Department of Automation, Univ. of Science and Tech. o
Kuang, Sen	Univ. of Science and Tech. of China
ThC03	Auditorium 2 - Eduard Gerecke
Frequency Domain Identification (Regular Session)	
Chair: Middleton, Richard	The Univ. of Newcastle
Co-Chair: Giri, Fouad	Univ. of Caen Basse-Normandie
16:00-16:20	ThC03.1
<i>Channel Estimation and Interpolation for Fourth Generation Mobile Broadband Telecommunications</i> , pp. 9998-10003.	
Cea Garrido, Mauricio Esteban	Univ. of Newcastle
Goodwin, Graham C.	Univ. of Newcastle
Carvajal, Rodrigo	Univ. Tecnica Federico Santa Maria
Middleton, Richard	The Univ. of Newcastle
Mahata, Kaushik	Univ. of Newcastle
Karlsson, Robert S	Ericsson AB
16:20-16:40	ThC03.2
<i>Estimation of 3D Rotation for a Satellite from Sun Sensors</i> , pp. 10004-10011.	
Magnis, Lionel	MINES ParisTech
Petit, Nicolas	MINES ParisTech
16:40-17:00	ThC03.3
<i>Characterizing Porous Ceramics by Frequency-Response Method</i> , pp. 10012-10017.	
Järveläinen, Matti Kalevi	Tampere Univ. of Tech.
Salpavaara, Timo	Tampere Univ. of Tech.
Seppälä, Sari	Tampere Univ. of Tech.
Roinila, Tomi	Tampere Univ. of Tech.
Yli-Hallila, Teemu Veikko Johannes	Tampere Univ. of Tech.
Levänen, Erkki	Tampere Univ. of Tech.
Vilkko, Matti Kalervo	Tampere Univ. of Tech.
17:00-17:20	ThC03.4

On Numerically Reliable Frequency-Domain System Identification: New Connections and a Comparison of Methods, pp. 10018-10023.
 Voorhoeve, Robbert Eindhoven Univ. of Tech.
 Oomen, Tom Eindhoven Univ. of Tech.
 van Herpen, Robbert Eindhoven Univ. of Tech.
 Steinbuch, Maarten Eindhoven Univ. of Tech.

17:20-17:40 ThC03.5

Frequency-Domain Least-Squares Support Vector Machines to Deal with Correlated Errors When Identifying Linear Time-Varying Systems, pp. 10024-10029.

Lataire, John Vrije Univ. Brussel
 Piga, Dario Eindhoven Univ. of Tech.
 Tóth, Roland Eindhoven Univ. of Tech.

17:40-18:00 ThC03.6

Frequency Identification of Hammerstein-Wiener Systems with Piecewise Affine Input Nonlinearity, pp. 10030-10035.

Brouri, Adil L2MC, ENSAM, Univ. moulay Ismail, Meknes, Morocco
 Giri, Fouad Univ. of Caen Basse-Normandie
 Chaoui, Fatima-Zahra ENSET, Univ. Mohamed V
 Amdouri, Aomar ENSET-Rabat

ThC04 Roof Terrace - John Coales

Coordination of Multiple Vehicle Systems II (Regular Session)

Chair: Hu, Xiaoming KTH Royal Inst. of Tech.
 Co-Chair: Morse, A. Stephen Yale Univ.

16:00-16:20 ThC04.1

Formation Merging Control in 3D under Directed and Switching Topologies, pp. 10036-10041.

Han, Tingrui Zhejiang Univ.
 Lin, Zhiyun Zhejiang Univ.
 Fu, Minyue Univ. of Newcastle

16:20-16:40 ThC04.2

Focused First-Followers Accelerate Aligning Followers with the Leader in Reaching Network Consensus, pp. 10042-10047.

Cao, Ming Univ. of Groningen
 Olshevsky, Alexander Univ. of Illinois at Urbana-Champaign
 Xia, Weiguo Royal Inst. of Tech.

16:40-17:00 ThC04.3

Decentralized Control of Multi-UAVs for Target Search, Tasking and Tracking, pp. 10048-10053.

Meng, Wei National Univ. of Singapore
 He, Zhirong Sichuan Univ.
 Teo, Rodney National Univ. of Singapore
 Su, Rong Nanyang Tech. Univ.
 Shehabinia, Ahmad Reza Nanyang Tech. Univ.
 Lin, Liyong Nanyang Tech. Univ.
 Xie, Lihua Nanyang Tech. Univ.

17:00-17:20 ThC04.4

Pursuit Formation Control Scheme for Double-Integrator Multi-Agent Systems, pp. 10054-10059.

Rezaee, Hamed AmirKabir Univ. of Tech.
 Abdollahi, Farzaneh Concordia Univ.

17:20-17:40 ThC04.5

Three-Dimensional Consensus Path-Following for Second-Order Multi-Agent Networks, pp. 10060-10065.

Zuo, Zongyu Beijing Univ. of Aeronautics and Astronautics
 Zhu, Bing Univ. of Pretoria
 Xu, Ming Beihang Univ.

17:40-18:00 ThC04.6

Periodic Event-Triggered Distributed Receding Horizon Control of Dynamically Decoupled Linear Systems, pp. 10066-10071.

Li, Huiping Northwestern Pol. Univ.
 Shi, Yang Univ. of Victoria
 Yan, Weisheng Northwestern Pol. Univ.
 Cui, Rongxin National Univ. of Singapore

ThC05		Da Gama/Diaz
Systems with Time Delays I (Regular Session)		
Chair: Gao, Furong		Hong Kong Univ. of Sci & Tech.
Co-Chair: Yamada, Kou		Gunma Univ.
16:00-16:20		ThC05.1
<i>State Feedback Stabilization of Time Delay Linear Singular Systems Subject to Actuator Saturation</i> , pp. 10072-10077.		
Gassara, Hamdi		Univ. of Picardie Jules Verne
El hajjaji, Ahmed		Univ. de Picardie-Jules Verne
Chaabane, Mohamed		Univ. of Sfax
16:20-16:40		ThC05.2
<i>New Result on Low-Order Controller Design for First-Order Delay Processes Via Eigenvalue Assignment</i> , pp. 10078-10083.		
Wang, Honghai	Coll. of Information Science and Engineering, NortheasternUniv	
Liu, Jianchang		P.o.box 134,Northeastern Univ.
Yang, Feisheng		Northeastern Univ.
Zhang, Yu	Coll. of Information Science and Engineering, NortheasternUniv	
16:40-17:00		ThC05.3
<i>Delay-Dependent Regional Stabilization of Nonlinear Quadratic Time-Delay Systems</i> , pp. 10084-10089.		
de Souza, Carlos E.		Lab. Nac. de Comp. Cientifica - LNCC
Coutinho, Daniel		Univ. Federal de Santa Catarina
17:00-17:20		ThC05.4
<i>Robust Stabilizing Simple Multi-Period Repetitive Controllers for Multiple-Input/ Multiple-Output Time-Delay Plants</i> , pp. 10090-10095.		
Sakanushi, Tatsuya		Gunma Univ.
Yamada, Kou		Gunma Univ.
17:20-17:40		ThC05.5
<i>Converse Lyapunov--Krasovskii Theorems for Uncertain Time-Delay Systems</i> , pp. 10096-10100.		
Haidar, Ihab		SupElec
Mason, Paolo		L2S Supelec, CNRS
Sigalotti, Mario		INRIA Nancy - Grand Est
ThC06		2.41 Pawel Nowacki
Mechatronic Systems I (Regular Session)		
Chair: Sawodny, Oliver		Univ. of Stuttgart
Co-Chair: Li, Guang		The Univ. of Exeter
16:00-16:20		ThC06.1
<i>A Generic Dynamically Substructured System Framework and Its Dual Counterparts</i> , pp. 10101-10106.		
Li, Guang		The Univ. of Exeter
16:20-16:40		ThC06.2
<i>An Innovative Method for Rotor Inertia Emulation at Wind Turbine Test Benches</i> , pp. 10107-10112.		
Jassmann, Uwe		RWTH Aachen Univ.
Reiter, Matthias		RWTH Aachen
Abel, Dirk		RWTH-Aachen Univ.
16:40-17:00		ThC06.3
<i>Experimental Study of Nonsingular Terminal Sliding Mode Controller for Robot Arm Actuated by Pneumatic Artificial Muscles</i> , pp. 10113-10118.		
Rezoug, Amar	center for developpment of advanced Tech.	
Tondu, Bertrand	LAAS-CNRS and Univ. of Toulouse	
Hamerlain, Mustapha		CDTA
17:00-17:20		ThC06.4
<i>Real-Time Heave Motion Estimation Using Adaptive Filtering Techniques</i> , pp. 10119-10125.		
Richter, Markus		Univ. of Stuttgart
Schneider, Klaus		Liebherr Werk Nenzing GmbH
Walser, Dominik		Liebherr-Werk Nenzing GmbH
Sawodny, Oliver		Univ. of Stuttgart
17:20-17:40		ThC06.5
<i>Optimization for 3D Model-Based Multi-Camera Deployment (I)</i> , pp. 10126-10131.		
Zhang, Xuebo		Nankai Univ.
Alarcon, Jose	Electrical and Computer Engineering Department, Univ. of Wi	

Chen, Xiang	Univ. of Windsor
17:40-18:00	ThC06.6
<i>Distributed Parameter Modeling of Flexible Ball Screws Using Ritz Series Discretization</i> , pp. 10132-10137.	
Henke, Benjamin	Univ. of Stuttgart
Sawodny, Oliver	Univ. of Stuttgart
Neumann, Ruediger	Festo AG & Co. KG
ThC07	2.44 - Victor Broida
Control of Blood Glucose II (Regular Session)	
Chair: Benyo, Balazs	Budapest Univ. of Tech. and Ec.
Co-Chair: Chase, J. Geoffrey	Univ. of Canterbury
16:00-16:20	ThC07.1
<i>Magic DRAGONS: A Protocol for Accurate Glycaemic Control in General Wards (I)</i> , pp. 10138-10143.	
Thomas, Felicity	Univ. of Canterbury
Watson, Angus	Univ. of Canterbury
Tomlinson, Hamish	Univ. of Canterbury
Borowczyk, Hamish	Univ. of Canterbury
Pretty, Christopher	Univ. of Canterbury
Fisk, Liam	Univ. of Canterbury
Dickson, Jennifer Launa	Univ. of Canterbury
Chiew, Yeong Shiong	Univ. of Canterbury
Shaw, Geoffrey M	Christchurch Hospital, Canterbury District Health Board
Chase, J. Geoffrey	Univ. of Canterbury
16:20-16:40	ThC07.2
<i>A Constrained Model Predictive Controller for an Artificial Pancreas (I)</i> , pp. 10144-10149.	
Messori, Mirko	Univ. of Pavia
Fornasiero, Enrico	Univ. of Pavia
Toffanin, Chiara	Univ. of Pavia
Cobelli, Claudio	Univ. of Padova
Magni, Lalo	Univ. of Pavia
16:40-17:00	ThC07.3
<i>Performance and Safety of STAR Glycaemic Control in Neonatal Intensive Care: Further Clinical Results Including Pilot Results from a New Protocol Implementation (I)</i> , pp. 10150-10155.	
Dickson, Jennifer Launa	Univ. of Canterbury
Lynn, Adrienne	Christchurch Women's Hospital
Gunn, Cameron Allan	Univ. of Canterbury
Le Compte, Aaron	Univ. of Canterbury
Fisk, Liam	Univ. of Canterbury
Shaw, Geoffrey M	Christchurch Hospital, Canterbury District Health Board
Chase, J. Geoffrey	Univ. of Canterbury
17:00-17:20	ThC07.4
<i>Switching Hybrid Control of Blood Glucose in Diabetic Göttingen Minipigs (I)</i> , pp. 10156-10161.	
Lunze, Katrin	RWTH Aachen
Misgeld, Berno	RWTH Aachen Univ.
Leonhardt, Steffen	RWTH Aachen
17:20-17:40	ThC07.5
<i>Insulin Sensitivity Variability During Hypothermia (I)</i> , pp. 10162-10167.	
Sah Pri, Azurahisham	Univ. of Canterbury
Chase, J. Geoffrey	Univ. of Canterbury
Pretty, Christopher	Univ. of Canterbury
Shaw, Geoffrey M	Christchurch Hospital, Canterbury District Health Board
Preiser, Jean-Charles	Dept of Intensive Care, CUB Hospital Erasme, Free Univ. of
Penning, Sophie	Univ. of Liege, Liege, Belgium
Desaive, Thomas	Univ. of Liege
Fabio, Taccone	Erasme Univ. Hospital
17:40-18:00	ThC07.6
<i>Gender and Glycaemia: Insulin Sensitivity and Secretion in Premature Neonates (I)</i> , pp. 10168-10173.	
Dickson, Jennifer Launa	Univ. of Canterbury

Chase, J. Geoffrey
 Gunn, Cameron Allan
 Pretty, Christopher
 Lynn, Adrienne
 Alsweller, Jane

Univ. of Canterbury
 Univ. of Canterbury
 Univ. of Canterbury
 Christchurch Women's Hospital
 Department of Paediatrics: Child and Youth Health, Auckland; Lig

ThC08		2.61 - John Lozier
Localisation and Path Planning (Regular Session)		
Chair: Muraca, Pietro Maria		Univ. Della Calabria
Co-Chair: Muraca, Pietro Maria		Univ. Della Calabria
16:00-16:20		ThC08.1
<i>Rao-Blackwellized Particle Smoothing for Occupancy-Grid Based SLAM Using Low-Cost Sensors</i> , pp. 10174-10181.		
Berntorp, Karl		Lund Univ.
Nordh, Jerker		Lund Univ.
16:20-16:40		ThC08.2
<i>A Decentralized Polynomial Based SLAM Algorithm for a Team of Mobile Robots</i> , pp. 10182-10187.		
D'Alfonso, Luigi		Univ. of Calabria, UNICAL
Grano, Antonio		UNICAL
Muraca, Pietro Maria		Univ. Della Calabria
Pugliese, Paolo		Univ. of Calabria
16:40-17:00		ThC08.3
<i>Autonomous Exploration of Large Unknown Indoor Environments for Dense 3D Model Building</i> , pp. 10188-10193.		
Maurovic, Ivan		Faculty of Electrical Engineering and Computing, Univ. of Z
Dakulovic, Marija		Univ. of Zagreb, Faculty of Electrical Engineering and Compu
Petrovic, Ivan		Univ. of Zagreb
17:00-17:20		ThC08.4
<i>Planar Features and 6D-SLAM Based on Linear Regression Kalman Filters with N-Dimensional Approximated Gaussians</i> , pp. 10194-10199.		
Ulas, Cihan		TUBITAK
Temeltas, Hakan		Istanbul Tech. Univ.
17:20-17:40		ThC08.5
<i>Path Planning for Minimizing Detection</i> , pp. 10200-10206.		
Jiang, Bomin		Australian National Univ.
Bishop, Adrian		NICTA, Control Group and the Australian National Univ. (ANU)
Anderson, Brian D.O.		Australian National Univ.
Drake, Samuel Picton		DSTO
17:40-18:00		ThC08.6
<i>Experimental Validation of Patrolling Strategies in an Automated Surveillance Environment</i> , pp. 10207-10212.		
Huck, Stephan M.		ETH Zürich
Kariotoglou, Nikolaos		ETH Zürich
Dahinden, Michael		ETH Zürich
Lygeros, John		ETH Zurich

ThC09		1.41 - Uolevi Luoto
Robotic Systems (Regular Session)		
Chair: Venture, Gentiane		Tokyo Univ. of Agriculture and Tech.
Co-Chair: Kanamori, Mitsuru		Maizuru National Coll. of Tech.
16:00-16:20		ThC09.1
<i>Distributed Control Architecture for Automated Surgical Task Execution with Coordinated Robot Arms</i> , pp. 10213-10218.		
Bonfe, Marcello		Univ. di Ferrara
Preda, Nicola		Univ. of Ferrara
Secchi, Cristian		Univ. of Modena and Reggio Emilia
Ferraguti, Federica		Univ. of Modena and Reggio Emilia
Muradore, Riccardo		Univ. of Verona
Repele, Luisa		Univ. di Verona
Lorenzi, Giovanni		Univ. di Verona
Fiorini, Paolo		Univ. of Verona

16:20-16:40	ThC09.2
<i>Study on Dynamics Identification of the Foot Viscoelasticity of a Humanoid Robot</i> , pp. 10219-10224.	
Mikami, Yuya	Tokyo Univ. of Agriculture and Tech.
Moulard, Thomas	JRL
Yoshida, Eiichi	AIST
Venture, Gentiane	Tokyo Univ. of Agriculture and Tech.
16:40-17:00	ThC09.3
<i>Energy Usage Simulation for 2 Articulated Robot Designs Having Stationary Motors and a Serial Robot Type Workspace</i> , pp. 10225-10229.	
Shaik, Ahmed Asif	CSIR
Tiale, Nkgatho Sylvester	CSIR
Bright, Glen	Univ. of KwaZulu Natal
17:00-17:20	ThC09.4
<i>Trajectory Generation for Assembly Tasks Via Bilateral Teleoperation</i> , pp. 10230-10235.	
Ghazaei Ardakani, M. Mahdi	LTH, Lund Univ.
Cho, Jang Ho	Lund Univ.
Johansson, Rolf	Lund Univ.
Robertsson, Anders	LTH, Lund Univ.
17:20-17:40	ThC09.5
<i>Trajectory Tracking of Nonholonomic Mobile Robots Using a Vision-Based Adaptive Algorithm for Position and Velocity Estimation (I)</i> , pp. 10236-10243.	
Li, Luyang	The Chinese Univ. of Hong Kong
Liu, Yunhui	the Chinese Univ. of Hong Kong
Wang, Kai	The Chinese Univ. of Hong Kong
17:40-18:00	ThC09.6
<i>Semiactive Virtual Control Method for Robots with Regenerative Energy-Storing Joints</i> , pp. 10244-10250.	
Richter, Hanz	Cleveland State Univ.
Simon, Dan	Cleveland State Univ.
van den Bogert, Ton	Orchard Kinetics
ThC11	1.43 - Tibor Vamos
Parametric Optimization (Regular Session)	
Chair: Li, Shaoyuan	Shanghai Jiao Tong Univ.
Co-Chair: Bazanella, Alexandre S.	Univ. Federal Do Rio Grande Do Sul
16:00-16:20	ThC11.1
<i>An Extremum Seeking Approach to Parameterised Loop-Shaping Control Design</i> , pp. 10251-10256.	
Lee, Chih Feng	Linköping Univ.
Khong, Sei Zhen	Lund Univ.
Frisk, Erik	Linköping Univ.
Krysander, Mattias	Linköping Univ.
16:20-16:40	ThC11.2
<i>Interdependent Multi-Objective Sizing and Control Optimisation of a Renewable Energy Hydrogen System</i> , pp. 10257-10262.	
Human, Gerhardus	North-West Univ.
van Schoor, George	North-West Univ.
Uren, Kenneth Richard	North-West Univ.
16:40-17:00	ThC11.3
<i>Reliability Based Multiobjective Optimization Design Procedure for PI Controller Tuning</i> , pp. 10263-10268.	
Reynoso-Meza, Gilberto	Univ. Pol. de Valencia
Sánchez, Helem Sabina	Univ. Autònoma de Barcelona
Blasco, Xavier	Pol. Univ. of Valencia
Vilanova, Ramon	Univ. Autònoma de Barcelona
17:00-17:20	ThC11.4
<i>Tuning Nonlinear Controllers with the Virtual Reference Approach</i> , pp. 10269-10274.	
Bazanella, Alexandre S.	Univ. Federal Do Rio Grande Do Sul
Neuhaus, Tassiano	Datacom Telematica
17:20-17:40	ThC11.5
<i>An Application of Multi-Parametric Programming in Integrated Circuit Automation (Slotting Problem)</i> , pp. 10275-10280.	

ThC13		1.61 - Boris Tamm
Networked Systems (Regular Session)		
Chair: Dabbene, Fabrizio		Pol. di Torino
Co-Chair: Zou, Yunlei		Nanjing Normal Univ.
16:00-16:20		ThC13.1
<i>Optimal Sensor Selection Strategies in the Presence of Wireless Communication Links</i> , pp. 10325-10330.		
Nordio, Alessandro		CNR-IEIIT
Tarable, Alberto		CNR-IEIIT
Dabbene, Fabrizio		Pol. di Torino
16:20-16:40		ThC13.2
<i>Decomposition with Respect to Outputs for Boolean Control Networks</i> , pp. 10331-10336.		
Zou, Yunlei		Nanjing Normal Univ.
Zhu, Jiandong		Nanjing Normal Univ.
16:40-17:00		ThC13.3
<i>Observer-Based Controller Design for Networked Predictive Control of an Automotive Drivetrain with Backlash</i> , pp. 10337-10342.		
Caruntu, Constantin - Florin		Tech. Univ. "Gheorghe Asachi" of Iasi
Lazar, Corneliu		Tech. Univ. Gh. Asachi of Iasi
17:00-17:20		ThC13.4
<i>On the Control Rate versus Quantizer-Resolution Trade Off in Networked Control</i> , pp. 10343-10348.		
Goodwin, Graham C.		Univ. of Newcastle
Cea Garrido, Mauricio Esteban		Univ. of Newcastle
Feuer, Arie		Tech.
Mayne, David Q.		Imperial Coll. London
17:20-17:40		ThC13.5
<i>Channel Model Identification in Wireless Sensor Networks Using a Fully Distributed Quantized Consensus Algorithm</i> , pp. 10349-10355.		
Cenedese, Angelo		Univ. of Padova
Zanella, Filippo		Univ. of Padova
17:40-18:00		ThC13.6
<i>Optimal Modification of Dynamical Network Topology</i> , pp. 10356-10360.		
Kim, Yoonsoo		Gyeongsang National Univ.
ThC14		1.62 - Brian Anderson
Time Series Modelling (Regular Session)		
Chair: Picci, Giorgio		Univ. of Padova
Co-Chair: Godoy, Boris I		The Univ. of New South Wales
16:00-16:20		ThC14.1
<i>Intra-Day DNI Forecasting under Clear Sky Conditions Using ANFIS</i> , pp. 10361-10366.		
Chauvin, Rémi		PROMES-CNRS
Nou, Julien		Univ. of Perpignan
Thil, Stéphane		Lab. PROMES (UPR 8521)
Grieu, Stéphane		Univ. of Perpignan Via Domitia
16:20-16:40		ThC14.2
<i>Blind Identification Via Lifting</i> , pp. 10367-10372.		
Ohlsson, Henrik		Linköping Univ.
Ratliff, Lillian		Univ. of California, Berkeley
Dong, Roy		Univ. of California at Berkeley
Sastry, Shankar		Univ. of California at Berkeley
16:40-17:00		ThC14.3
<i>A Rank-Constrained Optimization Approach: Application to Factor Analysis</i> , pp. 10373-10378.		
Delgado, Ramón A.		The Univ. of Newcastle
Aguero, Juan C		The Univ. of Newcastle
Goodwin, Graham C.		Univ. of Newcastle
17:00-17:20		ThC14.4
<i>Identification of Continuous-Time Transfer Function Models from Non-Uniformly Sampled Data in Presence of Colored Noise</i> , pp. 10379-10384.		
Chen, Fengwei		Univ. of Lorraine

Garnier, Hugues	Univ. de Lorraine
Gilson, Marion	Nancy-Univ.
Aguero, Juan C	The Univ. of Newcastle
Godoy, Boris I	The Univ. of New South Wales

17:20-17:40 ThC14.5

Identification of High Tide Models in the Venetian Lagoon: Variable Selection and G-LASSO, pp. 10385-10390.

Parise, Francesca	ETH Zurich
Picci, Giorgio	Univ. of Padova

ThC15 1.63 - Stephen Kahne
Stochastic Systems (Regular Session)

Chair: Lindquist, Anders	Royal Inst. of Tech.
Co-Chair: Xi, Yugeng	Shanghai Jiao Tong Univ.

16:00-16:20 ThC15.1

Applying Gaussian Processes to Reinforcement Learning for Fixed-Structure Controller Synthesis, pp. 10391-10396.

Bijl, Hildo	Delft Univ. of Tech.
van Wingerden, Jan-Willem	Delft Univ. of Tech.
Verhaegen, Michel	Delft Univ. of Tech.

16:20-16:40 ThC15.2

Learning Chronicles Signing Multiple Scenario Instances, pp. 10397-10402.

Subias, Audine	LAAS-CNRS
Travé-Massuyès, Louise	LAAS-CNRS
Le Corronc, Euriell	LAAS-CNRS

16:40-17:00 ThC15.3

On Time-Reversibility of Linear Stochastic Models, pp. 10403-10408.

Georgiou, Tryphon T.	Univ. of Minnesota
Lindquist, Anders	Royal Inst. of Tech.

17:00-17:20 ThC15.4

Stability of Diffusion Adaptive Filters, pp. 10409-10414.

Chen, Chen	Acad. of Mathematics and Systems Science, Chinese Acad. of S
Liu, Zhixin	Acad. of Mathematics and Systems Sciences
Guo, Lei	Chinese Acad. of Sciences

17:20-17:40 ThC15.5

Stabilization of Time-Delay Markovian Jump Systems Via Probability Rate Synthesis and State Feedback, pp. 10415-10420.

Ma, Shan	Univ. of New South Wales at Canberra at the Australian Defe
Xiong, Junlin	Univ. of Science and Tech. of China

17:40-18:00 ThC15.6

Formulation of MPC for Multiplicative Stochastic Uncertainty by Multi-Step Probabilistic Sets, pp. 10421-10426.

Li, Jiwei	Shanghai Jiao Tong Univ.
Li, Dewei	Shanghai Jiao Tong Univ.
Xi, Yugeng	Shanghai Jiao Tong Univ.
Cen, Lihui	Central South Univ.

ThC16 1.64 - Yong-Zai Lu
Control of Complex Systems (Regular Session)

Chair: Bakule, Lubomir	Acad. of Sciences of the Czech Republic
Co-Chair: Brdys, Mietek	Univ. of Birmingham

16:00-16:20 ThC16.1

Decentralized Stabilization of Large-Scale Civil Structures, pp. 10427-10432.

Bakule, Lubomir	Inst. of Information Theory and Automation, Acad. of Scien
Papik, Martin	Inst. of Information Theory and Automation, Acad. of Scien
Rehak, Branislav	Inst. of Information Theory and Automation, Acad. of Scien

16:20-16:40 ThC16.2

Multi-Variable Control for HPAL Using Nonlinear Multivariable Decoupling PID Control Based on Predictive Model, pp. 10433-10438.

Yao, Jia	State Key Lab. of Synthetical Automation for Process Indus
Wei, Dai	Northeastern Univ.
Heng, Yue	NORTHEASTERN Univ.

Chai, Tianyou	Northeastern Univ.
16:40-17:00	ThC16.3
<i>Microvia Fill Process Boundary Control</i> , pp. 10439-10444.	
Tenno, Robert	Aalto Univ. School of Electrical Engineering
Pohjoranta, Antti	VTT Tech. Res. centre of Finland
17:00-17:20	ThC16.4
<i>Iterative Optimization for Batch Processes through Online Modeling</i> , pp. 10445-10450.	
Zhao, Jinjin	zhejiang Univ.
Yang, Yi	Hong Kong Univ. of Sci. & Tech.
Chen, Xi	Zhejiang Univ.
Gao, Furong	Hong Kong Univ. of Sci & Tech.
17:20-17:40	ThC16.5
<i>Distributed Scheduling for Efficient HVAC Pre-Cooling Operations</i> , pp. 10451-10456.	
Su, Yang	Nanyang Tech. Univ.
Su, Rong	Nanyang Tech. Univ.
Poolla, Kameshwar	Univ. of California at Berkeley
17:40-18:00	ThC16.6
<i>Water Demand Forecasting for the Optimal Operation of Large-Scale Drinking Water Networks: The Barcelona Case Study</i> , pp. 10457-10462.	
Sampathirao, Ajay, Ajay Kumar	IMT Lucca
Grosso, Juan Manuel	Inst. de Robòtica i Informàtica Industrial (IRI CSIC-UPC)
Sopasakis, Pantelis	IMT Inst. for Advanced Studies Lucca
Ocampo-Martinez, Carlos	Tech. Univ. of Catalonia (UPC)
Bemporad, Alberto	IMT Inst. for Advanced Studies Lucca
Puig, Vicenc	Univ. Pol. de Catalunya
ThC17	Marco Polo
Stochastic Hybrid Systems (Regular Session)	
Chair: Zhang, Lixian	Harbin Inst. of Tech.
Co-Chair: Fu, Michael C.	Univ. of Maryland
16:00-16:20	ThC17.1
<i>Bias Reduction in Estimating Quantile Sensitivities</i> , pp. 10463-10468.	
Jiang, Guangxin	Tongji Univ.
Fu, Michael C.	Univ. of Maryland
Xu, Chenglong	Department of Mathematics, Tongji Univ.
16:20-16:40	ThC17.2
<i>Probabilistic Constrained Stochastic Model Predictive Control for Markovian Jump Linear Systems with Additive Disturbance</i> , pp. 10469-10474.	
Lu, Jianbo	Shanghai Jiao Tong Univ.
Xi, Yugeng	Shanghai Jiao Tong Univ.
Li, Dewei	Shanghai Jiao Tong Univ.
Cen, Lihui	Central South Univ.
16:40-17:00	ThC17.3
<i>Stability and Stabilization of Discrete-Time Markov Jump Piecewise-Affine Systems</i> , pp. 10475-10480.	
Zhang, Lixian	Harbin Inst. of Tech.
Leng, Yusong	Harbin Inst. of Tech.
17:00-17:20	ThC17.4
<i>Feedback Control for Linear Switched Systems Consisting of Controllable and Uncontrollable Subsystems with Stochastic Switch Signal and Uncertain Time Delay</i> , pp. 10481-10486.	
Zhang, Jie	Fudan Univ.
Wang, Xingxuan	Fudan Univ.
17:20-17:40	ThC17.5
<i>An Iterative Approach to Reduce the Variance of Stochastic Dynamic Systems</i> , pp. 10487-10492.	
Xia, Li	Tsinghua Univ.
17:40-18:00	ThC17.6
<i>Event-Triggered Control Over Noisy Feedback Channels</i> , pp. 10493-10498.	
Zhang, Liangyin	The Univ. of Hong Kong
Chen, Michael Z.Q.	The Univ. of Hong Kong

ThC18		2.43 - Pedro Albertos
Large Scale Optimization Problems (Regular Session)		
Chair: Prandini, Maria		Pol. di Milano
Co-Chair: Nielsen, Isak		Linköping Univ.
16:00-16:20		ThC18.1
<i>Separable Model Predictive Control Via Alternating Direction Method of Multipliers for Large-Scale Systems</i> , pp. 10499-10504.		
Lu, Liang		Linköping Univ.
16:20-16:40		ThC18.2
<i>An $O(\log N)$ Parallel Algorithm for Newton Step Computation in Model Predictive Control</i> , pp. 10505-10511.		
Nielsen, Isak		Linköping Univ.
Axehill, Daniel		Linköping Univ.
16:40-17:00		ThC18.3
<i>Diffusion Based Stopping Criterion for Distributed Optimization</i> , pp. 10512-10517.		
Ayken, Taylan		Tokyo Inst. of Tech.
Imura, Jun-ichi		Tokyo Inst. of Tech.
17:00-17:20		ThC18.4
<i>A Particle-Based Policy for the Optimal Control of Markov Decision Processes</i> , pp. 10518-10523.		
Pirotta, Matteo		Pol. di Milano
Manganini, Giorgio		Pol. di Milano
Piroddi, Luigi		Pol. di Milano
Prandini, Maria		Pol. di Milano
Restelli, Marcello		Pol. di Milano - Dipartimento di Elettronica e Informazio
17:20-17:40		ThC18.5
<i>Message Oriented Management and Analysis Tool for Naval Combat Systems</i> , pp. 10524-10528.		
Yang, Wei		School of Electronic Engineering, Kumoh National Inst. of Tec
Song, Kyoung Sub		School of Electronic Engineering, Kumoh National Inst. of Tec
Kim, Dong-Seong		School of Electronic Engineering, Kumoh National Inst. of Tec
ThC19		2.46 - Vladimir Kucera
Bridging the Gap between Academia and Industry: Successful Aerospace Collaborations (Invited Session)		
Chair: Goupil, Philippe		AIRBUS Operations S.A.S.
Co-Chair: Marcos, Andres		Univ. of Bristol
Organizer: Goupil, Philippe		AIRBUS Operations S.A.S.
Organizer: Marcos, Andres		Univ. of Bristol
16:00-16:20		ThC19.1
<i>Model-Based FDIR: From Paper to Planes (I)</i> , pp. 10529-10534.		
Marcos, Andres		Univ. of Bristol
Penin, Luis F.		DEIMOS Space, S.L.
Caramagno, Augusto		DEIMOS Engenharia
16:20-16:40		ThC19.2
<i>Optical Navigation System for Pin-Point Lunar Landing (I)</i> , pp. 10535-10542.		
Simard Bilodeau, Vincent		NGC Aerospace Ltd.
Clerc, Sebastien		Thales Alenia Space
Drai, Rémi		ESA-ESTEC
de Lafontaine, Jean		Univ. de Sherbrooke / NGC Aerospace Ltd
16:40-17:00		ThC19.3
<i>Thruster Fault Detection, Isolation and Accommodation for an Autonomous Spacecraft (I)</i> , pp. 10543-10548.		
Fonod, Robert		Univ. de Bordeaux
Henry, David		Univ. de Bordeaux
Bornschlegl, Eric		European Space Agency, ESA / ESTEC
Charbonnel, Catherine		Thales Alenia Space
17:00-17:20		ThC19.4
<i>A Method for Actuator Lock-In-Place Failure Detection in Aircraft Control Surface Servo-Loops (I)</i> , pp. 10549-10554.		
Cieslak, Jérôme		Univ. of Bordeaux

Efimov, Denis	INRIA - LNE
Zolghadri, Ali	Univ. Bordeaux I
Gheorghe, Anca	Airbus
Goupil, Philippe	AIRBUS Operations S.A.S.
Dayre, Rémy	Airbus
17:20-17:40	ThC19.5
<i>A Framework for Diagnosis of Critical Faults in Unmanned Aerial Vehicles (I)</i> , pp. 10555-10561.	
Hansen, Søren	Tech. Univ. of Denmark
Blanke, Mogens	Tech. Univ. of Denmark
Adrian, Jens	Danish Forces Joint UAV Team
17:40-18:00	ThC19.6
<i>From Theory to Flight Tests: Airbus Flight Control System TRL5 Achievements (I)</i> , pp. 10562-10567.	
Goupil, Philippe	AIRBUS Operations S.A.S.
Dayre, Rémy	Airbus
Brot, Patrice	AIRBUS Operations S.A.S.
ThC20	2.63 - Wook Hyun Kwon
Innovative Approaches in Control Education (Regular Session)	
Chair: Pasik-Duncan, Bozenna	Univ. of Kansas
Co-Chair: Rossiter, J. Anthony	Univ. of Sheffield
16:00-16:20	ThC20.1
<i>Opportunities and Good Practice in Control Education: A Survey</i> , pp. 10568-10573.	
Rossiter, J. Anthony	Univ. of Sheffield
Jones, Bryn LI.	Univ. of Sheffield
Murray, Richard M.	California Inst. of Tech.
Vlacic, Ljubo	Griffith Univ.
Dormido, Sebastián	UNED
16:20-16:40	ThC20.2
<i>An Approach for Improving Student Performance in a Feedback Systems Course for Process Control Education</i> , pp. 10574-10579.	
Jeronymo, Daniel Cavalcanti	Federal Univ. of Santa Catarina (UFSC)
Araujo, Rejane de Barros	Federal Univ. of Santa Catarina (UFSC)
Coelho, Antonio Augusto Rodrigues	Federal Univ. of Santa Catarina
Normey-Rico, Julio Elias	Federal Univ. of Santa Catarina
16:40-17:00	ThC20.3
<i>New Tools for Teaching Vibration Damping Concepts: ContLab.eu</i> , pp. 10580-10585.	
Reitinger, Jan	Univ. of West Bohemia in Pilsen
Cech, Martin	Univ. of West Bohemia in Pilsen
Schlegel, Milos	Univ. of West Bohemia in Pilsen
Balda, Pavel	Univ. of West Bohemia
17:00-17:20	ThC20.4
<i>Teaching Sensor Fusion and Kalman Filtering Using a Smartphone</i> , pp. 10586-10591.	
Hendeby, Gustaf	Linköpings Univ.
Gustafsson, Fredrik	Linköping Univ.
Wahlström, Niklas	Linköping Univ.
17:20-17:40	ThC20.5
<i>Lecture Flipping for Control Engineers</i> , pp. 10592-10597.	
Rossiter, J. Anthony	Univ. of Sheffield
17:40-18:00	ThC20.6
<i>Robotic Competitions: Teaching Robotics and Real-Time Programming with LEGO Mindstorms</i> , pp. 10598-10603.	
Grandi, Raffaele	Univ. of Bologna
Falconi, Riccardo	Univ. of Bologna
Melchiorri, Claudio	Univ. of Bologna
ThC21	2.64 - Alberto Isidori
Process Performance Monitoring and Statistical Process Control (Regular Session)	
Chair: Ding, Steven X.	Univ. of Duisburg-Essen
Co-Chair: Chen, Tongwen	Univ. of Alberta

16:00-16:20	ThC21.1
<i>Online Reduction of Chattering Alarms in Industrial Operations Due to Random Noises and Oscillations</i> , pp. 10604-10609.	
Wang, Jiandong	Peking Univ.
Chen, Tongwen	Univ. of Alberta
16:20-16:40	ThC21.2
<i>Product Quality Estimation Using Multivariate Image Analysis</i> , pp. 10610-10615.	
Loftus, John	The Univ. of Manchester
Lennox, Barry	Univ. of Manchester
Lauri Pla, David	Pfizer Inc
16:40-17:00	ThC21.3
<i>Nonstationarity and Cointegration Tests for Fault Detection of Dynamic Processes</i> , pp. 10616-10621.	
Li, Gang	Univ. of Southern California
Qin, S. Joe	Univ. of Southern California
Yuan, Tao	Univ. of southern california
17:00-17:20	ThC21.4
<i>Bode-Like Control Loop Performance Index Evaluated for a Class of Fractional-Order Processes</i> , pp. 10622-10627.	
Schlegel, Milos	Univ. of West Bohemia in Pilsen
Cech, Martin	Univ. of West Bohemia in Pilsen
Skarda, Radek	Univ. of West Bohemia
17:20-17:40	ThC21.5
<i>Comparison Study of Multivariate Statistics Based Key Performance Indicator Monitoring Approaches</i> , pp. 10628-10633.	
Zhang, Kai	Univ. of Duisburg-Essen
Hao, Haiyang	Univ. of Duisburg-Essen
Chen, Zhiwen	Inst. for Automatic Control and Complex Systems, Univ.
Ding, Steven X.	Univ. of Duisburg-Essen
Ding, E.L.	Univ. of Applied Sciences Gelsenkirchen
17:40-18:00	ThC21.6
<i>A Canonical Variate Analysis Based Process Monitoring Scheme and Benchmark Study</i> , pp. 10634-10639.	
Chen, Zhiwen	Inst. for Automatic Control and Complex Systems, Univ.
Zhang, Kai	Univ. of Duisburg-Essen
Hao, Haiyang	Univ. of Duisburg-Essen
Ding, Steven X.	Univ. of Duisburg-Essen
He, Zhangming	NUDT
Krueger, Minjia	Univ. of Duisburg Essen
ThC22 2.65 - Ian Craig	
Advanced Control in Metallurgical Processes (Regular Session)	
Chair: Kugi, Andreas	Vienna Univ. of Tech.
Co-Chair: Feliu, Vicente	Univ. of Castilla-La Mancha
16:00-16:40	ThC22.1
<i>Dynamic Control of 3D Weld Pool Surface Based on Human Response Model</i> , pp. 10640-10645.	
Liu, YuKang	Univ. of Kentucky
Zhang, Y. M.	Univ. of Kentucky
16:40-17:00	ThC22.2
<i>Control of Strip Tension in a Rolling Mill Based on Loopers and Impedance Control</i> , pp. 10646-10651.	
Steinboeck, Andreas	Vienna Univ. of Tech.
Mühlberger, Günther	Vienna Univ. of Tech.
Kugi, Andreas	Vienna Univ. of Tech.
17:00-17:20	ThC22.3
<i>Hierarchical Fuzzy Support Vector Machine (SVM) for Rail Data Classification</i> , pp. 10652-10657.	
Muscat, Raymond	The Univ. of Sheffield
Mahfouf, Mahdi	Univ. of Sheffield
Zughrat, Ali	The Univ. of Sheffield
Yang, Yong	the Univ. of sheffield
Thornton, Steve	Tata Steel Europe
Khondabi, Amir Vaseghi	The Univ. of Sheffield
Sortanos, Stylianos	The Univ. of Sheffield

17:20-17:40	ThC22.4
<i>A New Interval Type-2 Fuzzy Clustering Algorithm for Interval Type-2 Fuzzy Modelling with Application to Heat Treatment of Steel</i> , pp. 10658-10663.	
Obajemu, Olusayo	The Univ. of Sheffield
Mahfouf, Mahdi	Univ. of Sheffield
Torres Salomao, Luis Alberto	Univ. of Sheffield
17:40-18:00	ThC22.5
<i>Model Based Decision Support System for Hydrometallurgical Processing</i> , pp. 10664-10669.	
Reyes, Francisco	DICTUC S.A
Tejeda, Gabriel	DICTUC S.A.
Herrera, Miguel	Univ. Adolfo Ibañez
Romero, Fernando	Anglo American Chile
Cipriano, Aldo	Pontificia Univ. Catolica de Chile
17:40-18:00	ThC22.6
<i>A Robust Fractional Order Controller for an EAF Electrode Position System</i> , pp. 10670-10675.	
Feliu, Vicente	Univ. of Castilla-La Mancha
Rivas-Perez, Raul	Havana Pol. Univ.
Castillo Garcia, Fernando	Univ. de Castila-La Mancha
Rodriguez Martinez, Carlos Alberto	Havana Pol. Univ.
ThC23	2.66
Vehicle and Transportation Control Systems (Invited Session)	
Chair: Arsie, Ivan	Univ. of Salerno
Co-Chair: Soylemez, Mehmet Turan	Istanbul Tech. Univ.
Organizer: Wang, Junmin	Ohio State Univ.
Organizer: Arsie, Ivan	Univ. of Salerno
Organizer: Eriksson, Lars	Linköping Univ.
Organizer: Choi, Seibum	KAIST
Organizer: Guvenc, Levent	Istanbul Okan Univ.
16:00-16:20	ThC23.1
<i>Verification of Collision Avoidance Systems Using Reachability Analysis (I)</i> , pp. 10676-10681.	
Nilsson, Jonas	Volvo Car Corp.
Fredriksson, Jonas	Chalmers Univ. of Tech.
Ödblom, Anders C.E.	Volvo Car Corp.
16:20-16:40	ThC23.2
<i>An Adaptive Driver Model for Driving Cycle Prediction in the Intelligent Truck (I)</i> , pp. 10682-10687.	
Bender, Frank Alexander	Univ. of Stuttgart
Uzuner, Hakan	Univ. of Stuttgart
Sawodny, Oliver	Univ. of Stuttgart
16:40-17:00	ThC23.3
<i>Car Attitude Control by Series Mechatronic Suspension (I)</i> , pp. 10688-10693.	
Arana, Carlos	Imperial Coll. London
Evangelou, Simos	Imperial Coll.
Dini, Daniele	Imperial Coll. London
17:00-17:20	ThC23.4
<i>Collision Avoidance with Automatic Braking and Swerving (I)</i> , pp. 10694-10699.	
Ackermann, Carlo	Univ. of Tech. Darmstadt
Isermann, Rolf	Univ. of Tech. Darmstadt
Min, Suk Ki	Hyundai-Kia Motors
Kim, Chang Won	Pusan National Univ.
17:20-17:40	ThC23.5
<i>A Control Matching-Based Predictive Approach to String Stable Vehicle Platooning (I)</i> , pp. 10700-10705.	
Kianfar, Roozbeh	Chalmers Univ. of Tech.
Falcone, Paolo	Chalmers Univ. of Tech.
Fredriksson, Jonas	Chalmers Univ. of Tech.
17:40-18:00	ThC23.6
<i>Robust Real-Time Optimal Autonomous Highway Driving Control System: Development and Implementation (I)</i> , pp. 10706-10712.	

Lee, Seung-Hi
Son, Youngseop
Chung, Chung Choo

Hanyang Univ.
MANDO
Hanyang Univ.

ThC24		Francis Drake
Control Engineering in Economics and Finance (Regular Session)		
Chair: Wang, Fei-Yue		Univ. of Arizona
Co-Chair: Manzoor, Talha		Lahore Univ. of Management Sciences
16:00-16:20		ThC24.1
<i>Factor Model Based Clustering Approach for Cardinality Constrained Portfolio Selection</i> , pp. 10713-10718.		
Jiang, Kening		Deloitte & Touche Financial Advisory Services Limited, Hong Kong
Li, Duan		Chinese Univ. of Hong Kong
Gao, Jianjun		Shanghai Jiao Tong Univ.
Yu, Jeffrey		The Chinese Univ. of Hong Kong
16:20-16:40		ThC24.2
<i>Pinning Capital Stock and Gross Investment Rate in Competing Rationally Managed Firms</i> , pp. 10719-10724.		
Montenbruck, Jan Maximilian		Univ. of Stuttgart
Allgower, Frank		Univ. of Stuttgart
16:40-17:00		ThC24.3
<i>Optimal Control for Sustainable Consumption of Natural Resources</i> , pp. 10725-10730.		
Manzoor, Talha		Lahore Univ. of Management Sciences
Aseev, Sergey		Steklov Mathematical Inst.
Rovenskaya, Elena		IIASA
Muhammad, Abubakr		LUMS School of Science & Engineering, Pakistan
17:00-17:20		ThC24.4
<i>Model Predictive Control Strategy to Forecast Employability in Earth Sciences</i> , pp. 10731-10736.		
Courtial, Estelle		Univ. d'Orléans
Garrouste, Christelle Laetitia		Univ. of Orléans, CNRS, UMR 7322
ThC25		Poster area
Interactive Session on Manufacturing and Logistics (Interactive Session)		
Chair: Dolgui, Alexandre		Ec. Nationale Supérieure des Mines de Saint-Etienne
Co-Chair: Panetto, Hervé		CRAN, Univ. of Lorraine, CNRS
16:00-18:00		ThC25.1
<i>An Evolutionary Game Theory Approach to Modeling VMI Policies</i> , pp. 10737-10742.		
Torres, Fidel		Univ. de los Andes
Garcia Diaz, Cesar		Univ. de los Andes
Rakoto-Ravalontsalama, Naly		Ec. des Mines de Nantes
16:00-18:00		ThC25.2
<i>Rescheduling: External Environment-Related Real-Time Events</i> , pp. 10743-10747.		
Wang, Rui-Hua		Southeast Univ.
Fei, Shumin		Southeast Univ.
16:00-18:00		ThC25.3
<i>Stabilization of Inventory System Performance: On/Off Control</i> , pp. 10748-10753.		
Kitaeva, Anna		Tomsk Pol. Univ. Tomsk, Russia
16:00-18:00		ThC25.4
<i>A Gossip Algorithm for Home Healthcare Scheduling and Routing Problems</i> , pp. 10754-10759.		
Riazi, Sarmad		Chalmers Univ. of Tech.
Chehrazai, Payam		Chalmers Univ. of Tech.
Wigström, Oskar		Chalmers Univ. of Tech.
Bengtsson, Kristofer		Sekvensa AB
Lennartson, Bengt		Chalmers Univ. of Tech.
16:00-18:00		ThC25.5
<i>Rule Base for Operative Planning and Control of Flexible Labour Hours (I)</i> , pp. 10760-10765.		
Bauer, Wilhelm		Fraunhofer Inst. for Industrial Engineering IAO
Gerlach, Stefan		Fraunhofer IAO
Hämmerle, Moritz		Fraunhofer IAO

16:00-18:00

ThC25.6

Perturbation Analysis for Optimal Production Planning of a Manufacturing System with Influence Machine Degradation (I), pp. 10766-10771.

Turki, Sadok

Univ. de Lorraine

Hajej, Zied

Univ. de Metz

Rezg, Nidhal

Metz Univ.

ThP22

Auditorium 1

Bridging the Gap between Planning and Control: A Cascaded MPC Approach (Plenary Session)

Chair: Doyle, Frank

Univ. of California

18:15-19:15

ThP22.1

*Bridging the Gap between Planning and Control: A Cascaded MPC Approach**.

Lu, Joseph

Honeywell

Technical Program for Friday August 29, 2014

FrPP	Auditorium 1
Specification, Verification and Synthesis of Networked Control Systems (Plenary Session)	
Chair: Hara, Shinji	The Univ. of Tokyo
08:30-09:30	FrPP.1
<i>Specification, Verification and Synthesis of Networked Control Systems*</i> .	
Murray, Richard M.	California Inst. of Tech.
FrA01	Ballroom East - Harold Chestnut
Modelling and Simulation of Power Systems (Regular Session)	
Chair: Chen, Yousu	Pacific Northwest National Lab.
Co-Chair: Erlich, Istvan	Univ. of Duisburg-Essen
10:00-10:20	FrA01.1
<i>A High Performance Computing Platform for Performing High-Volume Studies with Windows-Based Power Grid Tools (I)</i> , pp. 10772-10777.	
Chen, Yousu	Pacific Northwest National Lab.
Huang, Zhenyu	Pacific Northwest National Lab.
10:20-10:40	FrA01.2
<i>Optimal Sizing and Allocation of Fixed Reactive Power Compensation</i> , pp. 10778-10783.	
Qu, Bingbing	Wuhan Univ.
Zhuan, Xiangtao	Wuhan Univ.
Cui, Xue	Wuhan Univ.
10:40-11:00	FrA01.3
<i>Bidding Strategies for Renewable Energy Generation with Non Stationary Statistics</i> , pp. 10784-10789.	
Giannitrapani, Antonio	Univ. di Siena
Paoletti, Simone	Univ. di Siena
Vicino, Antonio	Univ. di Siena
Zarrilli, Donato	Univ. di Siena
11:00-11:20	FrA01.4
<i>A Practical, Hybrid Approach to Faster-Than Real-Time Power System Analysis and Control (I)</i> , pp. 10790-10795.	
Deese, Anthony	The Coll. of New Jersey
Nwankpa, Chika O.	Drexel Univ.
Coppi, Stephen	The Coll. of New Jersey, Department of Electrical and Computer
Nugent, Tim	The Coll. of New Jersey, Department of Electrical and Computer
11:20-11:40	FrA01.5
<i>Model Separability Indices for Efficient Dynamic Simulation</i> , pp. 10796-10801.	
Papadopoulos, Alessandro Vittorio	Lund Univ.
Casella, Francesco	Pol. di Milano
Leva, Alberto	Pol. di Milano
11:40-12:00	FrA01.6
<i>Power Balancing of Internal Combustion Engines - a Time and Frequency Domain Analysis</i> , pp. 10802-10807.	
Saxén, John-Eric	Åbo Akademi Univ.
Hyvämäki, Tapani	Wärtsilä Finland
Björkqvist, Jerker	Åbo Akademi Univ.
Östman, Fredrik	Wärtsilä
Toivonen, Hannu T.	Abo Akademi Univ.
FrA02	Ballroom West - Aleksander Letov
Robust Control of Nonlinear Systems (Regular Session)	
Chair: Souley Ali, Harouna	Univ. Henri Poincaré
Co-Chair: Prandini, Maria	Pol. di Milano
10:00-10:20	FrA02.1
<i>Controllers Design for Two Interconnected Systems Via Unbiased Observers</i> , pp. 10808-10813.	
Souley Ali, Harouna	CRAN UMR 7039 CNRS
Alma, Marouane	Univ. de Lorraine, France
Darouach, Mohamed	Univ. de Lorraine

10:20-10:40	FrA02.2
<i>Robust Adaptive Backstepping Control of Second-Order Nonlinear Systems with Non-Triangular Structure Uncertainties</i> , pp. 10814-10819.	
Cai, Jianping	Zhejiang Univ. Zhejiang Univ. of Water Res. and
Wen, Changyun	Nanyang Tech. Univ.
Su, Hongye	Zhejiang Univ.
Liu, Zhitao	Zhejiang Univ.
10:40-11:00	FrA02.3
<i>Computational Approaches to Robust Model Predictive Control: A Comparative Analysis</i> , pp. 10820-10825.	
Deori, Luca	Pol. di Milano
Garatti, Simone	Pol. di Milano
Prandini, Maria	Pol. di Milano
11:00-11:20	FrA02.4
<i>Adaptive Continuous Higher Order Sliding Mode Control</i> , pp. 10826-10831.	
Edwards, Christopher	Univ. of Exeter
Shtessel, Yuri B.	Univ. of Alabama at Huntsville
11:20-11:40	FrA02.5
<i>Adaptive Output Feedback Second Order Sliding Mode Control with Unknown Bound of Perturbation</i> , pp. 10832-10837.	
Negrete, Chavez, Daniel Yitzjak	UNAM
Moreno, Jaime A.	Univ. Nacional Autonoma de Mexico-UNAM
11:40-12:00	FrA02.6
<i>Model Based Control of a Water Tank System</i> , pp. 10838-10843.	
Belikov, Juri	Inst. of Cybernetics at TUT
Petlenkov, Eduard	Tallinn Univ. of Tech.
FrA03	Auditorium 2 - Eduard Gerecke
Identification for Control (Regular Session)	
Chair: Weller, Steven	Univ. of Newcastle
Co-Chair: Hjalmarsson, Håkan	KTH
10:00-10:20	FrA03.1
<i>Adaptive Piecewise-Affine Inverse Modeling of Hybrid Dynamical Systems</i> , pp. 10844-10849.	
Elhamifar, Ehsan	Univ. of California, Berkeley
Burden, Sam	UC Berkeley
Sastry, Shankar	Univ. of California at Berkeley
10:20-10:40	FrA03.2
<i>Black-Box Modeling of Buildings Thermal Behavior Using System Identification</i> , pp. 10850-10855.	
Royer, Sullivan	Lab. PROMES (UPR 8521)
Thil, Stéphane	Lab. PROMES (UPR 8521)
Talbert, Thierry	Univ. of Perpignan Via Domitia
Polit, Monique	PROMES/CNRS
10:40-11:00	FrA03.3
<i>Enhancing H-Infinity Norm Estimation Using Local LPM/LRM Modeling: Applied to an AVIS</i> , pp. 10856-10861.	
Geerardyn, Egon	Vrije Univ. Brussel
Oomen, Tom	Eindhoven Univ. of Tech.
Schoukens, Johan	Vrije Univ. Brussel
11:00-11:20	FrA03.4
<i>A Modeling Approach for HVAC Systems Based on the LoLiMoT Algorithm</i> , pp. 10862-10868.	
Rehrl, Jakob	Alpen-Adria-Univ. Klagenfurt
Schwingshackl, Daniel	Alpen-Adria-Univ. Klagenfurt
Horn, Martin	Graz Univ. of Tech.
11:20-11:40	FrA03.5
<i>Adaptive Observers for Nonlinearly Parameterized Systems Subjected to Parametric Constraints</i> , pp. 10869-10874.	
Tyukin, Ivan	Univ. of Leicester
Rogachev, Pavel	Saint-Petersburg State Electrotechnical Univ.
Nijmeijer, Hendrik	Eindhoven Univ. of Tech.
11:40-12:00	FrA03.6
<i>Identification of Linear Climate Models from the CMIP3 Multimodel Ensemble</i> , pp. 10875-10881.	

Weller, Steven
Schulz, Brenton
Ninness, Brett

Univ. of Newcastle
Univ. of Newcastle
Univ. of Newcastle

FrA04		Roof Terrace - John Coales
Control Over Networks (Regular Session)		
Chair: Aguilera, Ricardo P.		The Univ. of New South Wales
Co-Chair: Casavola, Alessandro		Univ. Della Calabria
10:00-10:20		FrA04.1
<i>Optimal Design of Remote Controllers for LTI Plants Over Erasure Channels</i> , pp. 10882-10887.		
Silva, Eduardo I.		Univ. Tecnica Federico Santa Maria
Maass, Alejandro I.		Univ. tecnica Federico Santa Maria
Vargas, Francisco J.		Univ. Técnica Federico Santa María
10:20-10:40		FrA04.2
<i>Quadratic MPC with ℓ_0-Input Constraint</i> , pp. 10888-10893.		
Aguilera, Ricardo P.		The Univ. of New South Wales
Delgado, Ramón A.		The Univ. of Newcastle
Dolz, Daniel		Univ. Jaume I
Agüero, Juan C		The Univ. of Newcastle
10:40-11:00		FrA04.3
<i>Recovering the Controllability of Complex Networks</i> , pp. 10894-10901.		
Ding, Jin		Zhejiang Univ.
Lu, Yong-Zai		Zhejiang Univ.
Chu, Jian		Zhejiang Univ.
11:00-11:20		FrA04.4
<i>Analysis of On/Off Controllers of a Semi-Active Suspension in a CAN</i> , pp. 10902-10907.		
Ortiz-Espinoza, Alexandro		Tecnológico de Monterrey, Campus Monterrey
Cabello Ortega, Alan Mariano		Tecnológico de Monterrey, Campus Monterrey
Tudon-Martinez, Juan Carlos		Tecnológico de Monterrey, campus Monterrey
Hernandez-Alcantara, Diana		Tecnologico de Monterrey, Campus Monterrey
Morales-Menendez, Ruben		Tecnologico de Monterrey, Campus Monterrey
11:20-11:40		FrA04.5
<i>Optimal Model-Based Control with Limited Communication</i> , pp. 10908-10913.		
Garcia, Eloy		Infoscitex Corp.
Antsaklis, Panos J.		Univ. of Notre Dame
11:40-12:00		FrA04.6
<i>A Structure-Based Approach for Optimizing Distributed Reconstruction in Motion Capture Systems</i> , pp. 10914-10919.		
Masiero, Andrea		Univ. di Padova
Cenedese, Angelo		Univ. of Padova
FrA06		2.41 Pawel Nowacki
Mechatronic Systems II (Regular Session)		
Chair: Johansson, Rolf		Lund Univ.
Co-Chair: Rakotondrabe, Micky		Univ. de Franche Comté
10:00-10:20		FrA06.1
<i>Implementation of the Sliding Mode Control with Constant and Varying Sliding Surfaces to a Hydraulically-Actuated Fin Loading System</i> , pp. 10920-10925.		
Özkalın, Mehmet Uğur		TÜBİTAK SAGE
Salamci, Metin U.		Gazi Univ.
Özkan, Bülent		TUBITAK-SAGE
10:20-10:40		FrA06.2
<i>Model-Based PID Control of a Dielectric Electro-Active Polymer Positioning System</i> , pp. 10926-10933.		
Rizzello, Gianluca		Pol. di Bari
Naso, David		Pol. di Bari
York, Alexander		Saarland Univ. Multifunctional Materials Systems Lab.
Seelecke, Stefan		North Carolina State Univ.
10:40-11:00		FrA06.3

<i>On the Manipulability of Velocity-Constrained Serial Robotic Manipulators</i> , pp. 10934-10939.		Norwegian Univ. of Life Sciences
From, Pål Johan		LTH, Lund Univ.
Robertsson, Anders		Lund Univ.
Johansson, Rolf		
11:00-11:20		FrA06.4
<i>Comparison of Nonlinear Flatness-Based Control of Two Coupled Hydraulic Servo Cylinders</i> , pp. 10940-10945.		
Prabel, Robert		Univ. of Rostock
Aschemann, Harald		Univ. of Rostock
11:20-11:40		FrA06.5
<i>Control Design for a Multi Input Single Output Hydraulic Cylinder System</i> , pp. 10946-10951.		
Schwarzgruber, Thomas		Johannes Kepler Univ. Linz
Passenbrunner, Thomas Ernst		Johannes Kepler Univ. Linz
del Re, Luigi		Johannes Kepler Univ.
11:40-12:00		FrA06.6
<i>Multivariable Generalized Bouc-Wen Modeling, Identification and Feedforward Control and Its Application to Multi-DoF Piezoelectric Actuators</i> , pp. 10952-10958.		
Habineza, Didace	FEMTO-ST Inst. / AS2M department - CNRS/UFC/ENSMM/UTBM	; Uni
Rakotondrabe, Micky		Univ. de Franche Comté
Le Gorrec, Yann		FEMTO-ST, ENSMM
FrA07		2.44 - Victor Broida
Control of Glucose in the ICU (Regular Session)		
Chair: Pielmeier, Ulrike		Aalborg Univ.
Co-Chair: Desaive, Thomas		Univ. of Liege
10:00-10:20		FrA07.1
<i>Stability Analysis of Insulin-Glucose Feedback in the Glucosafe Pancreas Model of Endogenous Insulin Production (I)</i> , pp. 10959-10963.		
Rousing, Mark Lillelund		Aalborg Univ.
Pielmeier, Ulrike		Aalborg Univ.
Andreassen, Steen		Aalborg Univ.
10:20-10:40		FrA07.2
<i>Pancreatic Secretion, Hepatic Extraction, and Plasma Clearance of Insulin from Steady-State Insulin and C-Peptide Measurements in Critically Ill Patients (I)</i> , pp. 10964-10969.		
Pielmeier, Ulrike		Aalborg Univ.
Rousing, Mark Lillelund		Aalborg Univ.
Andreassen, Steen		Aalborg Univ.
10:40-11:00		FrA07.3
<i>A Pilot Study of Continuous Glucose Monitoring in Critically Ill Patients: Do They Perform Well Enough for Use in Glycaemic Control? (I)</i> , pp. 10970-10975.		
Signal, Matthew		Univ. of Canterbury
Fisk, Liam		Univ. of Canterbury
Shaw, Geoffrey M	Christchurch Hospital, Canterbury District Health Board	
Chase, J. Geoffrey		Univ. of Canterbury
11:00-11:20		FrA07.4
<i>Virtual Trials with B-Spline Basis Functions and Stochastic Differential Equations (I)</i> , pp. 10976-10981.		
Fisk, Liam		Univ. of Canterbury
Docherty, Paul D		Univ. of Canterbury
Pretty, Christopher		Univ. of Canterbury
Dickson, Jennifer Launa		Univ. of Canterbury
Shaw, Geoffrey M	Christchurch Hospital, Canterbury District Health Board	
Chase, J. Geoffrey		Univ. of Canterbury
11:20-11:40		FrA07.5
<i>Survey about Diffusion and Adoption of Glycaemic Controller in European Intensive Care Units (I)</i> , pp. 10982-10987.		
Penning, Sophie		Univ. of Liege, Liege, Belgium
Pironet, Antoine		Univ. of Liege
Chase, J. Geoffrey		Univ. of Canterbury
Pretty, Christopher		Univ. of Canterbury
Desaive, Thomas		Univ. of Liege

11:40-12:00	FrA07.6
<i>A Control-Relevant Model of Subcutaneous Insulin Absorption (I)</i> , pp. 10988-10993.	
Vilkhovoy, Michael	Univ. of Massachusetts
Pritchard-Bell, Ari	Univ. of Pittsburgh
Clermont, Gilles	Univ. of Pittsburgh
Parker, Robert S.	Univ. of Pittsburgh

FrA08	2.61 - John Lozier
Systems with Time Delays II (Regular Session)	
Chair: Egorov, Alexey	Saint-Petersburg State Univ.
Co-Chair: Gao, Furong	Hong Kong Univ. of Sci & Tech.

10:00-10:20	FrA08.1
<i>Delay-Range-Dependent Robust BIBO Stabilization of 2D Discrete Delayed Systems Via LMI Approach</i> , pp. 10994-10999.	
Wang, Limin	Liaoning Shihua Univ.
Chen, Xi	Zhejiang Univ.
Gao, Furong	Hong Kong Univ. of Sci & Tech.

10:20-10:40	FrA08.2
<i>Stabilization of Time-Delay Nonlinear Discrete-Time Systems with Saturating Actuators through T-S Models</i> , pp. 11000-11005.	
Silva, Luis	PPGEAS / DAS / UFSC
Leite, Valter J. S.	CEFET/MG - Campus Div.
Castelan, Eugenio B.	Univ. Federal de Santa Catarina
Feng, Gang	City Univ. of Hong Kong

10:40-11:00	FrA08.3
<i>Estimation of Basins of Attraction for Controlled Systems with Input Saturation and Time-Delays</i> , pp. 11006-11011.	
Biemond, J. J. Benjamin	KU Leuven
Michiels, Wim	KU Leuven

11:00-11:20	FrA08.4
<i>On Bounds of Input-Output Systems. Reachability Set Determination and Polyhedral Constraints Verification</i> , pp. 11012-11017.	
Moussaoui, Charifa	Inst. de Recherche en Communications et Cybernétique de Nantes
Loiseau, Jean Jacques	Inst. de Recherche en Communication et en Cybernétique de Nantes
Abbou, Rosa	IRRCyN - Univ. IUT de Nantes

11:20-11:40	FrA08.5
<i>A New Necessary and Sufficient Stability Condition for Linear Time-Delay Systems</i> , pp. 11018-11023.	
Egorov, Alexey	Saint-Petersburg State Univ.

FrA09	1.41 - Uolevi Luoto
Unmanned Aerial Vehicles II (Regular Session)	
Chair: Nyandoro, Otis Tichatonga	Univ. of the Witwatersrand
Co-Chair: Hamel, Tarek	Univ. de Nice Sophia Antipolis

10:00-10:20	FrA09.1
<i>Modeling and Control of Rotor-Flying Multi-Joint Manipulator</i> , pp. 11024-11029.	
Yang, Bin	Univ. of Chinese Acad. of Sciences
He, Yu-qing	Shenyang Inst. of Automation, Chinese Acad. of Sciences
Han, Jianda	Shenyang Inst. of Automation
Liu, Guangjun	Ryerson Univ.

10:20-10:40	FrA09.2
<i>Energy Based Set Point Modulation for Obstacle Avoidance in Haptic Teleoperation of Aerial Robots</i> , pp. 11030-11035.	
Hou, Xiaolei	ANU
Yu, Changbin (Brad)	Australian National Univ.
Liang, Feng	shandong computer science center
Lin, Zhiyun	Zhejiang Univ.

10:40-11:00	FrA09.3
<i>Technical Activities Execution with a TiltRotor UAS Employing Explicit Model Predictive Control</i> , pp. 11036-11042.	
Papachristos, Christos	Univ. of Patras
Alexis, Kostas	ETH Zurich
Tzes, Anthony	Univ. of Patras

11:00-11:20	FrA09.4
<i>Adaptive Sliding Backstepping Control of Quadrotor UAV Attitude</i> , pp. 11043-11048.	
Chingozha, Tinashe	Univ. of the Witwatersrand, Johannesburg
Nyandoro, Otis Tichatonga	Univ. of the Witwatersrand, Johannesburg
11:20-11:40	FrA09.5
<i>Adaptive Control for UAVs Equipped with a Robotic Arm</i> , pp. 11049-11054.	
Caccavale, Fabrizio	Univ. degli Studi della Basilicata
Giglio, Gerardo	Univ. degli Studi della Basilicata
Muscio, Giuseppe	Univ. degli Studi della Basilicata
Pierri, Francesco	Univ. degli Studi della Basilicata
11:40-12:00	FrA09.6
<i>A Nonlinear Control Law for Hover to Level Flight for the Quad Tilt-Rotor UAV</i> , pp. 11055-11059.	
Flores, Gerardo	Univ. of Tech. of Compiègne
Lozano, Rogelio	Univ. de Tech. de Compiègne
FrA10	1.42 - Yoshikazu Sawaragi
Online Optimization and Predictive Control of Uncertain Processes (Invited Session)	
Chair: Lucia, Sergio	Tech. Univ. Dortmund
Co-Chair: Koegel, Markus J.	Otto-von-Guericke-Univ. Magdeburg
Organizer: Lucia, Sergio	Tech. Univ. Dortmund
Organizer: Koegel, Markus J.	Otto-von-Guericke-Univ. Magdeburg
10:00-10:20	FrA10.1
<i>Approximate Predictive Control of Polytopic Systems (I)</i> , pp. 11060-11066.	
Brunner, Florian David	Univ. of Stuttgart
Allgower, Frank	Univ. of Stuttgart
10:20-10:40	FrA10.2
<i>One-Layer Robust MPC: A Multi-Model Approach (I)</i> , pp. 11067-11072.	
Ferramosca, Antonio	CONICET - Univ. Nacional del Litoral (UNL)
Gonzalez, Alejandro, Hernan	Inst. of Tech. Development for the Chemical Industry
Limon, Daniel	Univ. de Sevilla
Odloak, Darci	Univ. of São Paulo - Brazil
10:40-11:00	FrA10.3
<i>Robust Nonlinear Model Predictive Control with Constraint Satisfaction: A Relaxation-Based Approach (I)</i> , pp. 11073-11079.	
Streif, Stefan	Otto-von-Guericke-Univ. Magdeburg
Koegel, Markus J.	Otto-von-Guericke-Univ. Magdeburg
Bäthge, Tobias	Otto-von-Guericke Univ. Magdeburg
Findeisen, Rolf	Otto-von-Guericke-Univ. Magdeburg
11:00-11:20	FrA10.4
<i>Modifier Adaptation for Constrained Closed-Loop Systems (I)</i> , pp. 11080-11086.	
Costello, Sean	EPFL
Francois, Gregory	Ec. Pol. Federale de Lausanne
Bonvin, Dominique	EPFL
Marchetti, Alejandro	CIFASIS-CONICET
11:20-11:40	FrA10.5
<i>Quadrature-Based Scenario Tree Generation for Nonlinear Model Predictive Control (I)</i> , pp. 11087-11092.	
Leidreiter, Conrad	Heidelberg Univ.
Potschka, Andreas	Heidelberg Univ.
Bock, Hans Georg	Univ. of Heidelberg
11:40-12:00	FrA10.6
<i>Efficient Robust Economic Nonlinear Model Predictive Control of an Industrial Batch Reactor (I)</i> , pp. 11093-11098.	
Lucia, Sergio	Tech. Univ. Dortmund
Andersson, Joel Arvid Emanuel	Katholieke Univ. Leuven
Brandt, Heiko	TU Dortmund
Bouaswaig, Ala Eldin	Tech. Univ. Dortmund
Diehl, Moritz	K.U. Leuven
Engell, Sebastian	TU Dortmund

FrA11	1.43 - Tibor Vamos
Switching Stability and Control (Regular Session)	
Chair: Duviella, Eric	Ec. des Mines de Douai
Co-Chair: Cieslak, Jérôme	Univ. of Bordeaux
10:00-10:20	FrA11.1
<i>A New Approach for the H2 Control of Markov Jump Linear Systems with Partial Information</i> , pp. 11099-11104.	
Costa, Oswaldo Luiz V.	Univ. of Sao Paulo
Fragoso, Marcelo	LNCC / MCT
Todorov, Marcos G.	National Lab. for Scientific Computing
10:20-10:40	FrA11.2
<i>Large-Scale System Control Based on Decentralized Design. Application to Cuinchy Fontinette Reach</i> , pp. 11105-11110.	
Rajaoarisoa, Lala	Inst. Mines Télécom. Mines de Douai.
Horvath, Klaudia	Inst. Mines Telecom, Mines de Douai
Duviella, Eric	Ec. des Mines de Douai
Chuquet, Karine	VNF
10:40-11:00	FrA11.3
<i>Joint Design of PI Controller and Scheduler for Embedded Control Systems</i> , pp. 11111-11116.	
Reimann, Sven	Univ. of Kaiserslautern
Wu, Wei	Control Systems Res. Group, Univ. of Kaiserslautern, Ge
Liu, Steven	Univ. of Kaiserslautern
11:00-11:20	FrA11.4
<i>Enhanced Distinguishability in Supervisory Fault Tolerant Control</i> , pp. 11117-11122.	
Cieslak, Jérôme	Univ. of Bordeaux
Henry, David	Univ. de Bordeaux
Efimov, Denis	INRIA - LNE
Zolghadri, Ali	Univ. Bordeaux I
11:20-11:40	FrA11.5
<i>Finite-Time Stabilization for Markov Jump Systems Governed by Deterministic Switches</i> , pp. 11123-11128.	
Zhao, Changzhong	Jiangnan Univ.
Luan, Xiaoli	Jiangnan Univ.
Liu, Fei	Jiangnan Univ.
FrA12	
1.44 - Manfred Thoma	
Model Predictive Control II (Regular Session)	
Chair: Soltani, Mohsen	Aalborg Univ.
Co-Chair: Vrettos, Evangelos	Power Systems Lab. ETH Zurich
10:00-10:20	FrA12.1
<i>Offset-Free Model Predictive Control for Output Voltage Regulation of Three-Phase Inverter for Uninterruptible Power Supply Applications</i> , pp. 11129-11134.	
Kim, Seok-Kyoon	SeoulTech.
Lee, Young Il	Seoul National Univ. of Science and Tech.
10:20-10:40	FrA12.2
<i>Model Predictive Control for Energy Dispatch of a Photovoltaic-Diesel-Battery Hybrid Power System</i> , pp. 11135-11140.	
Zhu, Bing	Univ. of Pretoria
Tazvinga, Henerica	Univ. of Pretoria
Xia, Xiaohua	Univ. of Pretoria
10:40-11:00	FrA12.3
<i>Distributed MPC for Frequency Regulation in Multi-Terminal HVDC Grids (I)</i> , pp. 11141-11146.	
Mc Namara, Paul	NUI Maynooth
Meere, Ronan	Univ. Coll. Dublin
O'Donnell, Terence	Univ. Coll. Dublin
Mcloone, Sean	NUI Maynooth
11:00-11:20	FrA12.4
<i>MPC for Power Systems Dispatch Based on Stochastic Optimization</i> , pp. 11147-11152.	
Necoara, Ion	Univ. Pol. Bucharest
Clipici, Dragos Nicolae	Univ. Pol. Bucharest
Patrinos, Panagiotis	IMT Inst. for Advanced Studies Lucca

Bemporad, Alberto	IMT Inst. for Advanced Studies Lucca
11:20-11:40	FrA12.5
<i>Model Predictive Control for Market-Based Demand Response Participation</i> , pp. 11153-11158.	
Qureshi, Faran Ahmed	EPFL
Gorecki, Tomasz Tadeusz	EPFL
Jones, Colin, N	Ec. Pol. Federale de Lausanne (EPFL)
11:40-12:00	FrA12.6
<i>Model Predictive Control of Buoy Type Wave Energy Converter</i> , pp. 11159-11164.	
Soltani, Mohsen	Aalborg Univ.
Sichani, Mahdi T.	Aalborg Univ.
Mirzaei, Mahmood	Tech. Univ. of Denmark
FrA13	1.61 - Boris Tamm
Passivity-Based Control (Regular Session)	
Chair: Fradkov, Alexander L.	Russian Acad. of Sciences
Co-Chair: Ibuki, Tatsuya	Tokyo Inst. of Tech.
10:00-10:20	FrA13.1
<i>Accuracy of Fridman's Estimates for Sampling Interval: A Nonlinear System Case Study</i> , pp. 11165-11170.	
Usik, Egor	Saint-Petersburg State Univ.
Seifullaev, Ruslan	Saint-Petersburg State Univ.
Fradkov, Alexander L.	Russian Acad. of Sciences
Bryntseva, Tatiana	Saint-Petersburg State Univ.
10:20-10:40	FrA13.2
<i>Frame Rate-Based Discrete Visual Feedback Pose Regulation: A Passivity Approach</i> , pp. 11171-11176.	
Ibuki, Tatsuya	Tokyo Inst. of Tech.
Walter, Johannes Raphael	Univ. of Stuttgart
Hatanaka, Takeshi	Tokyo Inst. of Tech.
Fujita, Masayuki	Tokyo Inst. of Tech.
10:40-11:00	FrA13.3
<i>Passivity Analysis and Passivation of Interconnected Event-Triggered Feedback Systems Using Passivity Indices</i> , pp. 11177-11182.	
Zhu, Feng	Univ. of Notre Dame
Xia, Meng	Univ. of Notre Dame
Antsaklis, Panos J.	Univ. of Notre Dame
11:00-11:20	FrA13.4
<i>Passive Control for Bilinear Stochastic Systems with Bounded Control</i> , pp. 11183-11188.	
Chen, Yun	Hangzhou Dianzi Univ.
Xue, Anke	Hangzhou Dianzi Univ.
Lu, Renquan	Hangzhou Dianzi Univ.
Zhou, ShaoSheng	Hangzhou Dianzi Univ.
Zou, Hongbo	Zhejiang Univ.
11:20-11:40	FrA13.5
<i>Overcoming the Dissipation Condition in Passivity-Based Control for a Class of Mechanical Systems</i> , pp. 11189-11194.	
Delgado Londoño, Sergio	Tech. Univ. München
Kotyczka, Paul	Tech. Univ. München
11:40-12:00	FrA13.6
<i>Design and Experimental Validation of a Hybrid Optimal Control for DC-DC Power Converters</i> , pp. 11195-11200.	
Meghnous, Ahmed-Rédha	INSA de Lyon
Pham, Minh Tu	INSA de Lyon
Lin-Shi, Xuefang	INSA de Lyon
Patino, Diego	Pontificia Universidad Javeriana
FrA14	1.62 - Brian Anderson
Suspension Control (Regular Session)	
Chair: Basset, Michel	Univ. de Haute-Alsace
Co-Chair: Pedro, Jimoh Olarewaju	Univ. of the Witwatersrand
10:00-10:20	FrA14.1
<i>Set-Based Analysis of the Variable-Geometry Suspension System</i> , pp. 11201-11206.	

Németh, Balázs Gaspar, Peter	MTA SZTAKI Hungarian Acad. of Sciences
10:20-10:40	FrA14.2
<i>Modelling Vehicle Body Structures for Active Buckling Control</i> , pp. 11207-11212.	
Trollope, James Edward Burnham, Keith J.	Coventry Univ. Coventry Univ.
10:40-11:00	FrA14.3
<i>A Novel Robust Optimal Active Control of Vehicle Suspension Systems</i> , pp. 11213-11218.	
Fallah, M. Saber Sorniotti, Aldo	Unkiversity of Surrey Univ. of Surrey
11:00-11:20	FrA14.4
<i>Dual-Mode Control Allocation for Integrated Chassis Stabilization</i> , pp. 11219-11224.	
Attia, Rachid Orjuela, Rodolfo Basset, Michel	Univ. de Haute-Alsace MIPS-UHA Univ. de Haute-Alsace
11:20-11:40	FrA14.5
<i>Semi-Active Suspension with Semi-Active Inerter and Semi-Active Damper</i> , pp. 11225-11230.	
Chen, Michael Z.Q. Hu, Yinlong Li, Chanying Chen, Guanrong	The Univ. of Hong Kong Nanjing Univ. of Science and Tech. Chines Acad. of Sciences City Univ. of Hong Kong
11:40-12:00	FrA14.6
<i>Nonlinear State Estimation in Suspension Control Based on Takagi-Sugeno Model</i> , pp. 11231-11237.	
Pletschen, Nils Badur, Patrick	Tech. Univ. München Tech. Univ. München
FrA15	1.63 - Stephen Kahne
Data Acquisition and Processing: Bad Data and Cyber-Security in Smart Grids (Invited Session)	
Chair: Vale, Zita Co-Chair: Mahmud, Md. Apel Organizer: Vale, Zita	Pol. Inst. of Porto Swinburne Univ. of Tech. Pol. Inst. of Porto
10:00-10:20	FrA15.1
<i>Cyber-Physical System Security and Impact Analysis (I)</i> , pp. 11238-11243.	
Stefanov, Alexandru Liu, Chen-Ching	Univ. Coll. Dublin Univ. Coll. DUBLIN, IRELAND
10:20-10:40	FrA15.2
<i>A Communication and Resources Management Scheme to Support the Smart Grid Integration of Multiplayers Access to Resources Information (I)</i> , pp. 11244-11249.	
Vale, Zita Morais, Hugo Faria, Pedro Ramos, Carlos	Pol. Inst. of Porto Tech. Univ. of Denmark (DTU) Pol. Inst. of Porto Pol. Inst. of Porto
10:40-11:00	FrA15.3
<i>Communication and Control Protocols for Load Networks in the Smart Grid (I)</i> , pp. 11250-11256.	
Zhang, Bowen Baillieul, John	Boston Univ. Boston Univ.
11:00-11:20	FrA15.4
<i>Power-Consumption Analysis through Web-Based Visual Data Exploration</i> , pp. 11257-11262.	
Pérez, Daniel Diaz Blanco, Ignacio Cuadrado, Abel A. Garcia-Fernandez, Francisco J. Diez Gonzalez, Alberto Benjamin Domínguez, Manuel	Univ. of Oviedo Univ. of Oviedo Univ. de Oviedo Univ. of Oviedo Univ. de Oviedo Univ.
11:20-11:40	FrA15.5
<i>Exploration of Functional Vulnerability of the Electricity Grid (I)</i> , pp. 11263-11268.	
Nasiruzzaman, A. B. M.	The Univ. of New South Wales

Pota, Hemanshu	Univ. of New South Wales
Akter, Most. Nahida	Swinburne Univ. of Tech.
Mahmud, Md. Apel	Swinburne Univ. of Tech.

11:40-12:00 FrA15.6

Computational Approaches for Bad Data Handling in Power System Synchrophasor Networks (I), pp. 11269-11274.

Venayagamoorthy, Ganesh Clemson Univ.

FrA16 1.64 - Yong-Zai Lu
Tuning and Disturbance Rejection (Regular Session)

Chair: Campi, Marco Univ. of Brescia
 Co-Chair: Trimpe, Sebastian Max-Planck-Inst. for Intelligent Systems

10:00-10:20 FrA16.1

Virtual Reference Feedback Tuning for Industrial PID Controllers, pp. 11275-11280.

Formentin, Simone Univ. degli studi di Bergamo
 Campi, Marco Univ. of Brescia
 Savaresi, Sergio Pol. di Milano

10:20-10:40 FrA16.2

A Self-Tuning LQR Approach Demonstrated on an Inverted Pendulum, pp. 11281-11287.

Trimpe, Sebastian Max-Planck-Inst. for Intelligent Systems
 Millane, Alexander James ETH Zuerich
 Doessegger, Simon ETH Zurich
 D'Andrea, Raffaello ETH Zurich

10:40-11:00 FrA16.3

Towards a New Generation of Relay Autotuners, pp. 11288-11293.

Berner, Josefin Lund Univ.
 Astrom, Karl J. Lund Univ.
 Hagglund, Tore Lund Univ.

11:00-11:20 FrA16.4

Adaptive Controller for Linear Plant with Parametric Uncertainties, Input Delay and Unknown Disturbance, pp. 11294-11298.

Pyrkin, Anton ITMO Univ.
 Bobtsov, Alexey ITMO Univ.
 Aranovskiy, Stanislav Saint-Petersburg State Univ. of Information Technologies Mech
 Kolyubin, Sergey St. Petersburg NRU ITMO
 Gromov, Vladislav ITMO Univ.

11:20-11:40 FrA16.5

Adaptive Fault-Tolerant Control for Time-Delay Nonlinear Systems with Stochastic Actuator Failures, pp. 11299-11304.

Liu, Bing Huazhong Univ. of Science & Tech.
 Fan, Huijin Huazhong Univ. of Science and Tech.

11:40-12:00 FrA16.6

Robust Control with Disturbance Estimation Using Echo State Networks for the Twin Rotor Aero-Dynamical System Application, pp. 11305-11310.

Czajkowski, Andrzej Univ. of Zielona Góra

FrA17 Marco Polo
Traffic Control (Regular Session)

Chair: Kulcsar, Balazs Chalmers Univ. of Tech.
 Co-Chair: Papamichail, Ioannis Tech. Univ. of Crete

10:00-10:20 FrA17.1

A Novel MPC with Chance Constraints for Signal Splits Control in Urban Traffic Network, pp. 11311-11317.

Zhou, Xuanhao Zhejiang Univ.
 Ye, Bao-Lin Inst. of Cyber-Systems and Control, Zhjiang Univ.
 Lu, Yong-Zai Zhejiang Univ.
 Xiong, Ru National Lab. of Industrial and Tech. Inst. of C

10:20-10:40 FrA17.2

The Effect of Inaccurate Traffic Data for Ramp Metering: Comparing Loop Detectors and Cameras Using Information Utility, pp. 11318-11325.

Klunder, Gerdien Delft Univ. of Tech. and TNO

Taale, Henk	Delft Univ. of Tech.
Kester, Leon	TNO
Hoogendoorn, Serge P.	Delft Univ. of Tech. Faculty of Civil Engineering and
10:40-11:00	FrA17.3
<i>Genetic Algorithm-Based Traffic Lights Timing Optimization and Routes Definition Using Petri Net Model of Urban Traffic Flow</i> , pp. 11326-11331.	
Dezani, Henrique	School of Tech. of Sao Jose do Rio Preto (FATEC)
Marranghello, Norian	Sao Paulo State Univ. (UNESP)
Damiani, Furio	Univ. of Campinas (UNICAMP)
11:00-11:20	FrA17.4
<i>Back-Pressure Traffic Signal Control with Unknown Routing Rates</i> , pp. 11332-11337.	
Gregoire, Jean	Mines ParisTech
Frazzoli, Emilio	Massachusetts Inst. of Tech.
de La Fortelle, Arnaud	Mines ParisTech
Wongpiromsarn, Tichakorn	Thailand Center of Excellence for Life Sciences
11:20-11:40	FrA17.5
<i>Incident Parameter Scheduled Freeway Traffic Control - a Ramp Meter Approach</i> , pp. 11338-11343.	
Dabiri, Azita	Chalmers Univ. of Tech.
Kulcsar, Balazs	Chalmers Univ. of Tech.
11:40-12:00	FrA17.6
<i>A Feedback-Based Approach for Mainstream Traffic Flow Control of Multiple Bottlenecks on Motorways</i> , pp. 11344-11349.	
Iordanidou, Georgia-Roumpini	Tech. Univ. of Crete
Papamichail, Ioannis	Tech. Univ. of Crete
Roncoli, Claudio	Tech. Univ. of Crete
Papageorgiou, Markos	Tech. Univ. of Crete
FrA18	2.43 - Pedro Albertos
Optimal Control of Distributed Systems (Regular Session)	
Chair: Cristofaro, Andrea	Univ. of Camerino
Co-Chair: Guo, Bao-Zhu	The Chinese Acad. of Sciences
10:00-10:20	FrA18.1
<i>Optimal LED-Based Illumination Control Via Distributed Convex Optimization</i> , pp. 11350-11356.	
Aslam, Farooq	Eindhoven Univ. of Tech.
Hermans, Ralph	Eindhoven Univ. of Tech.
Pandharipande, Ashish	Philips Res.
Lazar, Mircea	Eindhoven Univ. of Tech.
10:20-10:40	FrA18.2
<i>Suboptimal Feedback Control of Nonlinear Distributed Parameter Systems by Stable Manifold Method</i> , pp. 11357-11362.	
Hamaguchi, Kenichi	Kyoto Univ.
Nishida, Gou	Kyoto Univ.
Sakamoto, Noboru	Nagoya Univ.
10:40-11:00	FrA18.3
<i>Stabilization of Multi-Dimensional Wave Equation with Boundary Control Matched Disturbance</i> , pp. 11363-11368.	
Guo, Bao-Zhu	The Chinese Acad. of Sciences
Zhou, Hua-Cheng	Acad. of Mathematics and Systems Science, Acad. Sinica
Yao, Cui-Zhen	Beijing Inst. of Tech.
11:00-11:20	FrA18.4
<i>Controllability of the Space Semi-Discrete Approximation for the Beam Equation</i> , pp. 11369-11374.	
Bugariu, Ioan Florin	Univ. of Craiova
Cindea, Nicolae	Univ. Blaise Pascal Clermont-Ferrand
Micu, Sorin	Univ. of Craiova
Roventa, Ionel	Univ. of Craiova
11:20-11:40	FrA18.5
<i>Robust Tracking Control for a Class of Perturbed and Uncertain Reaction-Diffusion Equations</i> , pp. 11375-11380.	
Cristofaro, Andrea	Univ. of Camerino
11:40-12:00	FrA18.6
<i>Connections between Optimal Control Problems and Generalized Solutions of PDEs of the First Order</i> , pp. 11381-11384.	

FrA19		2.46 - Vladimir Kucera
Feedback Stabilization of Distributed-Parameter Systems (Regular Session)		
Chair: Di Meglio, Florent		MINES ParisTech
Co-Chair: Bresch-Pietri, Delphine		MIT
10:00-10:20		FrA19.1
<i>Active Disturbance Rejection Control for a 2×2 Hyperbolic System with an Input Disturbance</i> , pp. 11385-11390.		
Tang, Shuxia		Univ. of California, San Diego
Guo, Bao-Zhu		The Chinese Acad. of Sciences
Krstic, Miroslav		Univ. of California at San Diego
10:20-10:40		FrA19.2
<i>An Adaptive Observer for Hyperbolic Systems with Application to UnderBalanced Drilling</i> , pp. 11391-11397.		
Di Meglio, Florent		MINES ParisTech
Bresch-Pietri, Delphine		Gipsa-Lab.
Aarsnes, Ulf Jakob Flø		Norwegian Univ. of Science and Tech.
10:40-11:00		FrA19.3
<i>IDA-PBC Control for the Coupled Plasma Poloidal Magnetic Flux and Heat Radial Diffusion Equations in Tokamaks</i> , pp. 11398-11403.		
Vu, Trang		LCIS Lab.
Lefevre, Laurent		Grenoble INP
Nouailletas, Rémy		CEA/IRFM
Bremond, Sylvain		CEA Cadarache
Felici, Federico		Tech. Univ. Eindhoven
11:00-11:20		FrA19.4
<i>Port Hamiltonian System in Descriptor Form for Balanced Reduction: Application to a Nanotweezer</i> , pp. 11404-11409.		
Wu, Yongxin		Univ. Claude Bernard Lyon 1
Hamroun, Boussad		Lab. d'Automatique et Génie des Procédés
Le Gorrec, Yann		FEMTO-ST, ENSMM
Maschke, Bernhard		Univ. Claude Bernard of Lyon
11:20-11:40		FrA19.5
<i>Prediction-Based Control for Linear Systems with Input and State-Delay -- Robustness to Delay Mismatch</i> , pp. 11410-11418.		
Bresch-Pietri, Delphine		Gipsa-Lab.
Petit, Nicolas		MINES ParisTech
FrA20		2.64 - Alberto Isidori
Engineering Ethics, Power, Development and Minority and Majority World Countries (Invited Session)		
Chair: Kopacek, Peter		Vienna Univ. of Tech.
Co-Chair: FitzGibbon, Mike		UCC
Organizer: Hersh, Marion A.		Univ. of Glasgow
10:00-10:40		FrA20.1
<i>Don't Waste a Good Disaster: A Systems Approach to an Ethics of International Institutional Failures (I)</i> , pp. 11419-11424.		
Stapleton, Larry		Waterford Inst. of Tech.
Kopacek, Peter		Vienna Univ. of Tech.
Hajrizi, Edmond		Univ. for Business and Tech.
10:40-11:00		FrA20.2
<i>Ethical and Social Aspects of Robots (I)</i> , pp. 11425-11430.		
Kopacek, Peter		Vienna Univ. of Tech.
11:00-11:20		FrA20.3
<i>How Can Science Produce Unequal Relationships: The Nanotechnology Metaphor (I)</i> , pp. 11431-11436.		
Stapleton, Amy		Univ. Lille III
Cintora, Antonio		Univ. National Autonomous of Mexico
De Anda, Claudia		MITRA
FitzGibbon, Mike		UCC
11:20-11:40		FrA20.4
<i>A Comparative Analysis of Traditional and Digital Data Collection Methods in Social Research in LDCs - Case Studies Exploring Implications for Participation, Empowerment, and (mis)Understandings (I)</i> , pp. 11437-11443.		

FitzGibbon, Mike	UCC
Fitzgerald, Gretta	UCC
11:40-12:00	FrA20.5
<i>Optimal Management Network Topology in a CIMM System the General Case (I)</i> , pp. 11444-11449.	
Lewoc, Jozef Bohdan	BPBiT Leader LLC, Jozef Bohdan Lewoc Sole MBR
Izworski, Antoni	Wroclaw Univ. of Tech.
Chomiak-Orsa, Iwona	Wroclaw Univ. of Ec.
Kieleczawa, Antonina	Inst. of Power System Automation
Hersh, Marion A.	Univ. of Glasgow
Kopacek, Peter	Vienna Univ. of Tech.
Stapleton, Larry	Waterford Inst. of Tech.
FrA21	2.63 - Wook Hyun Kwon
Condition Monitoring (Regular Session)	
Chair: Aldrich, Chris	Curtin Univ.
Co-Chair: Kinnaert, Michel	Univ. Libre de Bruxelles
10:00-10:20	FrA21.1
<i>Optimizing Safety Supervisors for Wind Turbines Using Barrier Certificates</i> , pp. 11450-11457.	
Laurijsse, Marcel	Eindhoven Univ. of Tech.
Wisniewski, Rafal	Aalborg Univ.
Weiland, Siep	Eindhoven Univ. of Tech.
10:20-10:40	FrA21.2
<i>Distributed Sensor Fault Detection and Isolation Over Network</i> , pp. 11458-11463.	
Kinnaert, Michel	Univ. Libre de Bruxelles
Hao, Jingjing	Univ. libre de Bruxelles
10:40-11:00	FrA21.3
<i>The Application of Classification Methods to the Gross Error Detection Problem</i> , pp. 11464-11469.	
Gerber, Egardt Frans	Stellenbosch Univ.
Auret, Lidia	Stellenbosch Univ.
Aldrich, Chris	Curtin Univ.
11:00-11:20	FrA21.4
<i>A Data-Driven Maintenance Support System for Wind Energy Conversion Systems</i> , pp. 11470-11475.	
Krueger, Minjia	Univ. of Duisburg Essen
Haghani Abandan Sari, Adel	Univ. of Rostock
Ding, Steven X.	Univ. of Duisburg-Essen
Jeinsch, Torsten	Univ. of Rostock
Engel, Peter	PC-Soft GmbH
11:20-11:40	FrA21.5
<i>Simulation of a Condition Monitoring Scheme for a Neutral Beam Injector Cryogenic Pump</i> , pp. 11476-11481.	
Wright, Nick	Loughborough Univ.
Dixon, Roger	Loughborough Univ.
Ward, Christopher Patrick	Loughborough Univ.
11:40-12:00	FrA21.6
<i>Diagnosis of PEM Fuel Cell Stack Based on Magnetic Fields Measurements</i> , pp. 11482-11487.	
Hamaz, Tahar	GIPSA-Lab. Automatic control department
Cadet, Catherine	GIPSA-Lab. Automatic department
Druart, Florence	Univ. of Grenoble
Cauffet, Gilles	G2ELAB
FrA22	2.65 - Ian Craig
Control Applications in Mining Minerals and Metal Processing (Regular Session)	
Chair: Bergh, Luis	Santa Maria Univ.
Co-Chair: Sorsa, Aki	Univ. of Oulu
10:00-10:20	FrA22.1
<i>Engineers Training in Automation of Flotation Processes</i> , pp. 11488-11493.	
Bergh, Luis	Santa Maria Univ.
Yianatos, Juan	Santa Maria Univ.

10:20-10:40	FrA22.2
<i>Repetitive Model Predictive Controller to Reject Periodic Disturbances (I)</i> , pp. 11494-11499.	
Miranda Cruz, Daniel	UFSC - Univ. Federal de Santa Catarina
Normey-Rico, Julio Elias	Federal Univ. of Santa Catarina
Costa-Castelló, Ramon	Univ. Pol. de Catalunya (UPC)
10:40-11:00	FrA22.3
<i>Model-Plant Mismatch Expression for Classically Controlled Systems</i> , pp. 11500-11505.	
Olivier, Laurentz Eugene	Univ. of Pretoria
Craig, Ian	Univ. of Pretoria
11:00-11:20	FrA22.4
<i>Pilot Plant Simulation As a Tool for More Efficient Mineral Processing</i> , pp. 11506-11511.	
Seppälä, Pirjo	Univ. of Oulu
Sorsa, Aki	Univ. of Oulu
Paavola, Marko Kalevi	Univ. of Oulu
Remes, Antti	Outotec (Finland) Oy
Ruuska, Jari	Univ. of Oulu
Leiviska, Kauko	Univ. of Oulu/
11:20-11:40	FrA22.5
<i>Hybrid Model Predictive Control for Grinding Plants</i> , pp. 11512-11517.	
Estrada Samayoa, Fernando José	Pontificia Univ. Católica de Chile
Cipriano, Aldo	Pontificia Univ. Católica de Chile
FrA23	2.66
Evolutionary Modelling of Cancer: Stochastic Dynamics and Self-Organization in Progress of the Disease (Invited Session)	
Chair: Swierniak, Andrzej	Silesian Tech. Univ.
Co-Chair: Kimmel, Marek	Rice Univ. Houston, Texas and Silesian Univ. of Tech. Gliwice, PL
Organizer: Swierniak, Andrzej	Silesian Tech. Univ.
Organizer: Kimmel, Marek	Rice Univ. Houston, Texas and Silesian Univ. of Tech. Gliwice, P
10:00-10:20	FrA23.1
<i>Crosstalk between Stress-Induced NF-κ B, P53 and HSF1 Signaling Pathways - Review (I)</i> , pp. 11518-11523.	
Widlak, Piotr	Center of Oncology - Maria Skłodowska-Curie Memorial Inst.
Gramatyka, Michalina	Foundation of Cardiac Surgery Development
Kimmel, Marek	Rice Univ. Houston, Texas and Silesian Univ. of Tech.
10:20-10:40	FrA23.2
<i>Controlling the Intracellular Processes (I)</i> , pp. 11524-11529.	
Puszynski, Krzysztof	Silesian Univ. of Tech.
Jaksik, Roman	Silesian Univ. of Tech.
Lalik, Anna	Systems Engineering Group, Faculty of Automatic Control, Electro
10:40-11:00	FrA23.3
<i>Comparison of Controllability Conditions for Models of Antiangiogenic and Combined Anticancer Therapy (I)</i> , pp. 11530-11535.	
Swierniak, Andrzej	Silesian Tech. Univ.
Klamka, Jerzy	Silesian Univ. of Tech. at Gliwice
11:00-11:20	FrA23.4
<i>Four Phenotype Model of Interaction between Tumour Cells (I)</i> , pp. 11536-11541.	
Krzeslak, Michal	Silesian Univ. of Tech.
Swierniak, Andrzej	Silesian Tech. Univ.
11:20-11:40	FrA23.5
<i>Application of the Stochastic Moran Model of Population Genetics to Understanding the Timing of a Driver Mutation in Myelodysplastic Syndrome (MDS) (I)</i> , pp. 11542-11546.	
Kimmel, Marek	Rice Univ. Houston, Texas and Silesian Univ. of Tech.
11:40-12:00	FrA23.6
<i>Development of Multi-Null-Hypotheses Method for Detection of Selective Forces at Molecular Level in Evolution of Human Genes Involved in DNA-Repair Mechanism Impaired in Cancer Progression (I)</i> , pp. 11547-11552.	
Cyran, Krzysztof	Inst. of Informatics, Silesian Univ. of Tech.
Kimmel, Marek	Rice Univ. Houston, Texas and Silesian Univ. of Tech.

Agricultural Robotics (Regular Session)

Chair: Noguchi, Noboru	Hokkaido Univ.
Co-Chair: Visala, Arto	Aalto Univ. ELEC School
10:00-10:20	FrA24.1
<i>Development of an Unmanned Surface Vehicle Platform for Autonomous Navigation in Paddy Field</i> , pp. 11553-11558.	
Liu, Yufei	Hokkaido Univ.
Noguchi, Noboru	Hokkaido Univ.
Yusa, Takeshi	Hokkaido Univ.
10:20-10:40	FrA24.2
<i>Development of a Human-Driven Tractor Following a Robot System</i> , pp. 11559-11564.	
Zhang, Chi	Hokkaido Univ.
Yang, Liangliang	Hokkaido Univ.
Noguchi, Noboru	Hokkaido Univ.
10:40-11:00	FrA24.3
<i>Cartesian Control of an Advanced Tractors Rear Hitch – Damped Least-Squares Solution</i> , pp. 11565-11570.	
Matikainen, Ville Valtteri	Aalto Univ. School of Electrical Engineering
Backman, Juha	Aalto Univ. School of Electrical Engineering
Visala, Arto	Aalto Univ. ELEC School
11:00-11:20	FrA24.4
<i>Development of a Wheel-Type Robot Tractor and Its Utilization</i> , pp. 11571-11576.	
Yang, Liangliang	Hokkaido Univ.
Noguchi, Noboru	Hokkaido Univ.
11:20-11:40	FrA24.5
<i>An Active Safety System Using Two Laser Scanners for a Robot Tractor</i> , pp. 11577-11582.	
Yang, Liangliang	Hokkaido Univ.
Noguchi, Noboru	Hokkaido Univ.
11:40-12:00	FrA24.6
<i>Semi-Automatic Coupling of an Agricultural Tractor and a Trailer</i> , pp. 11583-11588.	
Matikainen, Ville Valtteri	Aalto Univ. School of Electrical Engineering
Backman, Juha	Aalto Univ. School of Electrical Engineering
Visala, Arto	Aalto Univ. ELEC School

FrA25

Poster area

Interactive Session on Biological and Ecological Systems (Interactive Session)

Chair: Smets, Ilse	KU Leuven, Department of Chemical Engineering, BioTeC
Co-Chair: Chase, J. Geoffrey	Univ. of Canterbury
10:00-12:00	FrA25.1
<i>Modeling of the Blood Pressure Regulation System in Rats Using Genetic Algorithms</i> , pp. 11589-11594.	
Sekaj, Ivan	Fac. of Electrical Engineering
Bališ, Peter	Inst. of Normal and Pathological Physiology, Slovak Acad.
Majzunova, Miroslava	Inst. of Normal and Pathological Physiology, Slovak Acad.
Behuliak, Michal	Inst. of Physiology, Acad. of Sciences of the Czech Republ
Zicha, Josef	Inst. of Physiology, Acad. of Sciences of the Czech Republ
Kajan, Slavomir	Inst. of Control and Industrial Informatics, Faculty of Elec
Stevo, Stanislav	Inst. of Control and Industrial Informatics, Faculty of Elec
Bernatova, Iveta	Inst. of Normal and Pathological Physiology, Slovak Acad.
10:00-12:00	FrA25.2
<i>Variability of Model Based Insulin Sensitivity in Liver Transplanted Patients (I)</i> , pp. 11595-11598.	
Homlok, József	Budapest Univ. of Tech. and Ec.
Chase, J. Geoffrey	Univ. of Canterbury
Benyo, Balazs	Budapest Univ. of Tech. and Ec.
10:00-12:00	FrA25.3
<i>A Left Heart Ventricle Simulator Manufactured by 3D Printing (I)</i> , pp. 11599-11604.	
Pacheco, Bezerra, Ludmila	Federal Univ. of ABC
Pai, Chi Nan	Univ. of Sao Paulo
10:00-12:00	FrA25.4
<i>A Subspace-Based Wiener System Identification Method for the Individualized Anesthesia Care (I)</i> , pp. 11605-11610.	

Fang, Mengqi	Beijing Univ. of Chemical Tech. (BUCT)
Tao, Yuan	Beijing Univ. of Chemical Tech. (BUCT)
Wang, Youqing	Beijing Univ. of Chemical Tech. (BUCT)

10:00-12:00 FrA25.5

Non-Lipschitz Growth Functions As a Natural Way of Modelling Finite Time Behaviour in Auto-Immune Dynamics, pp. 11611-11616.

Oza, Harshal	Univ. of Kent
Spurgeon, Sarah K.	Univ. of Kent
Valeyev, Najl	Univ. of Exeter

FrB01 Ballroom East - Harold Chestnut
Power System Modeling and Control (Regular Session)

Chair: Lee, Kwang Y.	Baylor Univ.
Co-Chair: Weller, Steven	Univ. of Newcastle

13:00-13:20 FrB01.1

A Nonlinear Controller for Parallel Induction Heating Systems, pp. 11617-11622.

Zerad, Jonathan	Ec.
Riachy, Samer	Ec. 3649
Toussaint, Pierre	Ec.
Barbot, Jean Pierre	ENSEA

13:20-13:40 FrB01.2

Quasi Optimal Feedforward Control of a Very Low Frequency High-Voltage Test System, pp. 11623-11628.

Kemmetmueller, Wolfgang	Vienna Univ. of Tech.
Eberharter, Stefan	Vienna Univ. of Tech.
Kugi, Andreas	Vienna Univ. of Tech.

13:40-14:00 FrB01.3

Dynamic Modelling of Desiccant Wheels for the Design of Energy-Efficient Air Handling Units, pp. 11629-11634.

Leva, Alberto	Pol. di Milano
Zavaglio, Erica	Pol. di Milano
Bonvini, Marco	Lawrence Berkeley National Lab.

14:00-14:20 FrB01.4

Automatic Model Generation for Virtual Commissioning Based on Plant Engineering Data, pp. 11635-11640.

Oppelt, Mathias	Siemens AG
Wolf, Gerrit	Siemens AG
Drumm, Oliver	Siemens AG
Lutz, Benjamin	Siemens AG
Stöß, Markus	Tech. Univ. Dresden
Urbas, Leon	Tech. Univ. Dresden

14:20-14:40 FrB01.5

Distributed Control of Residential Energy Systems Using a Market Maker, pp. 11641-11646.

Worthmann, Karl	Univ. of Bayreuth
Kellett, Christopher M.	Univ. of Newcastle
Gruene, Lars	Univ. of Bayreuth
Weller, Steven	Univ. of Newcastle

FrB03 Auditorium 2 - Eduard Gerecke
Identification of Hybrid and Distributed Systems (Regular Session)

Chair: Burns, John A	Virginia Tech.
Co-Chair: Zhang, Youmin	Concordia Univ.

13:00-13:20 FrB03.1

H_∞ Fault Detection for a Class of T-S Fuzzy Model-Based Nonlinear Networked Control Systems, pp. 11647-11652.

Ding, Weiguang	Nanjing Univ. of Aeronautics and Astronautics
Mao, Zehui	Nanjing Univ. of Aeronautics and Astronautics
Jiang, Bin	Nanjing Univ. of Aeronautics and Astronautics
Shi, Peng	Univ. of Adelaide
He, Xiao	Tsinghua Univ.

13:20-13:40 FrB03.2

System Identification and Distributed Control for Multi-Rate Sampled Systems, pp. 11653-11658.

Cinar, Ali	Illinois Inst. of Tech.
Shao, Quan Min	Illinois Inst. of Tech.
13:40-14:00	FrB03.3
<i>Hybrid Sliding Mode Control of DFIG with MPPT Using Three Multicellular Converters</i> , pp. 11659-11666.	
Taibi, Fateh	Ec. Nationale Pol. d'Alger
Benzineb, Omar	Univ.
Mohamed, Tadjine	National Pol. School of Algiers
Boucherit, Mohamed Seghir	Lab. de commande des processus, Ec. Nationale Pol.
Mohamed, Benbouzid	Univ. de Brest
14:00-14:20	FrB03.4
<i>A Virtual Actuator Approach for Fault Tolerant Control of Switching LPV Systems (I)</i> , pp. 11667-11672.	
Rotondo, Damiano	Univ. Pol. de Catalunya
Puig, Vicenc	Univ. Pol. de Catalunya
Nejjari, Fatiha	Univ. Pol. de Catalunya
14:20-14:40	FrB03.5
<i>Fault-Tolerant Control of a Class of Switched Time-Delay Systems with Average Dwelling Time Method (I)</i> , pp. 11673-11678.	
Jin, Ying	McGill Univ.
Fu, Jun	MIT
Zhang, Youmin	Concordia Univ.
Jing, Yuanwei	Northeastern Univ.
Qian, Xiao-long	Northeastern Univ.
Ren, Tao	Northeastern Univ.
14:40-15:00	FrB03.6
<i>Parameter Estimation and Model Discrepancy in Control Systems with Delays (I)</i> , pp. 11679-11684.	
Burns, John A	Virginia Tech.
Cliff, Eugene	Virginia Pol. Inst. & State Univ.
Farlow, Kasie	United States Military Acad.
FrB04	Roof Terrace - John Coales
Adaptive Methods for Multi-Agent Systems (Regular Session)	
Chair: Zheng, Wei Xing	Univ. of Western Sydney
Co-Chair: Acikmese, Behcet	The Univ. of Texas at Austin
13:00-13:20	FrB04.1
<i>Distributed Parameter Estimation for Adaptive Event-Triggered Control</i> , pp. 11685-11690.	
Guinaldo, Maria	UNED
Sánchez Moreno, José	UNED
Dormido, Sebastián	UNED
13:20-13:40	FrB04.2
<i>Adaptive Leader-Following Control of Second-Order Multi-Agent Systems</i> , pp. 11691-11696.	
Hu, Jiangping	Univ. of Electronic Science and Tech. of China
Zheng, Wei Xing	Univ. of Western Sydney
13:40-14:00	FrB04.3
<i>Optimal Control Nodes Selection for Consensus in Multi-Agent Systems</i> , pp. 11697-11702.	
Yang, Wen	East China Univ. of Science and Tech.
Wang, Xiaofan	Shanghai JiaoTong Univ.
Shi, Hongbo	East china Univ. of science and Tech.
14:00-14:20	FrB04.4
<i>A Distributed Cooperative Control Scheme with Optimal Priority Assignment and Stability Assessment</i> , pp. 11703-11708.	
Ding, Haiyang	Gipsa-Lab. control systems department, Univ. of Grenoble
Alamir, Mazen	Gipsa-Lab. (CNRS-Univ. of Grenoble)
Hably, Ahmad	GIPSA-Lab.
14:20-14:40	FrB04.5
<i>A Multi-Agent Model of Opinion Formation with Truth Seeking and Endogenous Leaders</i> , pp. 11709-11714.	
Liu, Qipeng	Shanghai JiaoTong Univ.
Zhao, Jihua	Shanghai Jiao Tong Univ.
Wang, Lin	Shanghai Jiao Tong Univ.
Wang, Xiaofan	Shanghai JiaoTong Univ.

14:40-15:00	FrB04.6
<i>Density Control for Decentralized Autonomous Agents with Conflict Avoidance</i> , pp. 11715-11721.	
Demir, Nazli	The Univ. of Texas at Austin
Acikmese, Behcet	The Univ. of Texas at Austin
Can, Pehlivanurk	The Univ. of Texas at Austin

FrB05	Da Gama/Diaz
Time-Varying Systems (Regular Session)	

Chair: Werner, Herbert	Hamburg Univ. of Tech.
Co-Chair: Romagnoli, Raffaele	Univ. Pol. delle Marche

13:00-13:20	FrB05.1
<i>Temperature Control of Two Interacting Rooms with Decoupled PI Control</i> , pp. 11722-11727.	
Stemann, Meike	Lund Univ.
Rantzer, Anders	Lund Univ.

13:20-13:40	FrB05.2
<i>Enhancement of Dual-Rate Estimation and Its Application Demonstration</i> , pp. 11728-11733.	
Nguyen, Binh Minh	The Univ. of Tokyo
Fujimoto, Hiroshi	The Univ. of Tokyo
Hori, Yoichi	Univ. of Tokyo

13:40-14:00	FrB05.3
<i>Robust Stabilization of Linear Uncertain Plants with Polynomially Time Varying Parameters</i> , pp. 11734-11739.	
Orsini, Valentina	Univ. Pol. delle Marche
Jetto, L.	Univ. di Ancona
Romagnoli, Raffaele	Univ. Pol. delle Marche

14:00-14:20	FrB05.4
<i>On the Set of Perron Exponents of Discrete Linear Systems</i> , pp. 11740-11742.	
Niezabitowski, Michal	Silesian Univ. of Tech. Faculty of Automatic Control
Czornik, Adam	Silesian Tech. Univ.
Klamka, Jerzy	Silesian Univ. of Tech. at Gliwice

14:20-14:40	FrB05.5
<i>Factorizing the Monodromy Matrix of Linear Periodic Systems</i> , pp. 11743-11748.	
Jikuya, Ichiro	Nagoya Univ.
Hodaka, Ichijo	Univ. of Miyazaki

14:40-15:00	FrB05.6
<i>Complexity of Implementation and Synthesis in Linear Parameter-Varying Control</i> , pp. 11749-11760.	
Hoffmann, Christian	Hamburg Univ. of Tech.
Werner, Herbert	Hamburg Univ. of Tech.

FrB06	2.41 Pawel Nowacki
Mechatronic Systems III (Regular Session)	

Chair: Petersen, Ian R	Univ. of New SouthWalesattheAustralianDefenceForceAcademy
Co-Chair: Aschemann, Harald	Univ. of Rostock

13:00-13:20	FrB06.1
<i>New Robotic Architecture for NDT Applications</i> , pp. 11761-11766.	
Svejda, Martin	Univ. of West Bohemia

13:20-13:40	FrB06.2
<i>Modelling and Analysis of Natural Language Controlled Robotic Systems</i> , pp. 11767-11772.	
Cheng, Yu	Michigan State Univ.
Jia, Yunyi	Michigan State Univ.
Fang, Rui	Michigan State Univ.
She, Lanbo	Michigan State Univ.
Xi, Ning	Michigan State Univ.
Chai, Joyce	Michigan State Univ.

13:40-14:00	FrB06.3
<i>Real-Time Model Predictive Control for Quadrotors</i> , pp. 11773-11780.	
Bangura, Moses	Australian National Univ.

Mahony, Robert	Australian National Univ.
14:00-14:20	FrB06.4
<i>Robust PID Control of Electrical Drive with Compliant Load</i> , pp. 11781-11786.	
Goubej, Martin	Univ. of West Bohemia
Schlegel, Milos	Univ. of West Bohemia in Pilsen
14:20-14:40	FrB06.5
<i>Extremum Seeking Control of an Optical Cavity</i> , pp. 11787-11792.	
Sayed Hassen, Sayed Zahiruddeen	Univ. of Mauritius
Petersen, Ian R	Univ. of New SouthWalesattheAustralianDefenceForceAcademy
14:40-15:00	FrB06.6
<i>Improved Integral Force Feedback and Structured PI Tracking Control: Application for High Speed Confocal Microscopy (I)</i> , pp. 11793-11799.	
Teo, Yik Ren	Univ. of Newcastle
Russell, Douglas	Univ. of Aberdeen
Aphale, Sumeet	Univ. of Aberdeen, UK
Fleming, Andrew John	Univ. of Newcastle
FrB07	2.44 - Victor Broida
Physiological Modelling and Control (Regular Session)	
Chair: Cobelli, Claudio	Univ. of Padova
Co-Chair: Ogunnaike, Babatunde A.	Univ. of Delaware
13:00-13:20	FrB07.1
<i>Platelet Count Control in Immune Thrombocytopenic Purpura Patient: Optimum Romiplostim Dose Profile</i> , pp. 11800-11805.	
Tsai, Chia-Hung	Univ. of Delaware
Bussel, James	Weill Cornell Medical Coll.
Imahiyerobo, Allison	Weill Cornell Medical Coll.
Sandler, Stanley I.	Univ. of Delaware
Ogunnaike, Babatunde A.	Univ. of Delaware
13:20-13:40	FrB07.2
<i>Stabilization of the Steady Regime in Stochastic Population Model</i> , pp. 11806-11811.	
Bashkirtseva, Irina	Ural Federal Univ.
13:40-14:00	FrB07.3
<i>The Immune System: A Variable Structure Control Perspective</i> , pp. 11812-11817.	
Anelone, Anet Jorim Norbert	Univ. of Kent
Oza, Harshal	Univ. of Kent
Spurgeon, Sarah K.	Univ. of Kent
14:00-14:20	FrB07.4
<i>Subthreshold Resonance Oscillation and Generation of Action Potential</i> , pp. 11818-11823.	
Kitajima, Tatsuo	MJIT, UTM, Malaysia
Feng, Zhonggang	Graduate School of Science and Engineering, Yamagata Univ.
14:20-14:40	FrB07.5
<i>Model Predictive Static Programming with Impulse Control for Effective Radiotherapy</i> , pp. 11824-11829.	
Sakode, Chandrashekhhar	Indian Inst. of Science, Bangalore 560012
Padhi, Radhakant	Indian Inst. of Science
14:40-15:00	FrB07.6
<i>Non-Linear Model-Based Control for the Human-Inspired Robotic Exoskeleton (HuREx) Gait Trainer (I)</i> , pp. 11830-11835.	
Kora, Kazuto	The Univ. of Auckland
McDaid, Andrew	The Univ. of Auckland
Xie, Sheng	The Univ. of Auckland
FrB08	2.61 - John Lozier
Modeling, Estimation and Control of Diesel Engine Powertrains (Invited Session)	
Chair: Arsie, Ivan	Univ. of Salerno
Co-Chair: Eriksson, Lars	Linköping Univ.
Organizer: Arsie, Ivan	Univ. of Salerno
Organizer: Eriksson, Lars	Linköping Univ.
Organizer: Choi, Seibum	KAIST

Organizer: Guvenc, Levent	Istanbul Okan Univ.
Organizer: Wang, Junmin	Ohio State Univ.
13:00-13:20	FrB08.1
<i>Estimation of In-Cylinder Mass and AFR by Cylinder Pressure Measurement in Automotive Diesel Engines (I)</i> , pp. 11836-11841.	
Arsie, Ivan	Univ. of Salerno
Di Leo, Rocco	Univ. of Salerno
Pianese, Cesare	Univ. OF SALERNO
De Cesare, Matteo	Magneti Marelli SpA
13:20-13:40	FrB08.2
<i>A Transient Diesel EMS Strategy for Online Implementation (I)</i> , pp. 11842-11847.	
Grahn, Markus	Volvo Car Corp.
Johansson, Krister	Volvo Car Corp.
McKelvey, Tomas	Chalmers Univ. of Tech.
13:40-14:00	FrB08.3
<i>A Robust Model Predictive Control Framework for Diesel Generators (I)</i> , pp. 11848-11853.	
Broomhead, Timothy James	The Univ. of Melbourne
Manzie, Chris	The Univ. of Melbourne
Eriksson, Lars	Linköping Univ.
Brear, Michael	The Univ. of Melbourne
Hield, Peter	Defence Science and Tech. Organisation Australia
14:00-14:20	FrB08.4
<i>Optimal Transient Control of a Heavy Duty Diesel Engine with EGR and VGT (I)</i> , pp. 11854-11859.	
Llamas, Xavier	Linköping Univ.
Eriksson, Lars	Linköping Univ.
14:20-14:40	FrB08.5
<i>Dynamic Programming for Integrated Emission Management in Diesel Engines (I)</i> , pp. 11860-11865.	
van Schijndel, Jos	Eindhoven Univ. of Tech.
Donkers, M.C.F. (Tijs)	Eindhoven Univ. of Tech.
Willems, Frank	Eindhoven Univ. of Tech.
Heemels, Maurice	Eindhoven Univ. of Tech.
14:40-15:00	FrB08.6
<i>Detection of Combustion Properties in a Diesel Engine Using Block Mounted Accelerometers (I)</i> , pp. 11866-11871.	
Andersson, Ingemar	Chalmers Univ. of Tech.
McKelvey, Tomas	Chalmers Univ. of Tech.
FrB09	1.41 - Uolevi Luoto
Vision Based Robot Control (Regular Session)	
Chair: Hernandez, Andres	Ghent Univ. Belgium
Co-Chair: Zhang, Xuebo	Nankai Univ.
13:00-13:20	FrB09.1
<i>Formation Control of UGVs Using an UAV As Remote Vision Sensor</i> , pp. 11872-11877.	
Hernandez, Andres	Ghent Univ. Belgium
Copot, Cosmin	Ghent Univ.
Cerquera, Juan	Univ. de Ibague
Murcia, Harold	Univ. de Ibague
De Keyser, Robin M.C.	Ghent Univ.
13:20-13:40	FrB09.2
<i>Vision-Based Minimum-Time Planning of Mobile Robots with Kinematic and Visibility Constraints (I)</i> , pp. 11878-11883.	
Huang, Yaozhun	Nankai Univ.
Zhang, Xuebo	Nankai Univ.
Fang, Yongchun	Nankai Univ.
13:40-14:00	FrB09.3
<i>Dynamic Modeling and Image-Based Adaptive Visual Servoing of Cable-Driven Soft Robotic Manipulator (I)</i> , pp. 11884-11889.	
Wang, Hesheng	Shanghai Jiao Tong Univ.
Chen, Weidong	Shanghai Jiaotong Univ.
Wang, Xiaozhou	Shanghai Chest Hospital
Pfeifer, Rolf	Shanghai Jiao Tong Univ.

14:00-14:20	FrB09.4
<i>Active Visual Features Based on Events to Guide Robot Manipulators in Tracking Tasks</i> , pp. 11890-11897.	
Gil, Pablo	Univ. of Alicante
Garcia, Gabriel J.	Univ. of Alicante
Mateo, Carlos M.	Univ. of Alicante
Torres, Fernando	Univ. of Alicante

14:20-14:40	FrB09.5
<i>Visual Campus Road Detection for an UGV Using Fast Scene Segmentation and Rapid Vanishing Point Estimation</i> , pp. 11898-11903.	
Zhu, Min	Dalian Univ. of Tech.
Liu, Yisha	Dalian Maritime Univ.
Zhuang, Yan	Dalian Univ. of Tech.
Hu, Huosheng	Univ. of Essex

14:40-15:00	FrB09.6
<i>Image-Based Consensus of Networked Robotic Manipulators without Visual Velocity Measurements</i> , pp. 11904-11909.	
Wang, Lijiao	Beijing Inst. of Control Engineering
Meng, Bin	Beijing Inst. of Control Engineering

FrB11	1.43 - Tibor Vamos
Distributed Control for Power Systems (Regular Session)	

Chair: Sloth, Christoffer	Aalborg Univ.
Co-Chair: Andreasson, Martin	KTH

13:00-13:20	FrB11.1
<i>Distributed Voltage and Current Control of Multi-Terminal High-Voltage Direct Current Transmission Systems</i> , pp. 11910-11916.	
Andreasson, Martin	KTH Royal Inst. of Tech.
Nazari, Mohammad	KTH Royal Inst. of Tech.
Dimarogonas, Dimos V.	Royal Inst. of Tech.
Sandberg, Henrik	KTH Royal Inst. of Tech.
Johansson, Karl H.	Royal Inst. of Tech.
Ghandhari, Mehrdad	KTH Royal Inst. of Tech.

13:20-13:40	FrB11.2
<i>On Synthesis of Stabilizing Distributed Controllers with an Application to Power Systems</i> , pp. 11917-11925.	
van Horssen, Eelco Pascal	Eindhoven, Univ. of Tech.
Lazar, Mircea	Eindhoven Univ. of Tech.
Weiland, Siep	Eindhoven Univ. of Tech.

13:40-14:00	FrB11.3
<i>A Distributed Algorithm for Energy Optimization in Hydraulic Networks</i> , pp. 11926-11931.	
Kallesøe, Carsten Skovmose	Grundfos Management A/S
Wisniewski, Rafal	Aalborg Univ.
Jensen, Tom Nørgaard	Aalborg Univ.

14:00-14:20	FrB11.4
<i>Distributed Detection of Cyber Attacks and Faults for Power Systems</i> , pp. 11932-11937.	
Nishino, Hiroaki	Tokyo Inst. of Tech.
Ishii, Hideaki	Tokyo Inst. of Tech.

14:20-14:40	FrB11.5
<i>Distributed Generation System Control Strategies in Microgrid Operation (I)</i> , pp. 11938-11943.	
Bai, Wenlei	Baylor Univ.
Lee, Kwang Y.	Baylor Univ.

FrB12	1.44 - Manfred Thoma
Control of Electrical Machines and Drives (Regular Session)	

Chair: Weber, Harald	Univ. of Rostock
Co-Chair: Zhong, Qing-Chang	The Univ. of Sheffield

13:00-13:20	FrB12.1
<i>Discrete-Time Neural Block Control Using Sliding Modes for Induction Motors with Gears</i> , pp. 11944-11949.	
Antonio-Toledo, Maria Elena	CINVESTAV Unidad Guadalajara
Ramirez Ordaz, Patricia	CINVESTAV IPN
Sanchez, Edgar N.	CINVESTAV

Loukianov, Alexander G.	CINVESTAV IPN GDL
13:20-13:40	FrB12.2
<i>Fault-Tolerant Control of 5-Phase PMSG for Marine Current Turbine Applications Based on Fractional Controller</i> , pp. 11950-11955.	
Dieng, Abdoulaye	IREENA - Lab.
Benkhoris, Mohamed-Fouad	IREENA - Lab. Bd de l'Univ. BP 406, 44602, Saint Mohamed-Fouad.Benkhoris@Univ.
Aït-Ahmed, Mourad	Bd de l'Univ. BP 406, 44602, Saint
Le Claire, Jean-Claude	IREENA - Lab.
13:40-14:00	FrB12.3
<i>Integral FCS Predictive Current Control of Induction Motor Drive</i> , pp. 11956-11961.	
Wang, Liuping	RMIT Univ.
Gan, Lu	RMIT Univ.
14:00-14:20	FrB12.4
<i>Comparison of Different Solutions in Predictive Control for Two PMSM in Parallel</i> , pp. 11962-11967.	
Fadel, Maurice	LAPLACE/ENSEEIH
Llor, Ana	LAPLACE/ENSEEIH
14:20-14:40	FrB12.5
<i>Traction Drive with MFT - Novel Control Strategy Based on Zero Vectors Insertion</i> , pp. 11968-11973.	
Drabek, Pavel	Univ. of West Bohemia
Pittermann, Martin	Univ. of West Bohemia
Los, Miroslav	Univ. of West Bohemia
Bednar, Bedrich	Univ. of West Bohemia
FrB13	1.61 - Boris Tamm
Constrained Systems (Regular Session)	
Chair: Li, Guang	Queen Mary, Univ. of London
Co-Chair: Muller, Matthias A.	Univ. of Stuttgart
13:00-13:20	FrB13.1
<i>Experimentally Verified Depth Regulation for AUVs Using Constrained Model Predictive Control</i> , pp. 11974-11979.	
Steenon, Leo	Univ. of Southampton
Wang, Liuping	RMIT Univ.
Phillips, Alexander	Univ. of Southampton
Turnock, Stephen	Univ. of Southampton
Furlong, Maaten	NOC Southampton
Rogers, Eric	Univ. of Southampton
13:20-13:40	FrB13.2
<i>Fast Alternating Minimization Algorithm for Model Predictive Control</i> , pp. 11980-11986.	
Pu, Ye	École Pol. Fédérale de Lausanne
Zeilinger, Melanie N.	UC Berkeley
Jones, Colin, N	Ec. Pol. Federale de Lausanne (EPFL)
13:40-14:00	FrB13.3
<i>Model Predictive Control of a Sea Wave Energy Converter: A Convex Approach</i> , pp. 11987-11992.	
Li, Guang	The Univ. of Exeter
Belmont, Mike	Univ. of Exeter
14:00-14:20	FrB13.4
<i>A Preliminary Study of Barrier Stopping Points in Constrained Nonlinear Systems</i> , pp. 11993-11997.	
Esterhuizen, Willem Daniël	Mines-ParisTech
Levine, Jean	Ec. des Mines, CAS
14:20-14:40	FrB13.5
<i>Striped Parameterized Tube Model Predictive Control</i> , pp. 11998-12003.	
Muñoz-Carpintero, Diego Alejandro	Univ. of Oxford
Kouvaritakis, Basil	Oxford Univ.
Cannon, Mark	Univ. of Oxford
14:40-15:00	FrB13.6
<i>A Distributed Model Predictive Control Scheme for Networks with Communication Failure</i> , pp. 12004-12009.	
Schaich, Rainer Manuel	Univ. of Oxford
Muller, Matthias A.	Univ. of Stuttgart
Allgower, Frank	Univ. of Stuttgart

FrB14	1.62 - Brian Anderson
Torque and Traction Control (Regular Session)	
Chair: del Re, Luigi	Johannes Kepler Univ.
Co-Chair: Werner, Herbert	Hamburg Univ. of Tech.
13:00-13:20	FrB14.1
<i>LPV Torque Vectoring for an Electric Vehicle with Experimental Validation</i> , pp. 12010-12015.	
Kaiser, Gerd	Intedis GmbH
Korte, Matthias	Intedis GmbH
Liu, Qin	Hamburg Univ. of Tech.
Hoffmann, Christian	Hamburg Univ. of Tech.
Werner, Herbert	Hamburg Univ. of Tech.
13:20-13:40	FrB14.2
<i>Inverse Model Based Torque Vectoring Control for a Rear Wheel Driven Battery Electric Vehicle</i> , pp. 12016-12022.	
Bünthe, Tilman	DLR German Aerospace Center
Kaspar, Stephan	BMW Group Forschung und Tech. GmbH
Hohmann, Soeren	KIT
Brembeck, Jonathan	DLR - SR FAZ
13:40-14:00	FrB14.3
<i>Robust Torque Vectoring Control</i> , pp. 12023-12028.	
Kaspar, Stephan	BMW Group Forschung und Tech. GmbH
Ludwig, Julian	BMW Res. & Tech.
Bünthe, Tilman	DLR German Aerospace Center
Hohmann, Soeren	KIT
14:00-14:20	FrB14.4
<i>A PCA-Based Modeling Approach for Estimation of Road-Tire Forces by In-Tire Accelerometers</i> , pp. 12029-12034.	
Krier, David	Johannes Kepler Univ. Linz
Zanardo, Gabriele	Johannes Kepler Univ. Linz
del Re, Luigi	Johannes Kepler Univ.
14:20-14:40	FrB14.5
<i>Torque Overlay Based Robust Steering Wheel Angle Control for Lateral Control Using Backstepping Design</i> , pp. 12035-12041.	
Kim, Wonhee	Hanyang Univ.
Son, Youngseop	MANDO
Yu, Jun Young	Hanyang Univ.
Kang, Chang Mook	Hanyang Univ.
Chung, Chung Choo	Hanyang Univ.
14:40-15:00	FrB14.6
<i>Slip-Constrained Model Predictive Control Allocation for an All-Wheel Driven Electric Vehicle</i> , pp. 12042-12047.	
Bächle, Thomas	Univ. of Ulm
Graichen, Knut	Univ. of Ulm
Buchholz, Michael	Univ. Ulm
Dietmayer, Klaus Christian Jürgen	Univ. of Ulm
FrB15	1.63 - Stephen Kahne
Control of Building Energy Systems (Regular Session)	
Chair: Li, Shaoyuan	Shanghai Jiao Tong Univ.
Co-Chair: Wang, Bo	Univ. of Pretoria
13:00-13:20	FrB15.1
<i>Hierarchical Fuzzy MPC Concept for Building Heating Control</i> , pp. 12048-12055.	
Killian, Michaela	Vienna Univ. of Tech.
Mayer, Barbara	FH JOANNEUM
Kozek, Martin	Vienna Univ. of Tech.
13:20-13:40	FrB15.2
<i>A Control System Approach to Corrective Maintenance Planning of Building Retrofitted Facilities</i> , pp. 12056-12061.	
Wang, Bo	Univ. of Pretoria
Xia, Xiaohua	Univ. of Pretoria
13:40-14:00	FrB15.3

<i>Integration of Low Level Controller Constraints in Supervisory Control of Buildings</i> , pp. 12062-12067.		
Chan Shin Yu, Kate		IETR/Supelec
Bourdais, Romain		SUPELEC/IETR
Gueguen, Herve		SUPELEC
Dumur, Didier		Ec. Superieure d'Electricite
14:00-14:20		FrB15.4
<i>Robust Provision of Frequency Reserves by Office Building Aggregations (I)</i> , pp. 12068-12073.		
Vrettos, Evangelos		Power Systems Lab. ETH Zurich
Oldewurtel, Frauke		ETH Zurich
Zhu, Fengtian		EPFL
Andersson, Goran		Swiss Federal Inst. of Tech.
14:20-14:40		FrB15.5
<i>Distributed Predictive Control for Building Temperature Regulation with Impact-Region Optimization</i> , pp. 12074-12079.		
Zheng, Yi		Shanghai Jiao Tong Univ.
Li, Shaoyuan		Shanghai Jiao Tong Univ.
14:40-15:00		FrB15.6
<i>Predictive Control of Multizone HVAC Systems in Non-Residential Buildings</i> , pp. 12080-12085.		
Garnier, Antoine		PYRESCOM
Eynard, Julien		Univ. of Perpignan Via Domitia
Caussanel, Matthieu		PROMES-CNRS
Grieu, Stéphane		Univ. of Perpignan Via Domitia
FrB16		1.64 - Yong-Zai Lu
Estimation of Periodic Signals and Systems (Regular Session)		
Chair: Hayakawa, Yoshikazu		Nagoya Univ.
Co-Chair: Goos, Jan		Vrije Univ. Brussel
13:00-13:20		FrB16.1
<i>A New Adaptive Algorithm for Periodic Noise Control and Its Stability Analysis</i> , pp. 12086-12091.		
Hayakawa, Yoshikazu		Nagoya Univ.
Nakashima, Akira		Nagoya Univ.
Yasuda, Takayoshi		Tokai Rubber Industries, LTD,
Ichikawa, Hiroyuki		Tokai Rubber Industries, LTD,
13:20-13:40		FrB16.2
<i>Comparative Study of Two Global Affine Linear Periodic Parameter Varying State Space Model Estimation Algorithms</i> , pp. 12092-12097.		
Goos, Jan		Vrije Univ. Brussel
Pintelon, Rik		Vrije Univ. Brussel
13:40-14:00		FrB16.3
<i>An Adaptive "quasi" Repetitive Controller for the Fundamental Frequency Estimation of Periodic Signals</i> , pp. 12098-12103.		
Fedele, Giuseppe		Univ. della Calabria
Ferrise, Andrea		Univ. della Calabria
Muraca, Pietro Maria		Univ. Della Calabria
14:00-14:20		FrB16.4
<i>Stabilization of Nonlinear System with Input Delay and Biased Sinusoidal Disturbance</i> , pp. 12104-12109.		
Pyrkin, Anton		ITMO Univ.
Bobtsov, Alexey		ITMO Univ.
Kolyubin, Sergey		St. Petersburg NRU ITMO
Vedyakov, Alexey		Saint Petersburg National Res. Univ. of Information Tec
Borisov, Oleg		ITMO Univ.
Gromov, Vladislav		ITMO Univ.
14:20-14:40		FrB16.5
<i>Output Control Approach for Delayed Linear Systems with Adaptive Rejection of Multiharmonic Disturbance</i> , pp. 12110-12115.		
Pyrkin, Anton		ITMO Univ.
Bobtsov, Alexey		ITMO Univ.
Nikiforov, Vladimir O.		St. State Univ. of Information Tech. Mechanics and Optics
Vedyakov, Alexey		Saint Petersburg National Res. Univ. of Information Tec
Kolyubin, Sergey		St. Petersburg NRU ITMO
Borisov, Oleg		ITMO Univ.

FrB17	Marco Polo
Safety in Road Transport Systems (Regular Session)	
Chair: Abel, Dirk	RWTH-Aachen Univ.
Co-Chair: Wei, Xiu Kun	Beijing Jiaotong Univ.
13:00-13:20	FrB17.1
<i>Crowd Evacuation Optimization by Leader-Follower Model</i> , pp. 12116-12121.	
Dong, Hairong	Beijing Jiaotong Univ.
Gao, Xiang	Beijing Jiaotong Univ.
Gao, Tongxin	Beijing Jiaotong Univ.
Sun, Xubin	Beijing Jiaotong Univ.
Wang, Qianling	Beijing Jiaotong Univ.
13:20-13:40	FrB17.2
<i>Fault Isolation for Urban Rail Vehicle Suspension Systems</i> , pp. 12122-12127.	
Wei, Xiu Kun	Beijing Jiaotong Univ.
Jia, Li-min	State Key Lab. of Rail Traffic Control and Safety, Beijing J
Guo, Kun	Beijing Jiaotong Univ. of Traffic and Transportation
13:40-14:00	FrB17.3
<i>Standardization and Safety Control Generation for SNCF Systems Engineer</i> , pp. 12128-12133.	
Coupat, Raphaël	Univ. of Reims
Meslay, Marc	SNCF (National Society of French Railways)
Burette, Marc-Axel	SNCF (National Society of French Railways)
Riera, Bernard	Reims Univ.
Philippot, Alexandre	Univ. de Reims Champagne Ardenne
Annebicque, David	Univ. of Reims - URCA - IUT de Troyes
14:00-14:20	FrB17.4
<i>Hardware-In-The-Loop Simulation for a Wheel Slide Protection System of a Railway Train</i> , pp. 12134-12139.	
Kim, Ho-Yeon	Konkuk Univ.
Lee, Nam-Jin	Hyundai Rotem Co.
Lee, Dong-Chan	Konkuk Univ.
Kang, Chul-Goo	Konkuk Univ.
14:20-14:40	FrB17.5
<i>Specification and Formal Verification of Safety Properties in Point Automation System by Using Timed-Arc Petri Nets</i> , pp. 12140-12145.	
Sener, Ibrahim	Yildiz Tech. Univ.
Kaymakci, Ozgur Turay	Yildiz Tech. Univ.
Ustoglu, Ilker	Yildiz Tech. Univ.
Cansever, Galip	Yildiz Tech. Univ.
FrB18	2.43 - Pedro Albertos
Navigation, Control and Sensing in the Marine Environment IV (Invited Session)	
Chair: Pascoal, Antonio M.	ISR-Inst. Superior Tecnico
Co-Chair: Ridao, Pere	Univ. of Girona VAT:ESQ6750002E
Organizer: Zereik, Enrica	CNR - ISSIA
Organizer: Bibuli, Marco	CNR-ISSIA
Organizer: Pascoal, Antonio M.	ISR-Inst. Superior Tecnico
Organizer: Ridao, Pere	Univ. of Girona VAT:ESQ6750002E
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<i>Intervention AUVs: The Next Challenge (I)</i> , pp. 12146-12159.	
Ridao, Pere	Univ. of Girona VAT:ESQ6750002E
Carreras, Marc	Univ. of Girona
Ribas, David	Univ. of Girona
Sanz, P.J.	Univ. of Jaume I
Oliver, Gabriel	Univ. of the Balearic Islands
13:40-14:00	FrB18.2
<i>Autonomous I-AUV Docking for Fixed-Base Manipulation (I)</i> , pp. 12160-12165.	
Palomeras, Narcis	Univ. of Girona

Ridao, Pere	Univ. of Girona VAT:ESQ6750002E
Ribas, David	Univ. of Girona
Vallicrosa, Guillem	Univ. de Girona
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<i>Improved Counter-Current and Co-Current Guidance of Underactuated Marine Vehicles with Semiglobal Stability Properties (I)</i> , pp. 12166-12173.	
Caharija, Walter	NTNU
Grøtli, Esten Ingar	Norwegian Univ. of Science and Tech.
Pettersen, Kristin Y.	Norwegian Univ. of Science and Tech.
14:20-14:40	FrB18.4
<i>Development of Collision Avoidance Algorithms for the C-Enduro USV</i> , pp. 12174-12181.	
Savvaris, Al	Cranfield Univ.
Niu, Hanlin	Cranfield Univ.
Oh, Hyondong	Cranfield Univ.
Tsourdos, Antonios	Cranfield Univ.
14:40-15:00	FrB18.5
<i>Performance Indices for Evaluation and Comparison of Unmanned Marine Vehicles' Guidance Systems (I)</i> , pp. 12182-12187.	
Saggini, Eleonora	CNR
Zereik, Enrica	CNR - ISSIA
Bibuli, Marco	CNR-ISSIA
Bruzzone, Gabriele	CNR-ISSIA
Caccia, Massimo	CNR-ISSIA
Riccomagno, Eva	q
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Unmanned Aerial Vehicles III (Regular Session)	
Chair: Taylor, James H.	Univ. of New Brunswick
Co-Chair: Yu, Changbin (Brad)	Australian National Univ.
13:00-13:20	FrB19.1
<i>Towards Automatic Flight Control for Commercial Airliners in Formation Flight</i> , pp. 12188-12194.	
Buchner, Denzil	Stellenbosch Univ.
Engelbrecht, Jacobus Adriaan Albertus	Stellenbosch Univ.
Adams, Jordan Lee	Univ. of Cape Town
Redelinghuys, Christiaan	Univ. of Cape Town
13:20-13:40	FrB19.2
<i>Fault-Tolerant Control of a Unmanned Aerial Vehicle with Partial Wing Loss</i> , pp. 12195-12201.	
Beeton, Wiaan	Stellenbosch Univ.
Engelbrecht, Jacobus Adriaan Albertus	Stellenbosch Univ.
13:40-14:00	FrB19.3
<i>A Neuro-Adaptive Augmented Dynamic Inversion Design for Robust Auto-Landing (I)</i> , pp. 12202-12207.	
Ambati, Pradeep Reddy	Indian Inst. of Science
Padhi, Radhakant	Indian Inst. of Science
14:00-14:20	FrB19.4
<i>Design and Modelling of a Quadrotor Helicopter with Variable Pitch Rotors for Aggressive Manoeuvres</i> , pp. 12208-12213.	
Pretorius, Arnold	Univ. of Cape Town
Boje, Edward	Univ. of Cape Town
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<i>A Prototype GUI for Unmanned Air Vehicle Mission Planning and Execution</i> , pp. 12214-12219.	
Perry, Sean	Environment Canada
Taylor, James H.	Univ. of New Brunswick
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<i>Sensor and Actuator FDI Applied to an UAV Dynamic Model</i> , pp. 12220-12225.	
Caliskan, Fikret	Istanbul Tech. Univ.
Hacizade, Cengiz	Istanbul Tech. Univ.

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Industrial and Academic Training in Control Education (Regular Session)	

Chair: Bauer, Margret	ABB Corp. Res. Germany
Co-Chair: Dormido, Sebastián	UNED
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<i>Industry Expectations and Academic Practice in Control Engineering Education – a South African Survey</i> , pp. 12226-12231.	
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Brooks, Kevin Seth	BluESP
Sandrock, Carl	Univ. of Pretoria
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<i>Project-Based Learning in Programming Classes - the Effect of Open Project Scope on Student Motivation and Learning Outcome</i> , pp. 12232-12236.	
Zouganeli, Evi	Olso and Akershus Univ. Coll. of Applied Sciences
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<i>Process Education and Development Infrastructure Building by Virtual Plant in DCS Manufacturing Company</i> , pp. 12237-12242.	
Machida, Yuta	Yokogawa Electric Corp.
Nakaya, Makoto	Yokogawa Electric Corp.
Omata, Toshiaki	Yokogawa Electric Corp.
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<i>Understanding PID Design through Interactive Tools</i> , pp. 12243-12248.	
Guzman, Jose Luis	Univ. of Almeria
Hagglund, Tore	Lund Univ.
Astrom, Karl J.	Lund Univ.
Dormido, Sebastián	UNED
Berenguel, Manuel	Univ. of Almeria
Piguet, Yves	Calerga Sarl
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<i>ITCLI: An Interactive Tool for Closed-Loop Identification</i> , pp. 12249-12254.	
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Rivera, Daniel E.	Arizona State Univ.
Berenguel, Manuel	Univ. of Almeria
Dormido, Sebastián	UNED
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Yang, Qinmin	Zhejiang Univ.
Nilsson, Carl-Henric	Lund Univ.
Jin, Jun	Zhejiang Univ.
Warell, Anders	Lund Univ.
Larsson, Andreas	Lund Univ.
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Mixed Criticality in Control Systems (Regular Session)	
Chair: Alonso, Alejandro	Univ. Pol. de Madrid
Co-Chair: Crespo, Alfons	Univ. Pol. de Valencia
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Alonso, Alejandro	Univ. Pol. de Madrid
Marcos, Marga	ETSI Bilbao, Univ. del País Vasco
de la Puente, Juan Antonio	Univ. Pol. de Madrid
Balbastre, Patricia	Professor
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Benemann, Arthur	Federal Univ. of Rio Grande Do Sul
Lerm, Rafael	UFRGS
Freitas, Edison Pignaton	UnB
Müller, Ivan	Federal Univ. of Rio Grande do Sul
Winter, Jean Michel	UFRGS

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Alonso, Alejandro	Univ. Pol. de Madrid
Garrido, Jorge	Univ. Pol. de Madrid
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Obermaisser, Roman	Univ. of Siegen
Sharkhawy, Mino	Vienna Univ. of Tech.
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Masmano, Miguel	Univ. Pol. de Valencia
Coronel, Javier O.	Univ. Pol. de Valencia
Peiró, Salvador	Univ. Pol. de Valencia
Balbastre, Patricia	Professor
Simo, Jose	Univ. Pol. de Valencia
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Bascetta, Luca	Pol. di Milano
Ferretti, Gianni	Pol. di Milano
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Venture, Gentiane	Tokyo Univ. of Agriculture and Tech.
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Zhao, Xingang	Shenyang Inst. of Automation, CAS
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Badihi, Hamed	TuB21.5	4328
Badur, Patrick	FrA14.6	11231
Bae, Joonbum	TuB25.3	4453
Bagchi, Arunabha	ThB15.6	9563
Bahadorian, Mitra	TuC09.3	4849
Bahn, Wook	ThA06.3	8378
Bai, Chen	MoA25.4	869
Bai, Er-Wei	TuC14	CC
.....	TuC14.1	4979
Bai, Wenlei	FrB11.5	11938
Bai, Xiaomin	TuA25.3	3611
Baillieul, John	TuC23	C
.....	TuC23.3	5276
.....	FrA15.3	11250
Baizid, Khelifa	MoB06.1	1108
Bajcsy, Ruzena	WeA17.3	5998
Bajpai, Gaurav	WeB01.6	6386
Bakhtadze, Natalia	ThB01.1	9069
Bakule, Lubomir	ThC16	C
.....	ThC16.1	10427
Balaguer, Carlos	TuA09.2	3030
.....	TuA09.4	3042
Balas, Mark	MoC01.5	1886
Balbastre, Patricia	FrB21.1	12261
.....	FrB21.5	12293
Balda, Juan Carlos	ThB12.4	9444
Balda, Pavel	ThC20.3	10580
Baldan, Giancarlo	TuB04.1	3751
Baldissera, Fabio	MoC17.4	2435
Bališ, Peter	FrA25.1	11589
Ballesteros, Pablo	WeC08.6	7572
Baltes, Jacky	TuB25.15	4529
Bamimore, Ayorinde	MoA10.2	346
.....	WeA10.2	5746
Ban, Xiao-juan	FrB22.6	12331
Ban, Xiaojun	ThB13.5	9486
Banaszak, Zbigniew	ThA22.5	8939
Bandarabadi, Mojtaba	MoB07.3	1158
Bangura, Moses	FrB06.3	11773
Bansal, Loveleena	MoA23.6	815
Bansal, Ramesh	WeB01.3	6368
Bao, Jie	TuA10	C
.....	TuA10.2	3068
.....	WeB19.5	7025
Baraille, Rémy	TuA15.3	3256
Baratcart, Travis	MoA09.6	332
Baratti, Roberto	MoB10.2	1266
Barbata, Asma	TuB02.4	3696
Barbieri, Giacomo	TuA20.1	3431
Barbot, Jean Pierre	ThA12.2	8588
.....	ThB03	CC
.....	ThB03.4	9159
.....	FrB01.1	11617
Barmish, B. Ross	WeC15.3	7799
.....	ThA15	C
.....	ThA15.5	8719

Barnard, Jp.....	ThB22.3	9798
Barnes, Arthur.....	ThB12.4	9444
Barrientos, Pablo.....	ThB20.1	9715
Barrientos Martínez, Rubén.....	MoA03.6	104
Bars, Ruth.....	ThA25	CC
Bartels, Marcus.....	WeC23.2	8079
Bartolini, Fabio.....	TuA18.3	3370
Barton, Justin.....	MoA19.5	671
.....	MoB19.2	1568
.....	TuC21.5	5223
.....	ThC12.6	10319
Bartosiewicz, Zbigniew.....	TuB05	C
.....	TuB05.3	3803
Bartoszewicz, Andrzej.....	TuC02.1	4589
Basanez, Luis.....	WeB09.3	6656
.....	WeB09.6	6674
.....	ThB09	CC
.....	ThB09.4	9341
Basar, Tamer.....	MoA04	CC
.....	MoA04.1	110
.....	WeA01.1	5405
Bascetta, Luca.....	FrB22.1	12299
Bashkirtseva, Irina.....	ThC02.5	9985
.....	FrB07.2	11806
Basin, Michael V.....	WeB18.3	6976
Basset, Michel.....	MoA25	C
.....	MoA25.12	906
.....	FrA14	C
.....	FrA14.4	11219
Bataller-Mompeán, Manuel.....	MoA20.4	701
Bates, Declan G.....	MoB21.6	1661
Bäthge, Tobias.....	FrA10.3	11073
Batista Lopes, José Soares.....	MoB15.6	*
Battaia, Olga.....	TuA22.4	3522
Battilotti, Stefano.....	WeB13.4	6812
Battistel, Andrei.....	WeB16.4	6920
Battistelli, Giorgio.....	MoB16	CC
.....	MoB16.3	1483
.....	WeA04	CC
.....	WeA04.1	5520
Baudà, Alberto.....	ThA17.3	8775
Baudin-Bizien, Isabelle.....	WeB23.2	7128
Bauer, Margret.....	WeB10	CC
.....	FrB20	C
.....	FrB20.1	12226
Bauer, Wilhelm.....	TuB25.4	4459
.....	ThC25.5	10760
Bauso, Dario.....	MoB18.1	1537
.....	WeC15.6	7819
Bayat, Mohammadreza.....	TuB18.3	4222
Bayer, Florian.....	MoC02	C
.....	MoC02.2	1898
Bayiz, Efe.....	TuC25.12	5393
Bayliss, Martin Thomas.....	ThB08	C
.....	ThB08.1	9283
Bayma, Rafael Suzuki.....	ThA03.4	8278
Bayrak, Gülden.....	ThA10.3	*
Bazanella, Alexandre S.....	TuA07	C
.....	TuA07.5	2975
.....	ThC11	CC
.....	ThC11.4	10269
Bazylev, Dmitry.....	TuA07.1	2951
Beauchamp, Daniel.....	ThA13.6	8648
Beaulieu, Alain.....	MoB09.4	1241
Beca, Miguel Ferro de.....	MoA24.4	839
Bechart, Hubert.....	ThA05.4	8353
Bechou, Laurent.....	WeC03.1	7354
Becker, Leandro.....	TuB06.3	3839
Becker, Udo.....	WeA08.3	5679
Beckers, Hans.....	ThA12.1	8583
Bednar, Bedrich.....	FrB12.5	11968
Beerens, Ruud.....	MoB02.4	1023
Beeton, Wiaan.....	FrB19.2	12195
Beghi, Alessandro.....	MoC03	C
.....	MoC03	O
.....	MoC03.5	1953
Behuliak, Michal.....	FrA25.1	11589
Beijen, Michiel.....	WeA06.4	5611
Belai, Igor.....	MoA06.3	198

Belikov, Juri.....	FrA02.6	10838
Belkhiat, Djamel Eddine Chouaib	TuB13.6	4091
Bello, Oladipupo.....	MoA10.6	370
.....	TuB10.4	3985
Belmiloudi, Aziz.....	MoC07.2	2076
Belmont, Mike.....	FrB13.3	11987
Belz, Julian.....	TuB14.6	4128
Bemporad, Alberto.....	TuA06.1	2921
.....	ThC16.6	10457
.....	FrA12.4	11147
Ben Amira, Ahmed.....	TuA16.4	3309
Ben Ammar, Oussama.....	MoA22.7	778
Ben Ayed, Samah.....	MoA17.6	612
Ben Chabane, Sofiane.....	WeB05.6	6533
Ben Hassen, Wafa.....	ThB16.5	9593
Benchaib, Abdelkrim.....	MoA15.3	523
.....	MoA15.6	540
Bender, Frank Alexander.....	ThC23.2	10682
Bendtsen, Jan Dimon.....	MoC01.4	1879
.....	TuB12	CC
.....	WeB19.4	7019
Benecke, Wolfgang.....	MoB11.3	1308
Benemann, Arthur.....	FrB21.2	12272
Bengtsson, Kristofer.....	ThC25.4	10754
Benitez-Gonzalez, Ivon.....	WeA10.4	5760
Benkhoris, Mohamed-Fouad.....	FrB12.2	11950
Bennett, Daryl.....	MoA01.2	7
Benosman, Mouhacine.....	MoA11	CC
.....	MoA11.5	401
.....	MoB11	CC
.....	WeA06	CC
.....	WeA06.1	5592
Benoudjit, Nabil.....	ThB09.6	9353
Bentaha, Mohand Lounes.....	TuA22.4	3522
Benyo, Balazs.....	TuA24.6	3593
.....	WeA07	O
.....	ThC07	C
.....	FrA25.2	11595
Benyoucef, Lyes.....	MoA22.6	772
Benzaouia, Abdellah.....	TuB21.1	4304
Benzineb, Omar.....	FrB03.3	11659
Bequette, B. Wayne.....	MoA07	CC
.....	MoA07	O
.....	MoA07.4	243
Berdjag, Denis.....	TuA23.4	3545
Berekmeri, Mihaly.....	MoA05.2	152
Berenguel, Manuel.....	MoA05.5	170
.....	TuB24.2	4411
.....	TuC10.6	4903
.....	WeC24.3	8116
.....	FrB20.4	12243
.....	FrB20.5	12249
Beresnev, Aleksey.....	WeA25.6	6289
Beresnev, Maksim.....	WeA25.6	6289
Bergamasco, Marco.....	ThA19	C
.....	ThA19.6	8861
Bergh, Luis.....	MoC25	CC
.....	FrA22	C
.....	FrA22.1	11488
Bermejo, Julita.....	MoA20.1	683
Bernal, Miguel.....	WeC20.2	7970
.....	WeC20.6	7994
Bernard, Olivier.....	TuB23.2	4376
.....	TuC24.5	5321
.....	WeA23.5	6216
.....	WeB23.6	7152
Bernard, Pauline.....	WeC14.1	7755
Bernardi, Andrea.....	TuB23.1	4370
Bernatova, Iveta.....	FrA25.1	11589
Berner, Josefin.....	FrA16.3	11288
Berntorp, Karl.....	WeA25.11	6319
.....	ThC08.1	10174
Bernuau, Emmanuel.....	ThA02.3	8235
Bernus, Peter.....	TuA16	CC
.....	TuA16.3	3300
Berrah, Lamia.....	WeC22	CC
.....	WeC22.1	8036
Bertram, Torsten.....	MoA09	C
.....	MoA09.4	320

.....	.TuA09	CC
.....	.TuA09.3	3036
.....	.ThB23.2	9822
Besancon, Gildas.....	.MoA03.1	73
.....	.TuC19.1	5163
.....	.WeA06.6	5623
.....	.WeB12	CC
.....	.WeB12.4	6776
Beschi, Manuel.....	.TuB24.2	4411
.....	.WeA10.5	5766
.....	.ThA25.7	9051
Besset, Romain.....	.ThB25.6	9907
Bethoux, Olivier.....	.MoC08.4	2125
.....	.ThA12.2	8588
Betke, Margrit.....	.TuC23.3	5276
Bettayeb, Maamar.....	.TuA05.4	2903
.....	.TuB16.3	4146
.....	.TuC15.2	5023
Bezzo, Fabrizio.....	.TuB23	C
.....	.TuB23.1	4370
Bharani Chandra, Kumar Pakki.....	.ThB03.1	9141
Bhattacharyya, Abhijit.....	.TuB09.4	3954
Bhattacharyya, Shankar P.....	.WeB05.1	6502
.....	.ThB11.1	9394
Bhaya, Amit.....	.WeB20	C
.....	.WeB20.1	7031
Bhikkaji, Bharath.....	.WeA17	CC
.....	.WeB02.4	6412
Bi, Wenjian.....	.TuA14.3	3220
Bianco, Rohan Jean.....	.ThB25.6	9907
Bibuli, Marco.....	.TuA18	CC
.....	.TuA18	O
.....	.TuB18	CC
.....	.TuB18	O
.....	.TuB18.1	4209
.....	.TuB18.6	4240
.....	.TuC18	CC
.....	.TuC18	O
.....	.ThB18	C
.....	.FrB18	O
.....	.FrB18.5	12182
Bicchi, Antonio.....	.WeC09.6	7610
Bideaux, Carine.....	.WeA23.2	6198
.....	.WeA23.4	6210
Biegel, Benjamin.....	.ThC01.4	9942
.....	.ThC01.5	9950
Biamond, J. J. Benjamin.....	.FrA08.3	11006
Bigharaz, Mohammad Hossein.....	.WeA25.3	6270
Bijl, Hildo.....	.ThC15.1	10391
Bin Mardi, Nor Azizi.....	.MoC24.6	2703
Binetti, Giulio.....	.TuA12.2	3140
Bini, Enrico.....	.WeA20.2	6098
Biral, Francesco.....	.WeC08.4	7559
Bishop, Adrian.....	.ThA14.2	8662
.....	.ThA14.5	8681
.....	.ThC08.5	10200
Bisone, Luigi.....	.TuB10.6	3998
Bistak, Pavol.....	.ThA25.1	9013
Bitmead, Robert.....	.MoA05	C
.....	.MoA05.6	176
.....	.MoA14.4	493
.....	.WeB03	C
.....	.WeB03.1	6430
Bitsoris, George.....	.TuA06.3	2933
.....	.TuB11.1	4004
Bittanti, Sergio.....	.MoC15	C
.....	.MoC15.3	2358
.....	.TuB10.6	3998
.....	.ThB10.3	9370
Bittencourt, André C.....	.WeC03.3	7367
.....	.ThA03.5	8286
Bjerkkan, Eilert.....	.ThB12.6	9456
Björkqvist, Jerker.....	.FrA01.6	10802
Björkqvist, Tomas.....	.MoB12.5	1355
Blaha, Lukas.....	.TuB06.4	3845
Blaich, Michael.....	.ThB18.6	9673
Blanchini, Franco.....	.MoB17.2	1507
Blanco Vinuela, Enrique.....	.TuA17.3	3333
Blandin, Sebastien.....	.TuC17.4	5109

Blank, Mathias.....	WeB24.6	7190
Blanke, Mogens	WeB11.4	6741
.....	ThA18	CC
.....	ThB01.5	9093
.....	ThB18	CC
.....	ThB18.3	9654
.....	ThC19.5	10555
Blasco, Xavier	WeC25.5	8158
.....	ThC11.3	10263
Blazic, Saso	TuA19	CC
.....	TuA19.1	3395
.....	TuC25.11	5387
Blázquez, L. Felipe.....	MoA03.6	104
.....	MoB10.6	1290
.....	ThA24	C
.....	ThA24.1	8983
Blech, Jan Olaf	TuA17.3	3333
Bleimund, Felix.....	TuC03.3	4637
Blesa, Joaquim.....	TuB21.4	4322
.....	TuC24.3	5309
.....	ThA25.3	9026
Bliman, Pierre-Alexandre J	WeB20.1	7031
Blind, Rainer.....	WeB04.1	6466
Bloch, Gerard.....	WeB08.6	6636
Bø, Torstein Ingebrigtsen.....	ThB11.4	9412
Boada Bauxell, Josep	TuA21.1	3471
Bobiti, Ruxandra Valentina	ThA13	C
.....	ThA13.2	8623
Bobtsov, Alexey	MoB11.2	1302
.....	TuA07.1	2951
.....	ThA25.9	9063
.....	FrA16.4	11294
.....	FrB16.4	12104
.....	FrB16.5	12110
Bocewicz, Grzegorz	ThA22.5	8939
Bock, Hans Georg.....	FrA10.5	11087
Boel, Rene K.	WeA01.5	5432
Bogaerts, Philippe	MoB07.5	1170
Böhm, Timo.....	MoA19.4	665
Bohn, Christian.....	WeC08.6	7572
Boiroux, Dimitri.....	MoA07.2	231
Boje, Edward.....	MoC15.2	2353
.....	MoP22	C
.....	MoP33	C
.....	ThA19.1	8831
.....	FrB19.4	12208
Bokor, Jozsef	MoA21	CC
.....	MoA21.1	718
.....	TuA21.2	3477
Boling, Jari M.	ThB10.5	9382
Bolzani, Luca.....	ThB10.3	9370
Bolzern, Paolo.....	TuB13	C
.....	TuB13.4	4080
Bombois, Xavier.....	MoC14.4	2335
Bonafilia, Brian	MoA22.1	748
Bones, John Atle	TuC10.4	4891
Bonfe, Marcello	ThC09.1	10213
Boniolo, Ivo	ThA08.1	8439
Bonnet, Catherine	WeC07.5	7529
Bonnet, Stephane	TuA07.3	2963
Bonvin, Dominique	WeC10	C
.....	WeC10.2	7622
.....	FrA10.4	11080
Bonvini, Marco	FrB01.3	11629
Bonyan Khamseh, Hossein.....	MoB09.5	1247
Book, Wayne J.	ThB06	C
.....	ThB06.1	9209
Borchersen, Anders	TuB21.3	4316
.....	WeB12.3	6770
Borggaard, Jeff.....	MoA17.6	612
.....	WeC14	C
.....	WeC14.4	7773
.....	WeC14.5	7779
Borisov, Oleg.....	FrB16.4	12104
.....	FrB16.5	12110
Bornschlegl, Eric	ThC19.3	10543
Borowczyk, Hamish.....	ThC07.1	10138
Borrell, Amparo	ThA10.4	8528
Borrelli, Francesco	WeA25.8	6301

Borren, Guy Leonard.....	TuC07.1	4772
.....	TuC07.2	4778
.....	ThB25.5	9901
Borsche, Theodor Sebastian.....	TuB12.3	4038
.....	WeC01.2	7290
.....	ThC12.3	10299
Bortoff, Scott.....	TuB06.5	3851
Bose, Tanmoy.....	ThA21.2	8885
Botelho, Silvia.....	WeB22.3	7110
Bottegal, Giulio.....	MoB03.6	1073
.....	MoC14.2	2323
Bottelli, Stefano.....	WeC08.3	7553
.....	ThA08.1	8439
Bouarab, Amine.....	WeB23.2	7128
Bouaswaig, Ala Eldin.....	FrA10.6	11093
Bouazza, Kheir Eddine.....	WeB04.6	6496
Bouchair, Nabil.....	WeB21.4	7085
Bouchenak, Sara.....	MoA05.2	152
Boucherit, Mohamed Seghir.....	FrB03.3	11659
Boudaoud, Mokrane.....	WeC06.5	7492
Boudjlida, Nacer.....	MoC16.1	2382
Bouffaron, Fabien.....	FrB22.4	12317
Bouhana, Amna.....	TuB17.5	4196
Boulangier, Anne-Céline.....	WeA23.5	6216
Bououlid Idrissi, Badr.....	MoB13.3	1380
Bourdais, Romain.....	FrB15.3	12062
Boussaada, Islam.....	TuC19.2	5169
.....	WeB13.3	6806
.....	WeC02.2	7324
Boussard, Clément.....	ThB03.3	9152
Boutat, Driss.....	ThB03.4	9159
Boverie, Serge.....	WeA25.15	6344
Bowkett, Mark.....	ThA12.5	8610
Boyer, Mark D.....	MoB19.2	1568
.....	TuB02.5	3702
.....	TuC21.5	5223
Bozonnet, Pauline.....	WeC12.5	7710
Bošnjak, Matevž.....	TuA19.1	3395
Braatz, Richard D.....	MoB05.5	1102
.....	TuB14.2	4103
.....	WeB21.3	7079
.....	ThB15.4	9551
Braga, Marcio F.....	TuC15.6	5049
Brandt, Heiko.....	FrA10.6	11093
Braslavsky, Julio H.....	TuB13.5	4085
.....	ThC01.1	9924
.....	ThC01.2	9930
Bratcu, Antoneta Iuliana.....	TuB08.2	3905
Braunl, Thomas.....	MoC23.4	2652
.....	ThA08.4	8457
Brazil, Marcus.....	TuB08.5	3924
.....	WeA01.4	5426
.....	WeC17.4	7879
Brdys, Mietek.....	TuB19.1	4246
.....	ThB16	C
.....	ThC16	CC
Brear, Michael.....	FrB08.3	11848
Breck, Damien.....	TuB25.2	4447
Breitholtz, Claes.....	ThA01.4	8202
Brembeck, Jonathan.....	FrB14.2	12016
Bremond, Sylvain.....	MoB12.4	1349
.....	FrA19.3	11398
Brendle, Christian.....	WeB07.5	6593
Bresch-Pietri, Delphine.....	FrA19	CC
.....	FrA19.2	11391
.....	FrA19.5	11410
Breton, Marc D.....	MoA07.3	237
Bright, Glen.....	ThC09.3	10225
Brilhac, Jean-François.....	MoB20.6	1625
Bristeau, Marie-Odile.....	WeA23.5	6216
Brogliato, Bernard.....	MoB17.3	1513
Brooks, Kevin Seth.....	MoB10	C
.....	MoB10.4	1278
.....	FrB20.1	12226
Broomhead, Timothy James.....	FrB08.3	11848
Brot, Patrice.....	ThC19.6	10562
Brouri, Adil.....	MoA14.1	475
.....	ThC03.6	10030
Brunner, Elisabeth.....	TuA15.5	3268

Brunner, Florian David	FrA10.1	11060
Bruno, Sergio	MoC16.3	2394
Bruzzo, Gabriele	TuB18.1	4209
	TuB18.6	4240
	FrB18.5	12182
Bryntseva, Tatiana	FrA13.1	11165
Buchholz, Michael	TuB25.14	4523
	FrB14.6	12042
	FrB22.5	12325
Buchner, Denzil	FrB19.1	12188
Buckingham, Bruce	MoA07.4	243
Bucz, Stefan	TuC11.1	4909
	TuC11.5	4933
Budman, Hector M.	WeB21	CC
	WeC03.6	7388
	ThA03	CC
Bugariu, Ioan Florin	FrA18.4	11369
Bukchin, Yossi	WeA22	O
Bunte, Tilman	FrB14.2	12016
	FrB14.3	12023
Buonocore, Luca Rosario	MoB09.3	1234
Burden, Sam	FrA03.1	10844
Burette, Marc-Axel	FrB17.3	12128
Burgess, Stuart	WeA14.4	5908
Burke, Brendan	WeB10.6	6716
Burks, Thomas	WeC24.2	8110
Burlion, Laurent	MoA16.1	546
	TuA19.4	3413
Burnham, Keith J.	FrA14.2	11207
Burns, John A.	FrB03	C
	FrB03.6	11679
Burschka, Darius	MoC23.2	2640
Busawon, Krishna K.	ThB03.4	9159
Busoni, Lucian	MoC02.4	1910
Bussel, James	FrB07.1	11800
Bustillos, Aaron Manuel	TuB24.5	4429
Butez, Antoine	MoC17.1	2414
Butyrin, Sergey	WeC19.3	7941
C		
Caballini, Claudia	TuC17.6	5121
	ThB16.3	9581
Cabello Ortega, Alan Mariano	FrA04.4	10902
Cacace, Filippo	MoC15.5	2370
	TuB03.6	3745
	TuC25.6	5357
	ThB15.1	9534
Caccavale, Fabrizio	MoB06.1	1108
	FrA09.5	11049
Caccia, Massimo	TuA18.5	3382
	TuB18.1	4209
	TuB18.6	4240
	FrB18.5	12182
Cadet, Catherine	WeB23.3	7134
	FrA21.6	11482
Caharija, Walter	TuB18.1	4209
	FrB18.3	12166
Cai, Chengtao	WeA09.4	5721
Cai, He	MoA08.6	293
Cai, Jianping	FrA02.2	10814
Cai, Xin	MoC02.5	1916
Caines, Peter E.	ThA15.3	8705
	ThB17.5	9629
Caiti, Andrea	TuA18.3	3370
Calafiore, Giuseppe	TuA14	CC
	TuA14.6	3238
	TuB14	C
	WeC25	CC
Calderon, Felix	TuC01.5	4578
Calderone, Daniel	ThA24.4	9001
Caldwell, Darwin G.	ThA06.4	8384
Califano, Claudia	WeA05	CC
	WeA05.5	5580
Caliskan, Fikret	FrB19.6	12220
Calle-Ortiz, Eduardo Robinson	TuC25.1	5327
Calvet, Jean-Louis	MoC11.4	2231
Camacho, Eduardo F.	MoB08.2	1188
	WeB05.6	6533
	WeC13.5	7741
	ThB19.5	9703

Camacho, Nahum	MoB09.1	1222
Camargo, Mauricio	ThA17.2	8768
Cambera, Juan Carlos	ThA06.6	8397
Cameron, Fraser	MoA07.4	243
Camisani-Calzolari, Ferdinando Roux	TuP22b	C
Campi, Marco	TuA03	C
	FrA16	C
	FrA16.1	11275
Can, Pehlivanurk	FrB04.6	11715
Canevese, Silvia	TuB10	C
	TuB10.6	3998
	ThB10	CC
	ThB10.3	9370
Cannon, LaMont	MoA23.1	784
Cannon, Mark	MoB18	C
	MoB18.1	1537
	MoC13.3	2291
	FrB13.5	11998
Cano Marchal, Pablo	ThA22.2	8921
	ThB09.2	9327
Cansever, Galip	FrB17.5	12140
Cao, Ming	ThA04.5	8323
	ThC04.2	10042
Cao, Wei	WeB21.5	7091
Cao, Xi-Ren	WeC15	C
	WeC15.1	7785
Cao, Xianghui	MoB25.12	1843
	WeA04.5	5544
Cao, Yi	WeC10.1	7616
Cao, Zhixing	TuA10.6	3092
Caporale, Danilo	WeC02.3	7330
Caramagno, Augusto	ThC19.1	10529
Caramihai, Simona Iuliana	MoA24.1	821
Carboni, Daniela	WeC23.3	8085
Caricato, Pierpaolo	MoA22.2	754
Carli, Ruggero	WeC04.1	7394
Carlsson, Bengt	WeB23.5	7146
Carlsson, Pontus	MoA22.1	748
Carnevale, Claudio	TuC24.1	5296
Carnevale, Daniele	MoB17.4	1519
	MoB17.6	1531
Carr, Andrew	MoB10.4	1278
Carrasco, Diego S.	MoC07.3	2082
Carravetta, Francesco	ThB15	CC
	ThB15.2	9540
Carreras, Marc	FrB18.1	12146
Caruntu, Constantin - Florin	ThC13.3	10337
Carvajal, Rodrigo	ThC03.1	9998
Carvalho, Ashwin	WeA25.8	6301
Carvalho, PAulo	ThA07.3	8415
Casalino, Giuseppe	TuA18.1	3358
	TuA18.4	3376
Casati, Emiliano	TuC12.6	4972
Casavola, Alessandro	WeA24.1	6228
	ThB11	C
	ThB11.2	9400
	ThB11.3	9406
	FrA04	CC
Casella, Francesco	MoA12.1	407
	TuC12.6	4972
	WeC11	C
	FrA01.5	10796
Caselli, Stefano	TuA18.6	3388
Casenave, Céline	WeA23.1	6192
Casini, Marco	MoB25.3	1790
Caspar, Maurice	ThC12.5	10311
Cassandras, Christos G.	TuB12.6	4056
	ThB17	C
	ThB17.2	9611
Cassar, J.P.	TuB05.2	3797
	ThA21.2	8885
Cassidy, Ian	TuC06.6	4766
Castagnetti, Erica	TuB22.5	4364
Castaldi, Paolo	TuA13.3	3184
	TuB21.2	4310
	ThA19	CC
Castañeda Toledo, Eduardo	TuC05.3	4709
Castaño, Juan Alejandro	ThA06.4	8384
Castaños, Fernando	MoB13.4	1386

Castelan, Eugenio B.	TuA13.5	3196
	FrA08.2	11000
Castelletti, Andrea	WeA24.2	6234
	WeA24.5	6252
Castillo, Pedro	ThA19.4	8849
Castillo Garcia, Fernando	MoB12.2	1337
	WeA10.4	5760
	ThC22.6	10670
Castillo-Berrio, Claudia F.	TuC06.1	4733
Castro, Emiliano Gonçalves	TuC22.6	5258
Castro-Linares, Rafael	ThA19.4	8849
Cauffet, Gilles	FrA21.6	11482
Caussanel, Matthieu	FrB15.6	12080
Cauvin, Aline	MoA22.4	760
Cavaliere, Sergio	WeB22.4	7116
Cavallo, Alberto	WeC09	C
	WeC09.2	7585
	WeC09.3	7592
Cea Garrido, Mauricio Esteban	ThC03.1	9998
	ThC13.4	10343
Cecchinato, Luca	MoC03.5	1953
Cech, Martin	ThC20.3	10580
	ThC21.4	10622
Cecil, J.	TuA16	O
Celikovsky, Sergej	MoA17.2	587
	TuA02	C
	TuA02.5	2818
Cembrano, Gabriela	WeA24.4	6246
Cen, Lihui	ThC15.6	10421
	ThC17.2	10469
Cenedese, Angelo	WeC04.1	7394
	ThC13.5	10349
	FrA04.6	10914
Cepeda, Jaime Cristóbal	ThB01.3	9081
Cerquera, Juan	FrB09.1	11872
Cervin, Anton	WeA20.2	6098
Cetinkaya, Ahmet	WeC25.3	8146
Chaabane, Mohamed	ThC05.1	10072
Chachuat, Benoit	TuB23.1	4370
Chacón, Jesús	ThA25.7	9051
Chafik, Abdellatif	WeB24.3	7170
Chai, Joyce	FrB06.2	11767
Chai, Tianyou	MoA10.1	338
	MoC25.6	2740
	ThA10.1	8516
	ThA21.4	8897
	ThC16.2	10433
Chakaroun, Mohamad	TuB22.1	4340
Chakirov, Roustiam	ThB06.6	9241
Chakraborty, Aranya	MoC01.1	1861
Chalon, Maxime	MoA06.6	217
Chamaillard, Yann	TuB08	O
	TuC08	O
Chamaillard, Yann	TuC08	C
Chamaillard, Yann	TuC21.4	5217
	WeB08.6	6636
Chan Shin Yu, Kate	FrB15.3	12062
Chang, Jing-Xie	WeA21.3	6135
Chang, Michael	MoB16.4	1489
Chang, Yafei	MoC19.4	2515
Chang, Yu-Chun	WeC07.3	7517
Chang, Zheng	FrB22.6	12331
Chang-Siu, Evan	MoC09.1	2147
Chanti, Houda	MoB20.6	1625
Chaoui, Fatima-Zahra	MoA14.1	475
	MoA16.6	575
	TuA14.2	3214
	ThC03.6	10030
Chaplais, Francois	TuC08.1	4807
Chappell, Michael	TuC07	O
Charara, Ali	ThB23.5	9840
Charbonnel, Catherine	ThC19.3	10543
Charbonnier, Sylvie	TuA07.3	2963
	WeB21.4	7085
Charlet, Alain	TuC21.4	5217
	WeB08.6	6636
Chase, J. Geoffrey	MoB07.6	1176
	MoC07.6	2100
	TuA24	O

	TuA24.4	3581
	TuB07	O
	TuB07.2	3869
	TuB07.3	3875
	TuB07.4	3881
	TuC07.3	4784
	TuC07.5	4796
	WeA07	CC
	WeA07	O
	WeA07.1	5629
	WeA07.3	5641
	WeA07.4	5647
	WeA07.6	5659
	ThA07.1	8403
	ThB25.7	9913
	ThC07	CC
	ThC07.1	10138
	ThC07.3	10150
	ThC07.5	10162
	ThC07.6	10168
	FrA07.3	10970
	FrA07.4	10976
	FrA07.5	10982
	FrA25	CC
	FrA25.2	11595
Chauvin, Rémi	ThC14.1	10361
Chazalon, Frédéric Laurent	WeB23.6	7152
Cheded, Lahouari Cheded	WeA03.2	5491
Chehrazi, Payam	ThC25.4	10754
Chelouah, Rachid	TuB09.1	3936
Chen, Changsheng	TuA01.4	2776
Chen, Chen	ThC15.4	10409
Chen, Cheng-Lun	WeA21.3	6135
Chen, Chevy	TuA22.3	3516
Chen, Chih-Chieh	WeA21.3	6135
Chen, Chun-Lin	MoA06.4	204
	MoB24.3	1754
Chen, Chunlin	WeA16.2	5963
Chen, David	TuB20	O
	TuB20.6	4298
Chen, Dijian	WeA18	CC
	WeA18.4	6044
Chen, Dong	MoB01.2	969
Chen, Fengwei	ThC14.4	10379
Chen, Gang	ThA23.3	8965
Chen, GuangRong	MoC09.4	2165
Chen, Guanrong	FrA14.5	11225
Chen, Hong	WeA13.6	5884
Chen, Jian	TuA02.1	2794
	TuB23.3	4382
Chen, Jie	MoA08.5	287
Chen, Jie	TuB04.4	3770
	TuC04.4	4681
Chen, Jie	ThB21	C
	ThB21	O
	ThB21.5	9774
Chen, Jiming	MoA04.4	128
	MoB08.1	1182
	MoB25.12	1843
	WeA04.5	5544
Chen, Jing-Jie	TuB17.6	4201
Chen, Junghui	ThA03.3	8272
Chen, Lei	TuC02	CC
	TuC02.2	4595
Chen, Lei	ThB10.6	9388
Chen, Lejun	TuA21.5	3497
Chen, Liangliang	WeC06.4	7486
Chen, Maoyin	WeB15.1	6870
Chen, Michael Z.Q.	ThC17.6	10493
	FrA14.5	11225
Chen, Philip	TuC17.5	5115
	ThB24.1	9847
	ThB24.2	9853
Chen, Qiang	TuC05.5	4721
Chen, Shaodong	WeA15.5	5945
Chen, Tianshi	MoB03.2	1047
Chen, Tongwen	WeB17	C
	WeB17.1	6935
	ThA04.1	8299

.....	.ThC21	CC
.....	.ThC21.1	10604
Chen, Weidong .....	.FrB09.3	11884
Chen, Weijie.....	.MoC25.8	2752
Chen, Xi .....	.ThC16.4	10445
.....	.FrA08.1	10994
Chen, Xiang .....	.MoC06.5	2064
.....	.ThC06.5	10126
Chen, Xin .....	.WeA03.4	5503
Chen, Xinkai.....	.TuC16	C
.....	.TuC16.4	5073
Chen, Xisong.....	.ThC02.2	9968
Chen, Xu .....	.WeB14.3	6843
.....	.WeB25.5	7214
Chen, Xue-Bo.....	.TuC25.5	5351
Chen, YangQuan .....	.MoB09	C
.....	.MoB09.6	1254
.....	.MoC05	CC
.....	.MoC05.2	2010
.....	.TuA05.3	2897
.....	.TuC25.8	5369
.....	.WeA19.4	6080
Chen, Yangyang .....	.ThB18.1	9643
Chen, Yao .....	.ThA16.2	8737
Chen, Yen-Wei.....	.TuA24.3	3575
Chen, Yijing.....	.MoA15.6	540
Chen, Yiming.....	.ThA23.2	8959
Chen, Yousu .....	.MoA15	CC
.....	.FrA01	C
.....	.FrA01.1	10772
Chen, Yun .....	.FrA13.4	11183
Chen, Zhen .....	.MoA13.5	463
Chen, Zhiwen .....	.ThA03.1	8259
.....	.ThC21.5	10628
.....	.ThC21.6	10634
Chen, Zhiyong.....	.MoB06.6	1140
Cheng, Chih-Chiang.....	.MoB13.6	1398
Cheng, Daizhan .....	.MoA08	C
.....	.MoA08	O
.....	.MoA08.3	275
.....	.MoA08.4	281
Cheng, Long.....	.MoB25.9	1825
Cheng, Peng .....	.MoA04.4	128
.....	.MoB08.1	1182
.....	.MoB25.12	1843
Cheng, Po Wen .....	.WeA12.2	5820
Cheng, Qifeng.....	.MoC13.3	2291
Cheng, Yingying.....	.ThC02.2	9968
Cheng, Yu .....	.FrB06.2	11767
Cheong, Seunggyun .....	.MoB14.6	1434
Chepinskiy, Sergey .....	.WeC02.5	7342
.....	.ThA25.9	9063
Cherfi-Boulanger, Zohra.....	.MoB25.4	1796
Cherifi, Abdelmadjid.....	.WeC20.5	7988
Chernyshov, KirillThA22.1	8915
Cherubini, Giovanni.....	.WeA14	C
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.....	.WeB14	C
.....	.WeB14	O
.....	.WeB14.4	6849
Chesi, GrazianoWeA05	C
.....	.WeA05.3	5568
Chevalier, Amélie.....	.ThB07.4	9265
Chevrel, Philippe.....	.MoC12.3	2260
.....	.WeB05.4	6520
Chevrié, Mathieu.....	.MoC05.4	2022
Chien, Shih-Hsiang.....	.MoB13.6	1398
Chiew, Yeong Shiong.....	.MoB07.6	1176
.....	.TuA24	O
.....	.TuA24.4	3581
.....	.TuB07.3	3875
.....	.TuC07.3	4784
.....	.WeA07.1	5629
.....	.WeA07.4	5647
.....	.WeA07.6	5659
.....	.ThA07.1	8403
.....	.ThC07.1	10138
Chimienti, Michela.....	.MoC16.3	2394
Chinde, Venkatesh.....	.WeA02.6	5479

Chingozha, Tinashe	WeC08.5	7566
	FrA09.4	11043
Chirinos, Jose Miguel Manzanares	TuA24.2	3569
Chisci, Luigi	WeA04.1	5520
Chiu, Chi-Cheng	MoB13.6	1398
Chiu, Chih-Chiun	WeB10.4	6704
Chiu, George T.-C.	MoC06	O
	WeB25.4	7208
Cho, Dong-il Dan	ThA06.3	8378
Cho, Jang Ho	ThC09.4	10230
Cho, Namhoon	MoC19.2	2503
Choi, Dae Hee	TuC01.2	4560
Choi, Han-Lim	MoA25.8	888
Choi, Jungsu	WeB25.10	7246
Choi, SangYule	ThC01.3	9936
Choi, Seibum	ThC23	O
	FrB08	O
Chomiak-Orsa, Iwona	FrA20.5	11444
Chorin, Alexandre Joel	WeB18.6	6994
Chou, Chia-Yu	TuC12.1	4939
Choudhury, M.A.A. Shoukat	WeA16.1	5957
Christiansen, Lars	TuA20.5	3456
Christie, Christopher	MoA23.2	790
Chu, Jian	WeC18.1	7892
	FrA04.3	10894
Chu, Yaqi	TuA07.6	2981
Chuma, J	WeA08.1	5665
Chung, Chung Choo	WeA14.3	5902
	ThC23.6	10706
	FrB14.5	12035
Chuquet, Karine	TuC24.3	5309
	FrA11.2	11105
Churilov, Alexander	TuA17.4	3340
Ciancarelli, Francesco	WeC17.1	7861
Cieslak, Jérôme	ThC19.4	10549
	FrA11	CC
	FrA11.4	11117
Cieslar, Dariusz	TuA08.1	2987
Cinar, Ali	MoA07	C
	MoA07.5	O
	MoA07.5	249
	FrB03.2	11653
Cindea, Nicolae	FrA18.4	11369
Cintora, Antonio	FrA20.3	11431
Cipriano, Aldo	ThB17	CC
	ThB17.4	9623
	ThC22.5	10664
	FrA22.5	11512
Cirillo, Andrea	WeC09.2	7585
	WeC09.3	7592
Cirillo, Pasquale	WeC09.2	7585
	WeC09.3	7592
Cirka, Lubos	ThA25.8	9057
Cisse, Abdoul Karim	ThA24.3	8995
Clairambault, Jean	WeC07.5	7529
Clark, Adrian	TuA24.4	3581
Claveau, Fabien	MoC12.3	2260
Clemente, Monica	MoA25.14	918
Clerc, Sebastien	ThC19.2	10535
Clermont, Gilles	FrA07.6	10988
Cliff, Eugene	MoA17.6	612
	FrB03.6	11679
Clifford, Ivor David	ThB13.2	9468
Clipici, Dragos Nicolae	FrA12.4	11147
Cliville, Vincent	WeC22.1	8036
Cobelli, Claudio	MoA07.6	255
	MoC03.3	1941
	MoC07.1	2070
	ThC07.2	10144
	FrB07	C
Cobos Torres, Edison Orlando	WeC23.5	8097
Cocquempot, Vincent	MoC03.6	1959
	WeB11	C
	WeB11.2	6728
	ThA11	CC
	ThA11.6	8576
Coelho, Antonio Augusto Rodrigues	MoA11	C
	MoB11.4	1314
	ThC20.2	10574

Coelho, Leandro Dos Santos.....	MoC20.2	2539
Coetzee, Lodewicus Charl.....	.ThB22	CC
.....	.ThB22.1	9786
Cofano, Giuseppe.....	.TuA17.1	3321
Colaneri, Patrizio.....	.MoB17.2	1507
.....	.TuB13.4	4080
.....	.WeC02	CC
.....	.WeC02.3	7330
Colin, Guillaume.....	.TuB08	CC
.....	.TuC21.4	5217
.....	.WeB08.6	6636
Colizzi, Lucio Nicola.....	.MoA22.2	754
Collart-Dutilleul, Simon.....	.ThA16	C
.....	.ThA16.1	8731
.....	.ThA22.6	8947
Colledanchise, Michele.....	.ThB04.4	9190
Collings, Nick.....	.TuA08.1	2987
Colmegna, Patricio Hernán.....	.ThB07.2	9253
Colnarić, Matjaz.....	.ThA20	C
.....	.ThA20.1	8867
Colonna, Piero.....	.TuC12.6	4972
Coluccia, Angelo.....	.WeC04.3	7406
Combastel, Christophe.....	.ThA03.2	8265
Combe, Charlotte.....	.WeA23.5	6216
Como, Giacomo.....	.MoB25.13	1849
Conceicao, Andre Gustavo Scolari.....	.WeA09.1	5703
Condomines, Jean Philippe.....	.ThA06.1	8365
Cong, Binglong.....	.MoA13.5	463
Cong, Shuang.....	.WeB15.2	6878
.....	.ThC02.6	9991
Congedo, Paolo Maria.....	.WeC17.1	7861
Conrard, Blaise.....	.WeC23.6	8103
Constantinides, George A.....	.TuA06.4	2939
Conte, Francesco.....	.TuB01.1	3645
.....	.TuB03.6	3745
Conte, Giuseppe.....	.MoA05.4	164
.....	.MoB17.1	1501
.....	.TuC25	C
Contreras, Javier.....	.TuB12.5	4050
Copot, Cosmin.....	.FrB09.1	11872
Copot, Dana.....	.TuC25.7	5363
.....	.ThB07.6	9277
Coppi, Stephen.....	.FrA01.4	10790
Corazzol, Chiara.....	.MoC03.5	1953
Cordes, Ann-Kristin.....	.WeB22.3	7110
Corniere, Alberic.....	.WeC16.2	7831
Corno, Matteo.....	.MoA25.13	912
.....	.WeA25.7	6295
.....	.WeC08.3	7553
Coronel, Javier O.....	.FrB21.5	12293
Corradini, Maria Letizia.....	.MoC05.6	2034
.....	.WeC13	CC
.....	.WeC13.6	7749
Correia, Pedro F.....	.TuB12.5	4050
Cortet, Emmanuel.....	.TuA21.1	3471
Costa, Carlos S.....	.MoC22.4	2617
Costa, Hugo Andre.....	.TuA21.1	3471
Costa, Oswaldo Luiz V.....	.FrA11.1	11099
Costa, Ramon R.....	.ThA09	C
.....	.ThA09.4	8496
Costa-Castelló, Ramon.....	.ThA25.3	9026
.....	.FrA22.2	11494
Costanzi, Riccardo.....	.TuA18.3	3370
Costello, Sean.....	.FrA10.4	11080
Couffin, Florent.....	.ThA16.1	8731
Coupat, Raphaël.....	.FrB17.3	12128
Courtial, Estelle.....	.ThC24.4	10731
Coutinho, Daniel.....	.ThA15.6	8725
.....	.ThC05.3	10084
Coutinho, Fernando.....	.ThA09.6	8509
Cox, Nicholas.....	.MoB17.5	1525
Craig, Ian.....	.TuB10.2	3973
.....	.WeC07.2	7511
.....	.ThB22.2	9792
.....	.ThB22.4	*
.....	.ThB22.5	9804
.....	.FrA22.3	11500
Crainic, Emmanuel D.....	.MoA12	CC
.....	.MoB12	C

.....	WeC01	C
.....	WeC01	O
Crasta, Naveena	TuB18.2	4215
.....	TuB18.3	4222
Creff, Yann	WeC12.5	7710
Crespo, Alfons.....	FrB21	CC
.....	FrB21.1	12261
.....	FrB21.5	12293
Crisculo, Ferdinando.....	TuA11.2	3104
Cristofaro, Andrea.....	WeC13.6	7749
.....	FrA18	C
.....	FrA18.5	11375
Cruz Zavala, Emmanuel.....	ThA13.4	8636
Csáji, Balázs Csanád.....	TuB01.4	3663
.....	TuB19.1	4246
Cuadrado, Abel A.....	FrA15.4	11257
Cui, Baotong	WeB04.5	6490
Cui, Rongxin.....	ThC04.6	10066
Cui, Xue	FrA01.2	10778
Cunha, Jose Paulo V. S.....	TuC02.6	4619
Curtis, Jess	TuC16.5	5079
Cury, Jose E. R.....	MoC17	CC
.....	MoC17.4	2435
Cusimano, Valerio.....	ThB15.1	9534
Cyplik, Piotr	TuB25.5	4465
Cyplik, Piotr	TuB25.18	4547
Cyran, Krzysztof.....	FrA23.6	11547
Czajkowski, Andrzej.....	FrA16.6	11305
Czornik, Adam.....	FrB05.4	11740
Czyronis, Przemyslaw.....	MoC05.1	2003
D		
D'Agostino, Mario.....	WeB08.3	6618
D'Alfonso, Luigi	ThC08.2	10182
D'Andrea, Raffaello.....	FrA16.2	11281
D'Andrea-Novell, Brigitte.....	MoA06.6	217
.....	MoA19.3	659
.....	WeB02.6	6424
.....	ThB23.4	9834
D'Innocenzo, Alessandro	WeB04.2	6472
da Costa Mendes, Paulo Renato	MoB02.2	1011
da Silveira Castro, Rafael	MoB06.3	1120
Daachi, Boubaker.....	TuC02.4	4607
Daafouz, Jamal	WeB04.3	6478
Dabade, Balaji.....	WeA22.2	6168
Dabbene, Fabrizio.....	ThC13	C
.....	ThC13.1	10325
Dabiri, Azita.....	FrA17.5	11338
Dabladji, Mohammed El-Habib	TuA02.3	2806
Daepf, Hannes	ThB06.1	9209
Dagen, Matthias	ThA11.3	8558
Dahinden, Michael	ThC08.6	10207
Dahleh, Munther A.....	TuB04.1	3751
Dahlin, Johan	MoB14.1	1404
.....	ThA14.1	8656
.....	ThA14.4	8675
Dahunsi, Olurotimi Akintunde	MoB24.6	1772
Dai, Chunhui	ThA08.3	8451
Dai, Feifei.....	ThB20.3	9727
Dai, Wei.....	MoA23.6	815
Dai, Xianzhong.....	ThB16.2	9575
Daigle, Jr., Bernie.....	MoA23.5	809
Dakulovic, Marija.....	ThC08.3	10188
Damanhuri, Nor Salwa.....	TuB07.3	3875
.....	TuC07.3	4784
.....	WeA07.1	5629
.....	WeA07.6	5659
.....	ThA07.1	8403
Dambrine, Michel	TuA08.2	2994
Damiani, Furio.....	FrA17.3	11326
Damm, Gilney	MoA15.3	523
.....	MoA15.6	540
Dangor, Muhammed	MoB24.6	1772
Dankers, Arne.....	MoC14	CC
.....	MoC14	O
.....	MoC14.4	2335
.....	TuA03.3	2842
.....	TuC03.6	4656
Darkow, Thomas.....	ThA21.1	8879
Darouach, Mohamed.....	MoA02.5	61

	FrA02.1	10808
Darure, Tejaswini	TuC25.4	5345
Darvas, Daniel	TuA17.3	3333
Daryin, Alexander	MoB21	CC
	MoB21.5	1655
Dassau, Eyal	MoA07.1	224
Dassisti, Michele	MoC16.3	2394
	TuA16.1	3280
	TuB20	CC
	TuB20	O
Dauby, Pierre C.	TuB07.2	3869
	WeA07.3	5641
Dauwels, Justin	TuA11.4	3116
Dauzère-Pérès, Stéphane	TuA16.4	3309
Davidson, Shaun M.	TuB07.3	3875
	TuB07.6	3893
	WeA07.1	5629
	ThA07.1	8403
Davila, Jorge	MoB13.5	1392
Davoudi, Ali	TuA12.2	3140
Dawson, Peter	MoA10.3	352
Dayre, Rémy	ThC19.4	10549
	ThC19.6	10562
de Almeida Fernandes, Daniel	TuC18.5	5157
	ThA18	C
De Anda, Claudia	FrA20.3	11431
De Bièvre, Stephan	TuB05.2	3797
De Breuker, Roeland	MoA21.4	736
de Callafon, Raymond	MoA14.4	493
	MoC08	C
	MoC08.2	2112
	WeB03.1	6430
	WeB14.5	6856
	ThB14.2	9504
de Castro, Carlos	ThA24.1	8983
de Castro, Ricardo	TuB08.4	3918
De Cesare, Matteo	FrB08.1	11836
De Cicco, Luca	TuA17.1	3321
De Dona, Jose Adrian	MoC18	CC
	MoC18.2	2462
	WeB05.3	6514
	WeB11	CC
	WeB11.1	6722
De Felice, Fabio	WeC22.3	8048
De Gaetano, Andrea	MoC07.4	2088
de Groot, Robert Joannes Wilhelmus	ThA12.1	8583
de Hoog, Julian	TuB08.5	3924
	WeA01	CC
	WeA01	O
	WeA01.4	5426
	WeC17.4	7879
de Jager, Bram	MoA11.2	383
De Keyser, Robin M.C.	MoC10.3	2195
	TuC25.7	5363
	ThA06.4	8384
	ThB07.4	9265
	ThB07.6	9277
	FrB09.1	11872
de La Fortelle, Arnaud	FrA17.4	11332
De la Mora, Alberto	MoB24.5	1766
de la Puente, Juan Antonio	MoB20.1	1592
	FrB21.1	12261
de Lafontaine, Jean	ThB19.2	9685
	ThC19.2	10535
De Lellis, Marcelo	WeB12.2	6764
De Lellis, Pietro	WeA11.2	5784
De Marco, Antonio	TuB10.6	3998
	ThB10.3	9370
De Maria, Giuseppe	WeC09.2	7585
	WeC09.3	7592
de Miguel, L. Javier	MoA03.6	104
	MoB10.6	1290
	ThA24.1	8983
De Nicolao, Giuseppe	TuB13.4	4080
de Oliveira, Vinicius	WeA10.3	5752
De Paola, Antonio	WeC18.3	7904
De Persis, Claudio	MoA04.5	134
De Pieri, Edson Roberto	TuB06.1	3827
de Prada, Cesar	MoC25.5	2734

.....	TuA25.1	3599
.....	WeC10.4	7635
De Rossi, Filippo.....	TuA11.2	3104
De Schutter, Bart.....	ThA17.4	8781
de Souza, Carlos E.....	ThA15.6	8725
.....	ThC05.3	10084
de Visser, Cornelis. C.....	TuA15.5	3268
Deaecto, Grace S.....	TuB13.2	4068
Debernard, Serge.....	WeA25.15	6344
Debrouwere, Frederik.....	MoA09.2	305
.....	ThB17.3	9617
Deese, Anthony.....	FrA01.4	10790
Defay, Francois.....	ThA06.1	8365
Deghat, Mohammad.....	ThB04.3	9183
Dekan, Martin.....	MoB24.2	1748
Del Bianco, Fabrizio.....	TuB18.6	4240
Del Cogliano, Davide.....	TuA11.2	3104
Del Favero, Simone.....	MoA07.6	255
.....	MoC03.3	1941
del Re, Luigi.....	TuA08.3	3000
.....	TuA08.6	3018
.....	TuA10.1	3062
.....	TuB16.2	4140
.....	FrA06.5	10946
.....	FrB14	C
.....	FrB14.4	12029
Del Vecchio, Carmen.....	MoC10.4	2201
Delgado, Ramón A.....	ThC14.3	10373
.....	FrA04.2	10888
Delgado Londoño, Sergio.....	FrA13.5	11189
Delhommeau, Francois.....	WeC07.5	7529
Dellagi, Sofiene.....	WeC22.2	8042
Delorme, Xavier.....	WeA22.1	6159
Demir, Nazli.....	FrB04.6	11715
Demory, David.....	WeA23.5	6216
Denasi, Alper.....	TuA11.1	3098
Deng, Chao.....	TuC07.4	4790
Deng, Fang.....	ThB21.5	9774
Deng, Jing.....	MoA22.5	766
Deng, Zheyu.....	WeB25.6	7221
Deng, Zhihong.....	ThB18.2	9649
Deori, Luca.....	MoB14.3	1416
.....	FrA02.3	10820
Deroo, Frederik.....	TuB11.2	4010
Desaive, Thomas.....	TuB07.2	3869
.....	TuB07.3	3875
.....	TuC07.3	4784
.....	WeA07	O
.....	WeA07.1	5629
.....	WeA07.3	5641
.....	WeA07.4	5647
.....	WeA07.6	5659
.....	ThA07.1	8403
.....	ThB25.7	9913
.....	ThC07.5	10162
.....	FrA07	CC
.....	FrA07.5	10982
Desideri, Adriano.....	MoC10.3	2195
Desmet, Wim.....	WeA06.3	5605
Detroja, Ketan P.....	WeB01.5	6380
Devy, Michel.....	WeC09.5	7604
Dewasme, Laurent.....	MoB07.5	1170
Dewil, Raf.....	WeB23.1	7122
Dewitz, Detlef.....	MoA25.2	863
Dey, Nilanjan.....	ThA07.6	8433
Dey, Subhrakanti.....	MoA04.3	122
Dezani, Henrique.....	FrA17.3	11326
Di Benedetto, M. Domenica.....	WeB04.2	6472
Di Cairano, Stefano.....	MoA17.1	581
Di Corato, Francesco.....	TuA18.3	3370
Di Febbraro, Angela.....	ThA17.3	8775
Di Leo, Rocco.....	FrB08.1	11836
Di Meglio, Florent.....	FrA19	C
.....	FrA19.2	11391
Diaz Blanco, Ignacio.....	FrA15.4	11257
Dickinson, Paul.....	TuA08.1	2987
Dickson, Jennifer Launa.....	ThC07.1	10138
.....	ThC07.3	10150
.....	ThC07.6	10168

.....	FrA07.4	10976
Diehl, Moritz	MoB21.2	1637
.....	TuA06.5	2945
.....	WeA12.1	5814
.....	ThB17.3	9617
.....	FrA10.6	11093
Diehm, Gunter.....	WeA25.4	6276
Dieng, Abdoulaye.....	FrB12.2	11950
Dietmayer, Klaus Christian Jürgen	TuB25.14	4523
.....	FrB14.6	12042
.....	FrB22.5	12325
Dieulle, Laurence	TuA15.1	3244
Diez Gonzalez, Alberto Benjamin	FrA15.4	11257
Digo, Galina	MoB10.5	1284
Digo, Natalia.....	MoB10.5	1284
Dimarogonas, Dimos V.	FrB11.1	11910
Dincel, Emre.....	TuA11.5	3122
Ding, E.L.	ThC21.5	10628
Ding, Haiyang.....	FrB04.4	11703
Ding, Jin	FrA04.3	10894
Ding, Steven X.	ThA03.1	8259
.....	ThA21.6	8909
.....	ThC21	C
.....	ThC21.5	10628
.....	ThC21.6	10634
.....	FrA21.4	11470
Ding, Weiguang.....	FrB03.1	11647
Dini, Daniele.....	ThC23.3	10688
Dini, Gianluca	WeC09.6	7610
Direito, Bruno	MoB07.3	1158
Dittmar, Rainer	ThA21.1	8879
Diveev, Askhat	WeB20.6	7061
Diversi, Roberto	TuC03.4	4644
Divoux, Thierry	TuB25.2	4447
Dixon, Roger	FrA21.5	11476
Djapic, Vladimir	TuA18.5	3382
Djeziri, Mohand Arab.....	TuB22.1	4340
.....	WeC22.6	8066
Djouadi, Seddik	TuC19.4	5181
Djouani, Karim.....	MoA10.6	370
.....	TuB10.4	3985
.....	TuC02.4	4607
Doban, Alina Ionela.....	ThA13.5	8642
Dobrokhodov, Vladimir.....	MoB09	CC
.....	MoB09.1	1222
Dobrovidov, Alexander V.	WeB15.3	6884
Dochain, Denis.....	MoA11.1	377
.....	WeA23	CC
.....	WeA23.1	6192
.....	ThB02	C
.....	ThB02	O
.....	ThB02.1	9105
.....	ThB02.3	9117
.....	ThB02.4	9123
Docherty, Paul D.....	MoB07.6	1176
.....	MoC07.6	2100
.....	TuB07	C
.....	TuB07	O
.....	TuB07.2	3869
.....	TuB07.4	3881
.....	TuB07.6	3893
.....	TuC07.3	4784
.....	WeA07.1	5629
.....	WeA07.2	5635
.....	WeA07.4	5647
.....	WeA07.6	5659
.....	FrA07.4	10976
Doebel, Christian.....	MoB15.5	1465
Doering, Dionisio.....	FrB21.2	12272
Doessegger, Simon.....	FrA16.2	11281
Döhler, Michael	WeC03.5	7382
.....	ThB14.1	9498
Dolgov, Maxim	TuB04.5	3776
Dolgui, Alexandre.....	MoA22.7	778
.....	TuA22.4	3522
.....	TuB19	C
.....	TuB19.1	4246
.....	WeA22	C
.....	WeA22	O

	.....WeA22.1	6159
	.....ThC25	C
Dolinay, Viliam	.....TuC01.3	4565
Dolz, Daniel	.....WeC04.4	7412
	.....FrA04.2	10888
Domanski, Roman	.....TuB25.5	4465
Dominguez, Manuel	.....FrA15.4	11257
Dominguez Gonzalez, Manuel	.....ThB20.1	9715
Dominguez-Garcia, Alejandro	.....WeA01.1	5405
Dominic, Shane	.....MoA12.5	432
Donadel, Rodrigo	.....TuB06.3	3839
Donaire, Alejandro	.....ThB04.1	9171
Donateo, Teresa	.....WeC17.1	7861
Dong, Daoyi	.....WeA16.2	5963
Dong, Fang	.....WeC25.4	8152
Dong, Guoyong	.....ThB20.3	9727
Dong, Hairong	.....MoA08.3	275
Dong, Hairong	.....FrB17.1	12116
Dong, Junyi	.....MoA12.2	413
Dong, Roy	.....TuA12.5	3158
	.....ThC14.2	10367
Dong, Ruiji	.....MoC06.5	2064
Dong, Weiwei	.....WeB10.4	6704
Dong, Xiaoyang	.....ThB16.6	9599
Dong, Zhe	.....MoB12.1	1331
Donha, Decio Crisol	.....TuC18.5	5157
Donkers, M.C.F. (Tijis)	.....WeB04.3	6478
	.....FrB08.5	11860
Doraiswami, Rajamani	.....WeA03.2	5491
Dormido, Sebastián	.....WeA10.5	5766
	.....WeC24.3	8116
	.....ThA25.7	9051
	.....ThC20.1	10568
	.....FrB04.1	11685
	.....FrB20	CC
	.....FrB20.4	12243
	.....FrB20.5	12249
Dorosti, Masoud	.....TuB25.13	4517
Dorrell, David	.....TuB08.1	3899
dos Santos, Wilian M.	.....TuC07.6	4801
Dostál, Jiří	.....TuB24.4	4423
Dou, Fengshan	.....ThA08.3	8451
Dou, Li-Hua	.....ThB21.5	9774
Doucet, Arnaud	.....ThA14.2	8662
Dougie, Squire	.....WeA07.4	5647
Doumiati, Moustapha	.....ThA08.2	8445
Dourado, Antonio	.....MoB07.3	1158
Dovzan, Dejan	.....TuC25.11	5387
Doyle, Frank	.....MoA07.1	224
	.....MoA23	CC
	.....MoA23	O
	.....MoA23.5	809
	.....ThP22	C
Doyle, John C.	.....TuA04.1	2854
Dr, Jayadeva	.....WeB20.1	7031
Drabek, Pavel	.....FrB12.5	11968
Drage, Thomas	.....MoC23.4	2652
	.....ThA08.4	8457
Drago, Francesca	.....ThB10.3	9370
Drai, Rémi	.....ThC19.2	10535
Drake, Samuel Picton	.....ThC08.5	10200
Drewelow, Wolfgang	.....MoA25.2	863
	.....WeB07.3	6581
Drexler, Dániel András	.....ThB07.5	9271
Dreyer, Rudi	.....MoB10.4	1278
Drgona, Jan	.....MoA17.1	581
Drótos, Márton	.....WeA22.3	6174
Druart, Florence	.....FrA21.6	11482
Drumm, Oliver	.....FrB01.4	11635
Du, Chunling	.....WeB14.2	6837
Du, Haibo	.....ThC02	C
	.....ThC02.2	9968
Du, Yuncheng	.....WeC03.6	7388
du Rand, Carel Petrus	.....WeB10.3	6692
du Toit, Eben Francois	.....WeC07.2	7511
Du Toit, Jaco	.....WeA20.4	6111
Duan, Haibin	.....MoA25.5	876
Duarte, Helder	.....WeC07.4	7523
Duarte Filho, Nelson	.....WeB22.3	7110

Dubbini, Nevio.....	TuA24.1	3563
Dubljevic, Stevan.....	MoB19.3	1574
Dueri, Daniel.....	MoB20.3	1605
Duever, Thomas.....	WeC03.6	7388
Dufour, Pascal.....	WeA08.2	5671
Dugard, Luc.....	ThA08.2	8445
Dullinger, Christian.....	ThA25.2	9019
Dumitrache, Ioan.....	MoA24	C
.....	MoA24.1	821
.....	TuA06	C
.....	TuA06	O
.....	TuA06.2	2927
.....	WeB25	C
Dumont, Guy.....	WeB07.1	6569
Dumur, Didier.....	WeB05.6	6533
.....	FrB15.3	12062
Duncan, Stephen.....	MoA25.1	857
Duncan, Tyrone E.....	ThA15.1	8695
Dunik, Jindrich.....	TuA15	CC
.....	WeA15.3	5933
.....	WeA15.6	5951
Dunn, Jennifer.....	TuC07.1	4772
.....	TuC07.2	4778
.....	ThB25.4	9895
.....	ThB25.5	9901
Dupont, Jean-Marc.....	FrB22.4	12317
Dupuis, Erick.....	ThA09.2	8481
Duraffourg, Elodie.....	MoA16.1	546
Durand, Sylvain.....	WeB17.4	6953
Durdevic, Petar.....	ThA10.2	8522
Dürr, Hans-Bernd.....	ThA02.2	8229
Dürr, Robert.....	MoB23.1	1705
Duun-Henriksen, Anne Katrine.....	MoA07.2	231
Duviella, Eric.....	TuC24.3	5309
.....	FrA11	C
.....	FrA11.2	11105
Dwivedi, Prasiddha Nath.....	TuB09.4	3954
Dymkou, Siarhei.....	WeB19.3	7013
Dymkou, Vitali.....	WeB19.3	7013
Dymkov, Michael.....	WeB19.3	7013
Dzielinski, Andrzej.....	MoC05.1	2003
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Eaton, Ray.....	TuC09.3	4849
Ebadat, Afrooz.....	MoB14.2	1410
.....	MoB14.4	1422
Ebenbauer, Christian.....	MoC18.5	2481
.....	ThA02.2	8229
Eberharter, Stefan.....	FrB01.2	11623
Ebihara, Yoshio.....	MoA21.2	724
.....	TuB05.1	3790
.....	WeB05.5	6527
Eciolaza, Luka.....	TuC25.10	5381
.....	WeC20.4	7982
Edrich, Thomas.....	ThA07.5	8427
Edwards, Christopher.....	MoA16.3	558
.....	TuA21.5	3497
.....	WeA14.4	5908
.....	FrA02.4	10826
Efimov, Denis.....	MoA16	C
.....	MoA16.3	558
.....	TuC09.6	4867
.....	WeB03.6	6460
.....	ThA02.3	8235
.....	ThC19.4	10549
.....	FrA11.4	11117
Egardt, Bo S.....	TuC08.5	4831
.....	WeB08	C
.....	WeB08.1	6606
.....	WeC17.2	7867
Egorov, Alexey.....	FrA08	C
.....	FrA08.5	11018
Ehrenberger, Wolfgang D.....	MoB20.5	1619
Eichhorn, Mike.....	WeB24.5	7182
Eichler, Annika.....	TuA04.2	2860
.....	ThA04.4	8317
Eielsen, Arnfinn Aas.....	MoB06.4	1126
.....	WeB14.6	6862
El Amraoui, Adnen.....	ThA17.1	8762
El Fadil, Hassan.....	MoA16.6	575

El Ghaoui, Laurent M.	TuA14.6	3238
El hajjaji, Ahmed	WeA25.10	6313
	ThC05.1	10072
El Haouzi, Bril, Hind	TuA16.1	3280
El Harabi Rafika, El Harabi	WeB21.2	7073
El-Farra, Nael H.	TuC19.6	5193
	WeB21	C
	WeB21.1	7067
El-Khazali, Reyad	MoC05.3	2016
Eldredge, Jeff	WeA13.2	5859
Eleiwi, Fadi	TuA17.2	3327
Elhamifar, Ehsan	FrA03.1	10844
Elia, Nicola	MoB08.5	1210
Elyoussef, Ebrahim Samer	TuB06.1	3827
Emedi, Zlatko	WeB16.3	6914
Emelianov, Mikhail	WeA02.4	5467
Emelianova, Julia	ThA02.5	8247
Emmanuel, Paul John	WeC01.3	7298
Endel, Petr	MoA17.5	606
Engel, Jan-Maarten	WeB20.3	7043
Engel, Peter	FrA21.4	11470
Engelbrecht, Jacobus Adriaan Albertus	FrB19.1	12188
	FrB19.2	12195
Engell, Sebastian	MoC10	C
	TuC10.1	4873
	WeC10	CC
	ThB10.4	9376
	FrA10.6	11093
Enqvist, Martin	WeB03.5	6454
Ergenc, Ali F.	WeA19	CC
	WeA19.3	6074
Erhart, Sebastian	ThA08.2	8445
Eriksson, Lars	TuC08.4	4825
	WeC18	C
	WeC18.5	7917
	ThC23	O
	FrB08	CC
	FrB08	O
	FrB08.3	11848
	FrB08.4	11854
Erkmen, Aydan	TuA23.2	3533
Erlank, Alex	ThB19.1	9679
Erlich, Istvan	TuA25	C
	WeB12	C
	ThB01.3	9081
	ThB01.6	9099
	FrA01	CC
Erol, Hüseyin Ersin	ThB11.5	9419
Ersdal, Anne Mai	MoB01.4	981
Escande, Coralie	ThB09.6	9353
Escareno, Juan	WeB06.4	6556
Escobet, Teresa	TuB21.6	4334
Esfandiari, Kasra	MoC20.1	2533
Espeland, Trygve Halvorsen	ThA18.4	8819
Espindola, Danubia	WeB22.3	7110
Esterhuizen, Willem Daniël	FrB13.4	11993
Estévez, Elisabet	TuA20.2	3438
	TuA20.6	3465
	TuB25.1	4441
Estrada, Antonio	WeB03.6	6460
Estrada Samayoa, Fernando José	FrA22.5	11512
Estrada-Manzo, Victor	WeC20.1	7965
Euler, Juliane	TuC24.2	5302
Euler-Rolle, Nikolaus	TuA11.6	3128
Evangelou, Simos	WeA25.2	6264
	ThC23.3	10688
Evans, Martin	MoC13.3	2291
Everitt, Niklas	MoC14.1	2317
Eynard, Julien	ThC12.4	10305
	FrB15.6	12080
F		
Fabian, Martin	MoA22.1	748
	TuB22	C
Fabietti, Luca	MoA17.4	599
Fabio, Taccone	ThC07.5	10162
Fabozzi, Davide	MoB01.4	981
Facchinetti, Andrea	MoC03.3	1941
Fadel, Maurice	MoA15	C
Fadel, Maurice	FrB12.4	11962

Fagiano, Lorenzo	TuC11.4	4927
	WeA12.3	5826
	WeC11	CC
Fagiolini, Adriano	WeC09	CC
	WeC09.6	7610
Fairbairn, Matthew	MoC06.4	2058
Falco, Pietro	WeC09.2	7585
Falcone, Domenico	WeC22.3	8048
Falcone, Paolo	ThC23.5	10700
Falconi, Riccardo	ThA09.1	8475
	ThC20.6	10598
Falkenberg, Thomas	ThB18.3	9654
Fallah, M. Saber	FrA14.3	11213
Falsone, Alessandro	WeB15.5	6895
Falugi, Paola	MoB02.3	1017
Fan, Guoliang	MoA25.6	882
	MoC19.4	2515
Fan, Huijin	FrA16.5	11299
Fan, Jianchao	MoC22.2	2605
Fan, Quanyong	WeB11.6	6753
Fang, Hao	MoA08.5	287
	ThB21.5	9774
Fang, Mengqi	FrA25.4	11605
Fang, Qiu	ThB17.6	9635
Fang, Rui	FrB06.2	11767
Fang, Song	TuB04.4	3770
Fang, Xin	MoA23.4	803
Fang, Xueyi	WeC10.3	7629
Fang, Yongchun	FrB09.2	11878
Fankem Fankem, Steve Armand	ThA08.6	8469
Fanti, Maria Pia	MoA25.14	918
Fantuzzi, Cesare	MoB25.11	1837
	TuA20	CC
	TuA20	O
	TuA20.1	3431
Farges, Christophe	MoC05	C
	MoC05.4	2022
	TuA05.1	2884
Farges, Jean-Loup	WeC19.5	7954
Faria, Pedro	MoA01.6	31
	FrA15.2	11244
Farina, Marcello	WeA20.5	6117
	WeC05.6	7461
Farlow, Kasie	FrB03.6	11679
Farokhi, Farhad	TuB17.1	4170
Farrell, Jay A.	ThA23.2	8959
	ThA23.3	8965
Farsoni, Saverio	TuB21.2	4310
Fasano, Antonio	MoC15.5	2370
Fasanotti, Luca	WeB22.4	7116
Faugeroux, Olivier	ThC12.4	10305
Faulwasser, Timm	MoA13.4	457
	WeC10.2	7622
Fauvel, Clément	MoC12.3	2260
Fay, Alexander	MoB15.3	1452
	TuA20.5	3456
Fedele, Giuseppe	FrB16.3	12098
Fedorenko, Roman	ThA23.1	8953
Fei, Shumin	WeC15.4	7805
	ThC25.2	10743
Fekih, Afef	TuB17.5	4196
Feldmann, Stefan	TuA20.3	3444
	WeA20.1	6092
Felici, Federico	FrA19.3	11398
Feliu, Vicente	MoB12.2	1337
	MoC05.5	2028
	TuC06	C
	TuC06.1	4733
	WeA10	C
	WeA10.4	5760
	WeC24	C
	ThA06	C
	ThA06.6	8397
	ThC22	CC
	ThC22.6	10670
Feliu Talegon, Daniel	TuC06.1	4733
Feller, Christian	MoC18.5	2481
Feng, David Dagan	TuA24	O
Feng, Gang	ThB21.4	9768

	FrA08.2	11000
Feng, Lei	MoC17.6	2448
Feng, Xiaoran	TuA25.8	3633
Feng, YiPing	ThB16.1	9569
	ThB16.6	9599
Feng, Zhe	WeC11.1	7647
Feng, Zhi	WeA11.3	5790
Feng, Zhonggang	FrB07.4	11818
Feno, Mahenina Remiel	MoA22.4	760
Fenucci, Davide	TuA18.3	3370
Ferkl, Lukas	TuB24.4	4423
Fernandes, Filipe	MoA01.6	31
Fernández, J.Javier	TuC18.4	5151
Fernandez Adiego, Borja	TuA17.3	3333
Fernández Sedano, Ignacio	TuC10.6	4903
	WeC24.3	8116
Ferracuti, Francesco	TuB07.1	3863
Ferraguti, Federica	ThC09.1	10213
Ferramosca, Antonio	FrA10.2	11067
Ferrante, Francesco	MoA04.6	140
Ferrarezi, Rodrigo Cesar	MoB05.3	1090
Ferrarini, Alain	MoA22.4	760
Ferrarini, Luca	TuC10	C
	TuC10.3	4885
Ferreau, Hans Joachim	TuA06.5	2945
Ferreira, Fausto	TuA18.5	3382
Ferreira, Janito	WeC09.1	7579
Ferreira, Pedro M.	TuA25.5	3617
Ferretti, Gianni	FrB22.1	12299
Ferrise, Andrea	FrB16.3	12098
Ferron, J. R.	MoA19.5	671
	MoB19.2	1568
	TuC21.5	5223
	ThC12.6	10319
Fertsch, Marek	TuB25.18	4547
Feuer, Arie	ThC13.4	10343
Févote, Gilles	MoC25.4	2727
Fey, Rob H.B.	TuB25.13	4517
	TuC04.3	4675
Fichter, Walter	ThB19.3	9691
Ficuciello, Fanny	MoA09.1	299
Fields, Anna	TuC07.5	4796
Fikar, Miroslav	TuC10	CC
	TuC10.5	4897
	WeA10	CC
	ThA25.8	9057
	ThC11.5	10275
Filasova, Anna	ThA15.2	8699
Filev, Dimitar	WeC08.1	7541
	WeC20.4	7982
Filip, Florin Gheorghe	MoA24.3	833
	WeC16.6	7855
Filipescu, Adrian	ThB06.3	9223
Filipescu, Adriana	ThB06.3	9223
Findeisen, Rolf	MoA13.4	457
	TuA02.2	2800
	TuA14	C
	TuB14	CC
	TuB14.2	4103
	TuB14.3	4110
	TuC03.5	4650
	WeB21.3	7079
	FrA10.3	11073
Finzi, Giovanna	TuC24.1	5296
Fiorini, Paolo	ThC09.1	10213
Firmanda Al Riza, Dimas	WeC24.4	8122
Fischer, Gilvan	MoA10.4	358
	MoA10.5	364
Fischer, Joerg	TuB04.5	3776
Fisher, Callen	TuC09.1	4837
Fisk, Liam	ThC07.1	10138
	ThC07.3	10150
	FrA07.3	10970
	FrA07.4	10976
Fitzgerald, Gretta	FrA20.4	11437
FitzGibbon, Mike	FrA20	CC
	FrA20.3	11431
	FrA20.4	11437
Flad, Michael	WeA25.4	6276

Fleming, Andrew John	TuB25	CC
	.WeB06.1	6539
	FrB06.6	11793
Fleming, James	MoB18.1	1537
Fleming, Peter J	MoC23.1	2634
Flidr, Miroslav	WeA03.1	5485
	.WeA16.3	5969
Flores, Gerardo	MoA20.6	713
	FrA09.6	11055
Flores, Jeferson Vieira	MoB06.3	1120
	MoB06.6	1140
Flottmeier, Sarah	MoA06.1	182
Foley, Aoife	ThA12.3	8594
Foley, Michael	MoA14.3	487
Folin, Théo	MoA16.5	569
Folly, Komla	MoB15	C
	TuA25	CC
	TuC12.4	4959
	.WeC01.3	7298
	.WeC01.5	7311
	ThA01.6	8218
	MoB25.5	1802
Folmer, Jens	ThC19.3	10543
Fonod, Robert	MoB19.3	1574
Forbes, J. Fraser	WeC22.3	8048
Forcina, Antonio	MoC15.3	2358
Formentin, Simone	TuC08.3	4819
	ThA08	CC
	FrA16.1	11275
Fornas, David	TuC18.4	5151
Fornasiero, Enrico	ThC07.2	10144
Fornasini, Ettore	TuC25.13	5399
Forsman, Krister	TuB10.1	3966
Forte, Francesco	WeC25.8	8176
Fortineau, Virginie	WeC16	C
	WeC16.2	7831
Foss, Bjarne	MoC25.3	2721
	TuA02.6	2824
Foulloy, Laurent	WeC22.1	8036
Fourati, Hassen	TuB13.6	4091
Fox, Zachary	MoB07.1	1146
Fr'ala, Tomáš	ThB20.5	9738
Fradkov, Alexander L.	MoA21.3	730
	MoB16.2	1477
	TuC21	C
	TuC21.1	5199
	FrA13	C
	FrA13.1	11165
Fragoso, João Leonardo	TuA07.5	2975
Fragoso, Marcelo	FrA11.1	11099
France, Xavier	WeB23.2	7128
Frances-Villora, Jose Vicente	MoA20.4	701
Franceschelli, Mauro	WeC04.5	7418
Francois, Gregory	FrA10.4	11080
Franz, André	MoB23.1	1705
Franze, Giuseppe	MoC21	CC
	MoC21.1	2570
	WeC05	CC
	WeC05.4	7449
Frasch, Janick	TuA06.5	2945
Frazzoli, Emilio	FrA17.4	11332
Frazzon, Enzo Morosini	WeB22.3	7110
Fredriksson, Jonas	ThC23.1	10676
Fredriksson, Jonas	ThC23.5	10700
Freeman, Christopher Thomas	MoA11.4	395
Freidovich, Leonid	MoB13.2	1374
	TuB02.3	3690
Freitas, Edison Pignaton	FrB21.2	12272
Freitas, Gustavo M	TuC09.4	4855
Frezzetti, Antonio	TuC12.5	4967
Fridholm, Björn	MoC08.6	2138
Fridman, Emilia	WeB04.4	6484
Fridman, Leonid M.	MoB13.4	1386
	TuA02.3	2806
	TuC02.5	4613
Frigola, Roger	TuB14.1	4097
Frisk, Erik	ThA17.5	8787
	ThC11.1	10251
Frison, Gianluca	TuA10.3	3074

Fröberg, Anders	..WeB08.5	6630
From, Pål Johan	..MoA09.5	326
.....	..ThA09.6	8509
.....	..FrA06.3	10934
Fromy, Philippe	..MoB20.6	1625
Frontzek, Heinrich	..MoP22.1	*
Fu, Guiyuan	..ThB24.5	9870
Fu, Jun	..FrB03.5	11673
Fu, Li-Chen	..ThA04.2	8305
Fu, Michael C.	..ThC17	CC
.....	..ThC17.1	10463
Fu, Minyue	..MoA04.2	116
.....	..WeA01.6	5439
.....	..WeA03	C
.....	..WeA03.5	5508
.....	..WeC04	C
.....	..WeC04.2	7400
.....	..ThC04.1	10036
Fu, Xiaoxin	..MoC23.6	2664
Fu, Yongji	..MoC07.3	2082
Fuchs, Julia	..WeA20.1	6092
Fuentes, Juan J.	..ThB20.1	9715
Fujimoto, Hiroshi	..FrB05.2	11728
Fujimoto, Kenji	..WeA18.4	6044
Fujioka, Hiroyuki	..ThB03.5	9165
Fujita, Masayuki	..FrA13.2	11171
Fukuda, Hirokazu	..WeC24.5	8128
Fuller, Nathan	..TuC23.3	5276
Fumagalli, Elisa	..TuB18.6	4240
Furberg, Andreas	..WeC17.2	7867
Furlong, Maaten	..FrB13.1	11974
Furtat, Igor	..MoA21.3	730
.....	..MoC21.3	2582
.....	..TuC21.1	5199
Fusco, Francesco	..WeC12.1	7678
G		
Gadh, Rajit	..WeB01.3	6368
Gagliardi, Davide	..TuA08.3	3000
Gaiduk, Anatoliy	..ThA23.1	8953
Galeani, Sergio	..MoB17	O
.....	..MoB17.4	1519
.....	..MoB17.6	1531
Galkowski, Krzysztof	..WeA02.4	5467
.....	..ThA02.5	8247
Gallo, Giuliano B.	..TuC22.6	5258
Galluzzo, Marco	..MoB06.5	1134
Gamberini, Rita	..TuB22.5	4364
Gambino, Giovanni	..MoC10.4	2201
.....	..TuA11.2	3104
Gamez Garcia, Javier	..TuA20.6	3465
.....	..ThA22.2	8921
Gan, Lu	..FrB12.3	11956
Gao, Bingzhao	..WeA13.6	5884
Gao, Feng	..MoC09.2	2153
Gao, Furong	..TuA10.6	3092
.....	..WeB10.1	6680
.....	..ThC05	C
.....	..ThC16.4	10445
.....	..FrA08	CC
.....	..FrA08.1	10994
Gao, Huijun	..TuB05.4	3809
.....	..WeC05.1	7430
.....	..ThA04.1	8299
.....	..ThB04.6	9203
.....	..ThB10.2	9364
Gao, Jianjun	..ThA24	CC
.....	..ThA24.5	9007
.....	..ThC24.1	10713
Gao, Kai	..ThB12.3	9438
Gao, Tongxin	..FrB17.1	12116
Gao, Xiang	..FrB17.1	12116
Gao, Yiqi	..WeA25.8	6301
Gao, Yuan	..WeA13.6	5884
Gao, Zhe	..WeA19.5	6086
Garatti, Simone	..MoA03	CC
.....	..TuB10.6	3998
.....	..FrA02.3	10820
Garcia, Claudio	..WeA03.6	5514
Garcia, Eloy	..FrA04.5	10908

Garcia, Gabriel J.	FrB09.4	11890
Garcia, Marcela P.	WeC06.4	7486
Garcia, Marcio	MoA10	C
	MoA10.4	358
	MoA10.5	364
Garcia Diaz, Cesar	ThC25.1	10737
García Sánchez, Juan Carlos	TuC18.4	5151
Garcia-Fernandez, Francisco J.	FrA15.4	11257
Garcia-Nieto, Sergio	ThA10.4	8528
	ThA19.2	8837
Garnier, Antoine	FrB15.6	12080
Garnier, Hugues	WeB03.1	6430
	ThC14.4	10379
Garofalo, Franco	WeA11	CC
	WeA11.2	5784
Garone, Emanuele	TuA13.4	3190
	ThB11.2	9400
Garoni, Tim	TuC16.3	5067
Garpinger, Olof	WeB16.6	6929
Garrido, Jorge	MoB20.1	1592
	FrB21.3	12278
Garrouste, Christelle Laetitia	ThC24.4	10731
Garulli, Andrea	MoB25.3	1790
Garza-Castañón, Luis	TuC25.1	5327
Gaspar, Peter	TuB17.3	4184
	FrA14.1	11201
Gasparri, Andrea	WeC23.3	8085
Gasperini, Luca	TuB18.6	4240
Gassara, Hamdi	ThC05.1	10072
Gattami, Ather	MoC15	CC
	MoC15.6	2376
	TuA15	C
Gaucel, Sébastien	WeA23.2	6198
Gaudenzi De Faria, Marcelo	WeC06.5	7492
Gauterin, Frank	TuC03.3	4637
Gautier, Maxime	WeB25.7	7227
	ThA06	CC
	ThA06.5	8391
Gavilan, Francisco	ThB19.5	9703
Gayet, Philippe	WeB21.4	7085
Gayme, Dennice	MoC01.5	1886
Gašperin, Matej	TuC14.6	5011
Ge, Ming	ThB15.3	9545
Ge, Quanbo	WeA15.5	5945
Ge, Shuzhi Sam	ThA20.1	8867
Ge, Zhiqiang	MoB03.5	1067
	ThA03.3	8272
Geerardyn, Egon	FrA03.3	10856
Gelli, Jonathan	TuA18.3	3370
Gelso, Esteban R.	TuA08.5	3012
	WeA08	CC
Geng, Jian	TuA01.4	2776
Geng, Yanfeng	TuB12.6	4056
Georg, Soeren	TuB21.1	4304
Georges, Didier	TuC19.1	5163
Georges, Jean-Philippe	TuB25.2	4447
Georgiev, Daniel	MoC12.2	2253
Georgiou, Tryphon T.	ThC15.3	10403
Geraldo, Issa Cherif	ThA21.2	8885
Gerber, Egardt Frans	FrA21.3	11464
Gering, Stefan	WeB17.2	6940
Gerlach, Stefan	TuB25.4	4459
	ThC25.5	10760
Germani, Alfredo	MoC15.5	2370
	TuB03.6	3745
	TuC25.6	5357
	ThB15.1	9534
Geromel, Jose C.	TuB13.2	4068
	WeA05.1	5556
Gessing, Ryszard	TuC02.3	4601
Geuss, Matthias	ThB13.2	9468
Gfoehler, Margit	ThA07.2	8409
Ghafarirad, Hamed	MoC24.6	2703
Ghandhari, Mehrdad	FrB11.1	11910
Ghanes, Malek	ThA12.2	8588
Gharesifard, Bahman	WeA01.1	5405
Ghazaei Ardakani, M. Mahdi	ThC09.4	10230
Ghazel, Mohamed	MoB25.2	1784
Ghazvini, Mohammad	WeB01.1	6355

Gheorghe, Anca	ThC19.4	10549
Ghosh, Bijoy	TuC23.4	5283
	TuC23.5	5290
Ghosh, Ramkrishna	ThB10.5	9382
Giagkiozis, Ioannis	MoC23.1	2634
Giambo', Roberto	MoC05.6	2034
Giani, Paolo	MoA25.13	912
Giannitrapani, Antonio	FrA01.3	10784
Giantomassi, Andrea	TuB07.1	3863
Gibaru, Olivier	TuB03.4	3732
Giebel, Gregor	WeB12.5	6782
Gifani, Peyman	TuB23.5	4394
Giglio, Davide	MoA25.19	948
Giglio, Gerardo	MoB06.1	1108
	FrA09.5	11049
Gil, Pablo	FrB09.4	11890
Gilliam, David S.	TuC19.5	5187
Gillis, Joris	MoB21.2	1637
Gilloteaux, Jean-Christophe	WeC12.5	7710
Gilson, Marion	ThC14.4	10379
Giovannini, Antonio	TuA16.1	3280
Giri, Fouad	MoA14.1	475
	MoA16.5	569
	MoA16.6	575
	TuA14.2	3214
	TuC16.2	5061
	ThC03	CC
	ThC03.6	10030
Giselsson, Pontus	MoB08	C
	MoB08.4	1203
	MoC13.5	2303
Giua, Alessandro	MoB25	CC
	MoC17.3	2429
	WeC04.5	7418
Giuliani, Matteo	WeA24.2	6234
	WeA24.5	6252
Giullioni, Luca	WeC05.6	7461
Givigi, Sidney	MoB09.4	1241
Gladysz, Bartosz	WeB03.3	6442
Glaser, Sébastien	ThB03.3	9152
Glielmo, Luigi	MoC10.4	2201
	TuA11.2	3104
	ThB12.6	9456
Glotzbach, Thomas	TuB18.2	4215
Glover, Keith	TuA08	C
	TuA08.1	2987
Glück, Tobias	WeB24.6	7190
Gnoni, Maria Grazia	MoA22.2	754
Go, Goen	MoB15.2	1446
Göcmen, Tuhfe	WeB12.5	6782
Godhavn, John-Morten	WeC18.6	7923
Godoy, Boris I	ThC14	CC
	ThC14.4	10379
Godoy, Emmanuel	MoC08.4	2125
Goebel, Christof	WeB07.2	6575
Goebel, Gregor	MoB02	C
	MoB02.1	1005
Goldrick, Stephen	WeA23.6	6222
Golubev, Vladimir	TuC16.5	5079
Gomes, A. Miguel	TuC22.1	5235
	TuC22.2	5241
Gomes, Luis	MoA01.6	31
Gomes Da Silva Jr, Joao Manoel	MoB06.6	1140
	TuC22.5	5252
	WeB17.3	6947
Gomez, Francisco R.	ThA01.1	8182
Gomez-Ortega, J.	TuA20.6	3465
	ThA22.2	8921
	ThB09.2	9327
Gomoyunov, Mikhail	MoA18	CC
	MoA18.3	633
Goncalves, Jorge M.	MoC14.3	2329
	TuB23.5	4394
Gondhalekar, Ravi	MoA07.1	224
Gong, Qi	ThA23.5	8977
	ThB17.6	9635
Gongal, Aleana	WeC24.1	*
Gonzalez, Alejandro, Hernan	FrA10.2	11067
Gonzalez, Antonio	MoC20.5	2558

Gonzalez, Temoatzin	WeC20.2	7970
Gonzalez Burgos, Juan.....	WeC05.5	7455
Gonzalez Suarez, Victor Manuel	TuA17.3	3333
Gonzalez Toro, Luis Felipe	MoC19.1	2495
Gooch, Shayne	TuC07.1	4772
.....	TuC07.2	4778
.....	ThB25.4	9895
.....	ThB25.5	9901
Goodall, Roger	TuP11	C
.....	TuB15	CC
.....	TuB15.1	*
Goodwin, Graham C.	MoC07.3	2082
.....	ThC03.1	9998
.....	ThC13.4	10343
.....	ThC14.3	10373
Goodwine, Bill	MoA24	CC
.....	MoA24.5	845
Goos, Jan	FrB16	CC
.....	FrB16.2	12092
Gorecki, Tomasz Tadeusz	FrA12.5	11153
Gorecky, Dominic.....	WeC16.1	7825
Gören Sümer, Leyla	TuB05.5	3815
Gorret, Nathalie	TuB23.4	4388
.....	WeA23.2	6198
Gotoh, Toshiyuki	TuA24.2	3569
.....	TuA24.5	3587
Gouaisbaut, Frederic.....	MoA04.6	140
Goubej, Martin.....	FrB06.4	11781
Goulart, Paul J.	MoB21.4	1649
Goupil, Philippe	TuA21	CC
.....	TuA21	O
.....	TuA21.1	3471
.....	ThC19	C
.....	ThC19	O
.....	ThC19.4	10549
.....	ThC19.6	10562
Gouvea, Josiel	WeA09.2	5709
Govender, Poobalan	MoB10.1	1260
Goyal, Nitin.....	WeB03.4	6448
Graham, John Michael Russell	TuC21.3	5211
Grahn, Markus	FrB08.2	11842
Graichen, Knut	MoC02.1	1892
.....	ThB02.6	9135
.....	FrB14.6	12042
Grala Pinto, Lie Pablo	MoA16.4	563
Grall, Antoine	TuA15.1	3244
Gramatyka, Michalina	FrA23.1	11518
Grammatico, Sergio	MoB21.4	1649
Grancharova, Alexandra	MoC21.2	2576
Grandi, Raffaele.....	ThA09.1	8475
.....	ThC20.6	10598
Grano, Antonio	ThC08.2	10182
Grassi, Giorgio	TuB14.4	4116
Grauers, Anders.....	WeB08.1	6606
Gravdahl, Jan Tommy.....	MoB06	C
.....	MoB06.4	1126
.....	WeB14.6	6862
.....	WeB19.4	7019
.....	ThA18.4	8819
Gray, Rebecca A. L.....	WeA07.2	5635
Gray, W. Steven.....	WeB13	CC
.....	WeB13.1	6794
Green, Torben.....	ThC01.4	9942
Gregoire, Jean	FrA17.4	11332
Grieco, Antonio	MoA22.2	754
Grieu, Stéphane	ThC12.4	10305
.....	ThC14.1	10361
.....	FrB15.6	12080
Grillo, Samuele.....	TuB01.1	3645
.....	TuC01	CC
Grilo, Antonio	MoC16	O
Grimaud, Ghjuvan Micaelu	TuB23.2	4376
Grimholt, Chriss	WeA10.3	5752
Grimstad, Bjarne	TuA02	CC
.....	TuA02.6	2824
Grobbelaar, Grant	MoA10	CC
Grobovoy, Andrey	MoA01.5	25
Grognard, Frederic.....	TuC23	CC
.....	TuC23.1	5264

Gromov, Vladislav	FrA16.4	11294
	FrB16.4	12104
Gros, Sebastien	WeA12.1	5814
Grosso, Juan Manuel	WeA24.3	6240
	ThC16.6	10457
Grote, Wolfgang	MoA12.3	419
Grøtli, Esten Ingar	FrB18.3	12166
Grousseau, Estelle	TuB23.4	4388
Gruene, Lars	FrB01.5	11641
Gryazina, Elena	WeA21.1	6123
Grzechca, Waldemar	WeA22	CC
	WeA22.4	6180
Gu, Dawei	ThA19.3	8843
	ThB03	C
	ThB03.1	9141
Gu, Wei	TuA01.1	2758
Gualino, David	ThB12.1	9425
Guan, Xiaohong	WeC11.5	7671
Guan, Zhi-Hong	WeA17.1	5987
Guanetti, Jacopo	TuC08.3	4819
Guay, Martin	MoA11.1	377
	MoB02	CC
	MoB02.4	1023
	ThB02.1	9105
	ThB02.5	9129
Gubaidullin, Irek	WeB20.6	7061
Gucik-Derigny, David	WeC03.1	7354
	WeC03.4	7375
	ThA03.2	8265
Gueguen, Herve	MoC07.2	2076
	FrB15.3	12062
Guelton, Kevin	WeC20.5	7988
Guenthoer, Barret	TuC16.5	5079
Guermouche, Mohamed	TuA17.5	3346
Guerra, Jérémie	WeB05.4	6520
Guerra, Matteo	TuC09.6	4867
Guerra, Thierry Marie	MoC20	CC
	MoC20.5	2558
	WeC20	C
	WeC20	O
	WeC20.1	7965
	WeC20.3	7976
	WeC20.6	7994
	ThA20.1	8867
Guerrero, Victoria	TuB12.5	4050
Guerrero Castellanos, Jose Fermi	WeB17.4	6953
Guerrero-Martínez, Juan Fco	MoA20.4	701
Guerrieri, Antonio	MoA22.2	754
Guerrini, Piero	TuA18.3	3370
Gugercin, Serkan	WeC14.5	7779
Guiggiani, Alberto	TuA06.1	2921
Guillouet, Stéphane	TuB23.4	4388
Guimarães, Leticia	TuA07.5	2975
Guinaldo, Maria	FrB04.1	11685
Gumpy, Jerome Mishon	MoA12.6	438
Gunes, Bilal	TuA03.3	2842
Gunn, Cameron Allan	ThC07.3	10150
	ThC07.6	10168
Gunnarsson, Svante	WeC03.3	7367
Gunther, Jan	TuB23.4	4388
Guo, Bao-Zhu	FrA18	CC
	FrA18.3	11363
	FrA19.1	11385
Guo, Ge	TuB17.4	4190
Guo, Hai-jiao	WeB05.2	6508
Guo, Jian-Xin	WeC18.2	7898
Guo, Jing	FrB22.6	12331
Guo, Kun	FrB17.2	12122
Guo, Lei	MoC06.3	2052
Guo, Lei	WeP11.1	*
	ThC15.4	10409
Guo, Peng	TuA24.4	3581
Guo, Zixu	WeB10.2	6686
Gupta, Ankit	MoB23.2	1711
Gupta, Santosh	MoA24.6	851
Gurenko, Boris	ThA23.1	8953
Gustafsson, Fredrik	TuB03.3	3726
	WeA15.4	5939
	WeB03.5	6454

	ThC20.4	10586
Gustafsson, Thomas	MoA02.5	61
Gutekunst, Florian	MoB12.3	1343
	ThA01.3	8196
Gutierrez, Gloria	WeC10.4	7635
Gutman, Shaul	TuB09.2	3942
Guvenc, Levent	ThC23	O
	FrB08	O
Guzman, Jose Luis	MoA05.5	170
	TuB24.2	4411
	TuC10.6	4903
	WeA16.4	5975
	WeC24.3	8116
	FrB20.4	12243
	FrB20.5	12249
György, Eigner	ThB07.1	9247
H		
Haasbroek, Adriaan Lodewicus	ThB22.3	9798
Haase, Torsten	WeC11.2	7653
Haber, Robert	TuC25	CC
	TuC25.2	5333
Habibullah, Habibullah	WeB06.5	6563
Habineza, Didace	WeB06.4	6556
	FrA06.6	10952
Hably, Ahmad	FrB04.4	11703
Hacizade, Cengiz	WeA15	CC
	WeA15.1	5921
	WeC19.3	7941
	FrB19.6	12220
Hadas, Lukasz	TuB25.5	4465
Hadas, Lukasz	TuB25.18	4547
Haddab, Yassine	WeC06.5	7492
Haddad, Alain	ThA11.6	8576
Haddadin, Sami	ThA09.3	8487
Hafez, Ahmed	MoB09.4	1241
Hager, Louw van Schoor	MoC20.3	2545
Hägg, Per	MoB14.2	1410
	MoB14.4	1422
Hägglom, Kurt-Erik	MoB14	C
	MoB14.5	1428
	ThB10.5	9382
Hagglund, Tore	WeB16.6	6929
	ThA05.5	8359
	FrA16.3	11288
	FrB20.4	12243
Haghani Abandan Sari, Adel	ThA21.6	8909
	FrA21.4	11470
Hagino, Kojiro	WeA11.6	5808
Hahn, Juergen	MoA23	O
	MoA23.6	815
Hahn, Tobias	MoA25.2	863
Hähnel, Christian	ThB12.2	9432
Haidar, Ihab	ThC05.5	10096
Haidegger, Geza	TuB20	O
Haimovich, Hernan	TuB13.5	4085
Haiyin, Zhou	ThA03.1	8259
Hajej, Zied	WeC22	C
	WeC22.2	8042
	ThC25.6	10766
Hajrizi, Edmond	ThB24.6	9875
	FrA20.1	11419
Hakenberg, Mathias	TuB10.3	3979
	WeB19.1	7001
Hakvoort, Wouter	WeA06.4	5611
Halas, Miroslav	ThB13	CC
	ThB13.4	9480
Halbach, Shane	WeC17.5	7886
Haliyo, Sinan	WeC06.5	7492
Hamada, Yoshiro	TuA19.5	3419
Hamaguchi, Kenichi	FrA18.2	11357
Hamam, Yskandar	MoA10.6	370
	TuB10.4	3985
Hamaz, Tahar	FrA21.6	11482
Hamel, Tarek	MoC11.5	2237
	TuA13	CC
	TuA13.2	3176
	WeA09.5	5726
	FrA09	CC
Hamelin, Frédéric	ThA11.4	8564

Hamerlain, Mustapha.....	ThC06.3	10113
Hametner, Christoph.....	TuA11.6	3128
Hämmerle, Moritz.....	TuB25.4	4459
.....	ThC25.5	10760
Hamouda, Raouf.....	WeA23.5	6216
Hamroun, Boussad.....	FrA19.4	11404
Han, Cunwu.....	ThB20.2	9721
Han, Dong.....	WeB15.1	6870
Han, Hua.....	WeB21.5	7091
Han, Jianda.....	TuA07.4	2969
.....	FrA09.1	11024
Han, Tingrui.....	ThC04.1	10036
Han, Xian-Hua.....	TuA24.3	3575
Han, Zhongyang.....	WeA20.3	6105
Hanebeck, Uwe.....	TuA15.4	3262
.....	TuB04.5	3776
.....	TuC15.5	5040
Hanel, Lutz.....	MoB12.3	1343
Hans, Christian Andreas.....	ThC12.1	10287
Hansen, Jacob.....	MoC01.3	1873
Hansen, Lars Henrik.....	ThC01.5	9950
Hansen, Søren.....	ThC19.5	10555
Hansson, Anders.....	MoC21.5	2594
.....	ThB14	CC
.....	ThB14.6	9528
.....	ThB16.4	9587
Hao, Haiyang.....	ThC21.5	10628
.....	ThC21.6	10634
Hao, Jingjing.....	FrA21.2	11458
Hao, Renjian.....	TuB06.6	3857
Hao, Zhiwei.....	WeA18.4	6044
Hara, Shinji.....	WeA11.1	5778
.....	FrPP	C
Harini Venkatesan, Raghav.....	MoB18.4	1556
Harmand, Jérôme.....	WeA23.1	6192
Harmati, Istvan.....	ThB07.5	9271
Harndorf, Horst.....	WeA08.3	5679
Hartmann, Philipp.....	WeA23.5	6216
.....	WeB23.6	7152
Hasan, Khairudin.....	MoC12.5	2273
Hasegawa, Kazuhiko.....	MoC23.5	2658
Hasenauer, Jan.....	MoB23	CC
.....	MoB23.5	1729
Hashemi, Reza.....	TuC10.1	4873
Hass, Carsten.....	ThB23.2	9822
Hassani, Vahid.....	WeB15.4	6890
Hassenforder, Michel.....	MoB20.6	1625
Hatanaka, Takeshi.....	FrA13.2	11171
Hathway, Mark.....	ThA12.5	8610
Havlena, Vladimir.....	TuB03.5	3739
Hayakawa, Tomohisa.....	WeA25.13	6332
.....	WeB02.3	6406
.....	WeC25.3	8146
Hayakawa, Yoshikazu.....	WeB24	C
.....	WeB24.4	7176
.....	FrB16	C
.....	FrB16.1	12086
Hayden, David P.....	MoC14.3	2329
Hazir, Oncu.....	WeA22.1	6159
He, Fenghua.....	MoA08.4	281
He, Jianping.....	MoB08.1	1182
.....	MoB25.12	1843
He, Xiao.....	MoB25.14	1855
.....	FrB03.1	11647
He, Xiongxiang.....	WeC25.4	8152
He, Yigang.....	ThC02.2	9968
He, Yong.....	MoC25.8	2752
He, Yu-qing.....	FrA09.1	11024
He, Zhangming.....	ThA03.1	8259
.....	ThC21.6	10634
He, Zhirong.....	ThC04.3	10048
Hecker, Simon.....	WeB16	C
.....	WeB16.1	6901
Heemels, Maurice.....	WeB04	C
.....	WeB04.3	6478
.....	FrB08.5	11860
Heertjes, Marcel.....	MoA06	C
.....	MoB06.5	1134
.....	TuB25.13	4517

		TuC11.2	4915
		WeA06	C
		WeA06.4	5611
Heidari, Rahmat		TuB13	CC
		TuB13.5	4085
Hellendoorn, Hans		ThA17.4	8781
Hellingrath, Bernd		WeB22.3	7110
Helmersson, Anders		MoA06.5	210
		ThA06.2	8372
Hendeby, Gustaf		ThC20.4	10586
Hendrawan, Yusuf		WeC24.4	8122
Heng, Yue		ThC16.2	10433
Henke, Benjamin		ThC06.6	10132
Hennequin, Sophie		WeC22.4	8054
Hennet, Jean-Claude		ThA22	CC
		ThA22.4	8933
Henning, Anke		WeC07.3	7517
Henrion, Didier		MoC13.6	2310
		TuB14.3	4110
Henriques, Jorge		ThA07.3	8415
Henriques, Renato Ventura Bayan		WeB22.3	7110
Henry, David		ThC19.3	10543
		FrA11.4	11117
Hentout, Abdelfetah		ThA09.5	8503
Heppeler, Gunter		WeB08.2	6612
Heraud, Nicolas		MoB05.2	1085
Hering, Pavel		TuA12.6	3164
Hérissé, Bruno		TuC17.2	5097
Herman, Ivo		WeC23.4	8091
		ThB04.2	9177
Hermans, Ralph		FrA18.1	11350
Hernandez, Andres		MoC10.3	2195
		ThA06.4	8384
		FrB09	C
		FrB09.1	11872
Hernández, Carlos		MoA20.1	683
Hernandez, Debbie		MoB13.4	1386
Hernandez Garcia, Daniel		TuA09.2	3030
		TuA09.4	3042
Hernandez-Alcantara, Diana		TuC14.5	5005
		FrA04.4	10902
Herrera, Miguel		ThC22.5	10664
Herrero Durá, Juan Manuel		WeC25.5	8158
Herrmann, Guido		WeA14.4	5908
Hersh, Marion A.		FrA20	O
		FrA20.5	11444
Hesketh, Timothy		TuC09.3	4849
Hesz, Gábor		TuA24.6	3593
Heuberger, Peter		MoC14.4	2335
Heuer, Michael		ThB06.5	9235
Heutger, Henning		MoC22.5	2622
Hield, Peter		FrB08.3	11848
Hilairat, Mickael		ThA12.2	8588
Hilhorst, Gijs		ThB08.5	9307
Hill, David J.		MoB25.7	1813
Hille, Christof		ThB20	C
		ThB20.4	9732
Hille, Falk		WeC03.5	7382
Himanka, Mikko		MoC10.4	2201
Hinteregger, Markus		ThA07.2	8409
Hiraishi, Kunihiko		MoC17.5	2442
Hirche, Sandra		TuB11.2	4010
Hirpara, Ravish H.		ThA18.2	8805
Hirsch, Pierre		WeC07.5	7529
Hiskens, Ian A.		WeA01.3	5419
Hjalmarsson, Hákan		MoB03.6	1073
		MoB14.2	1410
		MoB14.4	1422
		MoC14.1	2317
		ThA14	CC
		FrA03	CC
Hoang, Hong Son		TuA15.3	3256
Hoang, Ngoc Ha		ThB02.3	9117
		ThB02.4	9123
Hodaka, Ichijo		FrB05.5	11743
Hoffmann, Christian		TuA04.2	2860
		WeA21.5	6147
		FrB05.6	11749
		FrB14.1	12010

Hoffmann, Frank	TuA09.3	3036
	ThB23.2	9822
Hofman, Theo	TuB08.6	3930
Hohmann, Soeren	WeA25.4	6276
	ThC12.5	10311
	FrB14.2	12016
	FrB14.3	12023
Hol, Jeroen Diederik	MoA03.2	79
Holaza, Juraj	MoB02.6	1035
Holcomb, Chad	MoA14.4	493
Holgado, Maria	WeB22.2	7104
Homlok, József	FrA25.2	11595
Hong, Boe-Shong	TuC12.1	4939
Hong, Henry	TuB21.5	4328
Hong, Yiguang	TuA04.4	2872
Hoogendoorn, Serge P.	FrA17.2	11318
Hooper, Gary J.	TuC07.5	4796
Hopmann, Christian	TuB22.4	4358
Horch, Alexander	WeB10.2	6686
Hori, Yoichi	FrB05.2	11728
Horiguchi, Yukio	TuB25.16	4535
Horn, Gregory Mainland	MoB21.2	1637
Horn, Joachim	ThB12.2	9432
Horn, Martin	WeB08.4	6624
	FrA03.4	10862
Horvath, Klaudia	TuC24.3	5309
	FrA11.2	11105
Hoseini Pishrobat, Mehran	WeB25.15	7278
Hoshi, Toru	TuA08.1	2987
Hosoda, Ryo	FrB22.2	12305
Hossain, Md. Jahangir	WeB01.3	6368
	WeC11.3	7659
	WeC11.4	7665
HosseinNia, S. Hassan	MoC05.5	2028
Hou, Xiaolei	FrA09.2	11030
Hou, Yanjiao	WeA12.5	5838
Hou, Zeng-Guang	MoB25.9	1825
Hou, Zhiwei	TuA19.2	3401
Hou, Zhongsheng	TuC17.3	5103
Hovd, Morten	MoB21.1	1631
	MoC18.6	2489
	TuA06	CC
	TuA06.3	2933
	TuC10.4	4891
Hozumi, Koki	MoC19.6	2527
Hryniewicz, Edward	TuB25.7	4477
Hsu, Liu	TuC09	C
	TuC09.4	4855
	WeA09.2	5709
	WeB16.4	6920
	ThA09	CC
	ThA09.6	8509
Hsu, Ping-Min	MoB20.4	1613
Hu, Guoqiang	WeA11.3	5790
	WeB25.14	7272
Hu, Huosheng	FrB09.5	11898
Hu, Jiangping	FrB04.2	11691
Hu, Nan	MoC09.2	2153
Hu, Wenfeng	ThB21.4	9768
Hu, Wuhua	WeC13.5	7741
Hu, Xiaoming	MoA13.1	445
	ThB04.5	9197
	ThC04	C
Hu, Xiaosong	TuB08.1	3899
	TuC08.5	4831
Hu, Yinlong	FrA14.5	11225
Hu, Yong	ThB19.6	9709
Hua, Chen	WeA09.6	5734
Hua, Minh-Duc	MoC11.5	2237
	WeA09.5	5726
Huang, Alex	MoB01.2	969
Huang, Biao	ThB10.2	9364
	ThB10.6	9388
Huang, Dan	MoC09.2	2153
Huang, Dexian	MoC23.6	2664
Huang, Garng	WeC01.4	7305
Huang, Hailin	WeC02.1	7318
Huang, Jian	TuB25.11	4505
Huang, Jie	MoA08	CC

	MoA08	O
	MoA08.6	293
Huang, Jie	ThB21.5	9774
Huang, Xianlin	ThB13.5	9486
Huang, Yaozhun	FrB09.2	11878
Huang, Zhenyu	FrA01.1	10772
Huang, Zhiwu	TuA25.6	3623
	WeB17.5	6959
	ThB12.3	9438
	ThC12.2	10293
Huang, Zuyi	MoA23	O
	MoA23.4	803
Huba, Mikulas	MoA06.3	198
	MoB06	CC
	TuB06	CC
	WeA18.6	6056
	ThA25.1	9013
Huba, Tomáš	ThA25.1	9013
Huber, Marco F.	MoB03	C
	MoB03.4	1059
Huck, Stephan M.	ThC08.6	10207
Hudon, Nicolas	ThB02	CC
	ThB02.1	9105
	ThB02.3	9117
Hultmann Ayala, Helon Vicente	MoC20.2	2539
Human, Gerhardus	ThC11.2	10257
Humphreys, David	MoA19.5	671
	MoB19.2	1568
	TuC21.5	5223
	ThC12.6	10319
Hunte, Kyle	TuC15.2	5023
Huo, Wei	MoC11.2	2219
Huq, Ragibul	ThA08.5	8463
Husek, Petr	TuC05.1	4699
Huusom, Jakob Kjøbsted	TuA10	CC
	TuA10.1	3062
	TuA10.5	3086
	WeA23	C
	WeA23.3	6204
Hwang, Hyemi	TuB01.5	3670
Hyvämäki, Tapani	FrA01.6	10802
I		
Iakymchuk, Taras	MoA20.4	701
Iannelli, Luigi	ThB12.6	9456
Iarlori, Sabrina	TuB07.1	3863
Ibarra, Efrain	WeA18.5	6050
Ibrir, Salim	TuA05.4	2903
	TuB16.3	4146
	TuC15.2	5023
Ibuki, Tatsuya	WeA08.5	5691
	FrA13	CC
	FrA13.2	11171
Ichalal, Dalil	TuA02.3	2806
Ichikawa, Hiroyuki	FrB16.1	12086
Ichikawa, Masaki	TuA24.5	3587
Iftar, Altug	WeA11	C
	WeA11.4	5796
	ThB11	CC
	ThB11.5	9419
Igoulalene, Idris	MoA22.6	772
Ikeda, Kenji	ThB14	C
	ThB14.4	9516
Ikhouane, Faycal	MoA14.1	475
	TuA14.2	3214
Imahiyerobo, Allison	FrB07.1	11800
Imreizeeq, Emad	ThB15.6	9563
Imsland, Lars	MoA18.4	639
	MoB01.4	981
Imura, Jun-ichi	MoB23.6	1736
	TuB01.3	3657
	TuC01.4	4571
	WeA25.13	6332
	ThC18.3	10512
Indiveri, Giovanni	TuC18.1	5127
	WeC23	CC
	ThA23	C
	ThA23.4	8971
Ingram, Ben	TuC07.1	4772
	TuC07.2	4778

.....	ThB25.5	9901
Ingrosso, Fabio	WeC17.1	7861
Inoue, Masaki	MoB23.6	1736
Ionescu, Clara	MoC10.3	2195
.....	TuC25.7	5363
.....	ThB07	CC
.....	ThB07.4	9265
.....	ThB07.6	9277
Iordanidou, Georgia-Roumpini	FrA17.6	11344
Irizuki, Yasuharu	WeA21.6	6153
Irofti, Dina	MoC08.4	2125
Isaiah, Pantelis	MoC19.5	2521
.....	MoC23.3	2646
.....	ThB23	CC
.....	ThB23.1	9816
Isermann, Rolf	WeC03	C
.....	ThB06	CC
.....	ThB06.2	9216
.....	ThC23.4	10694
Ishihara, Tadashi	WeB05.2	6508
Ishii, Chiharu	WeB25.8	7233
Ishii, Hideaki	MoB25	C
.....	TuB04	C
.....	TuB04.4	3770
.....	FrB11.4	11932
Ishii, Kazunobu	TuB24.6	4435
Ishikawa, Kyohei	WeA25.13	6332
Ishimoto, Shinji	TuA19.5	3419
Ishino, Yuji	TuC06.3	4748
Ishizaki, Takayuki	TuB01.3	3657
.....	TuC01.4	4571
Ishteva, Mariya	MoA14.6	505
Isidori, Alberto	MoP11	C
.....	TuB02.1	3676
Iskakov, Alexey Borisovich	ThB01.4	9087
Iskandarani, Mohamad	MoB09.4	1241
Ito, Hiroshi	WeB13	C
.....	WeB13.2	6800
.....	ThA13	CC
.....	ThA13.1	8616
Ito, Shingo	WeB06.3	6550
Iung, Benoît	WeB22	O
Ivanov, Anatoli	TuB03.2	3720
Iwagami, Keigo	ThB09.1	9321
Iwai, Akihito	WeA25.13	6332
Iwaki, Takuya	WeB02.3	6406
Iwano, Kou	WeA25.14	6338
Iwarere, Sesan	WeC15.3	7799
Iwasaki, Makoto	WeB14.1	6831
Iwasawa, Tae	TuA24.2	3569
.....	TuA24.5	3587
Izadi-Zamanabadi, Roozbeh	MoB01.3	975
.....	MoB13.1	1367
Izadian, Afshin	ThA11.1	8546
Izworski, Antoni	FrA20.5	11444
J		
Jabri, Dalel	TuB13.6	4091
Jadachowski, Lukas	WeC14.2	7761
Jafarov, Elbrous M.	WeC19	CC
.....	WeC19.4	7947
Jahanpour, Ehsan	TuB20.1	4266
Jahanshahi, Esmail	WeA10.3	5752
Jaksik, Roman	FrA23.2	11524
Jakubek, Stefan M.	TuA11.6	3128
Janecek, Eduard	MoC12.2	2253
.....	TuA12.6	3164
Janecek, Petr	TuA12.6	3164
Janeczek, Christoph	ThA07.2	8409
Jang, Hong	ThB15.4	9551
Janot, Alexandre	ThA06.5	8391
Janschek, Klaus	MoC24	CC
.....	MoC24.3	2685
Janse van Rensburg, Angeliqne	ThB12.5	9450
Jardim-Goncalves, Ricardo	MoA24.4	839
.....	MoC16	C
.....	MoC16	O
.....	MoC16.4	2400
Järveläinen, Matti Kalevi	ThC03.3	10012
Jasiulewicz-Kaczmarek, Malgorzata	TuB25.6	4471

Jassmann, Uwe.....	ThC06.2	10107
Jayasuriya, Suhada.....	ThB18.5	9667
Jeinsch, Torsten.....	WeB07.3	6581
.....	ThA21.6	8909
.....	FrA21.4	11470
Jelemensky, Martin.....	TuC10.5	4897
Jelitto, Jens.....	WeB14.4	6849
Jeltsema, Dimitri.....	MoB24.4	1760
Jenkins, Andrew.....	TuC07.1	4772
.....	TuC07.2	4778
.....	ThB25.4	9895
.....	ThB25.5	9901
Jensen, Tom Nørgaard.....	FrB11.3	11926
Jeon, Doyoung.....	MoC09.1	2147
Jeronymo, Daniel Cavalcanti.....	MoB11.4	1314
.....	ThC20.2	10574
Jetto, L.....	FrB05.3	11734
Jharko, Elena.....	WeC22.5	8060
Ji, Xiaoting.....	MoA18.1	620
Ji, Yiming.....	WeB24.2	7164
Jia, Heming.....	ThA18.1	8799
Jia, Jianfang.....	MoA25.16	930
Jia, Li-min.....	FrB17.2	12122
Jia, Qing-Shan.....	WeC11.5	7671
Jia, Shengde.....	MoA18.1	620
Jia, Yongnan.....	WeB09.5	6668
Jia, Yunyi.....	FrB06.2	11767
Jiang, Bin.....	MoB05.4	1096
.....	MoC03.6	1959
.....	FrB03.1	11647
Jiang, Bomín.....	ThC08.5	10200
Jiang, Boyi.....	MoA07.3	237
Jiang, Dapeng.....	ThA18.1	8799
Jiang, Fei.....	ThC12.2	10293
Jiang, Guangxin.....	ThC17.1	10463
Jiang, Kening.....	ThC24.1	10713
Jiang, Tiantian.....	ThB19.6	9709
Jiang, Yongheng.....	MoC23.6	2664
Jiang, Yu.....	ThB21.2	9756
Jiang, Zhengxian.....	WeB04.5	6490
Jiang, Zhong-Ping.....	ThB21	CC
.....	ThB21	O
.....	ThB21.2	9756
Jiao, Xiaohong.....	WeA08.6	5697
Jie, Qi.....	MoB07.2	1152
Jikuya, Ichiro.....	FrB05.5	11743
Jimenez, Pedro.....	TuB21.4	4322
Jimenez Carrizosa, Miguel.....	MoA15.3	523
Jimenez-Lizarraga, Manuel.....	WeA18.5	6050
Jin, Huiyu.....	MoB16.4	1489
Jin, Jiong.....	MoB01.5	987
Jin, Jun.....	FrB20.6	12255
Jin, Lina.....	MoB25.8	1819
Jin, Ying.....	FrB03.5	11673
Jin-Peng, Qi.....	MoB07.2	1152
Jing, Yuanwei.....	MoC25.2	2715
.....	FrB03.5	11673
Jiongqi, Wang.....	ThA03.1	8259
Jiya, Jibrin Danladi.....	MoA12.6	438
Jo, Inseong.....	TuB25.3	4453
Jóźwiak, Ireneusz.....	TuB25.18	4547
Joao Junior, Vilmarque.....	MoB02.2	1011
Jóhannsson, Hjörtur.....	ThB01.5	9093
Johansen, Tor Arne.....	ThB11.4	9412
Johansson, Andreas.....	MoA02.5	61
Johansson, Karl H.....	MoA17	CC
.....	MoA17	O
.....	MoA17.4	599
.....	MoC03.1	1928
.....	TuB17	C
.....	TuB17.1	4170
.....	WeA04	C
.....	WeA04.3	5532
.....	WeB04.4	6484
.....	FrB11.1	11910
Johansson, Krister.....	FrB08.2	11842
Johansson, Rolf.....	TuB02.3	3690
.....	ThB09.2	9327
.....	ThC09.4	10230

	FrA06	C
	FrA06.3	10934
Johnson, Robert D.	MoA19.5	671
	MoB19.2	1568
	TuC21.5	5223
	ThC12.6	10319
Johnsson, Charlotta	TuA16.5	3315
	ThA25.5	9038
	FrB20.6	12255
Jones, Bryn LI	ThB08.3	9295
	ThC20.1	10568
Jones, Colin, N	MoC13.2	2285
	MoC13.6	2310
	TuC18.3	5145
	FrA12.5	11153
	FrB13.2	11980
Jones, Kevin	MoB09.1	1222
Jones, Thomas	TuP22b.1	*
Jonnalagedda, Venkatesh	WeA22.2	6168
Joos, Hans-Dieter	TuA21.4	3489
Jorgensen, John Bagterp	MoA07.2	231
	MoC07	C
	MoC10	CC
	MoC10.5	2207
	TuA10.1	3062
	TuA10.3	3074
	TuA10.5	3086
Josevski, Martina	MoC08.5	2132
Jost, Michael	MoA12.3	419
Ju, Dayuan	WeA06.5	5617
Ju, Feng	MoB22.5	1692
Jubien, Anthony	ThA06.5	8391
Judalet, Vincent	ThB03.3	9152
Judge, Mark	TuB25.8	4484
Juelsgaard, Morten	TuB12.2	4030
Julvez, Jorge	TuC23.2	5270
Jung, Ho Youl	WeB13.6	6826
Jungers, Raphaël M.	WeA17.2	5992
	WeB04	CC
	WeB04.2	6472
Junnuri, Rameshkumar	WeB03.4	6448
Juuso, Esko Kalevi	MoC20.6	2564
K		
Kaczorek, Tadeusz	TuA05	CC
	TuA05.5	2909
Kadlic, Branislav	WeB18.4	6982
Kagei, Seiichiro	TuA24.2	3569
	TuA24.5	3587
Kahagalage, Sanath	TuC23.5	5290
Kainan, Cui	ThB24.2	9853
Kaiser, Gerd	FrB14.1	12010
Kaistha, Nitin	TuC10.2	4879
	WeC10.5	7641
Kajan, Slavomir	FrA25.1	11589
Kaldmäe, Arvo	WeC13.3	7729
	WeC13.4	7735
Kalinowski, Jordan	MoC23.4	2652
	ThA08.4	8457
Kallakuri, Pavanasirisha	ThB11.1	9394
Kallasi, Fabjan	TuA18.6	3388
Kallesøe, Carsten Skovmose	FrB11.3	11926
Kaluz, Martin	ThA25.8	9057
Kamat, Shivaram	WeB03.4	6448
Kaminer, Isaac	ThA23.5	8977
Kammerer, Roland	FrB21.4	12284
Kamoi, Shun	WeA07.4	5647
Kanamori, Mitsuru	ThB09	C
	ThB09.1	9321
	ThC09	CC
Kaneda, Yasuaki	WeA21.6	6153
Kang, Chang Ho	TuA15.2	3250
Kang, Chang Mook	FrB14.5	12035
Kang, Chul-Goo	FrB17.4	12134
Kang, Mingxin	WeA08.6	5697
Kang, Wei	MoB01.1	963
Kano, Hiroyuki	ThB03.5	9165
Kanthabhabhajeya, Sathyamyla	MoB22.4	1684
Kao, Hung-An	WeB22.2	7104
Käpernick, Bartosz	MoC02.1	1892

Kapitanyuk, Yuri	WeC02.5	7342
	.ThA25.9	9063
Kapitonov, Aleksandr	MoB11.2	1302
	WeC02.5	7342
	.ThA25.9	9063
Kar, Koushik	MoA24.6	851
Karabegovic, Alen	.ThA07.2	8409
Karageorgos, Anthony	MoC16.5	2408
Karayiannidis, Yiannis	MoA09.3	311
Karbing, Dan Stieper	.ThA07.6	8433
Karbowski, Dominik	WeC17.5	7886
Karcanias, Nicos	TuC05.6	4727
Karer, Gorazd	TuB22.3	4352
Kári, Béla	TuA24.6	3593
Karimi, Alireza	MoC21	C
	MoC21.4	2588
	.TuC11.3	4921
	WeA21	CC
	WeA21.4	6141
	WeB16	CC
	WeB16.3	6914
Karimi, Hamid Reza	WeA02.3	5461
	WeB12.6	6788
Kariotoglou, Nikolaos	.ThC08.6	10207
Karkee, Manoj	WeC24	CC
	WeC24.1	*
Karlsson, Robert S	.ThC03.1	9998
Karrar, Abdelrahman	.ThA01.5	8210
Kashima, Kenji	MoB23.6	1736
Kashino, Kunio	WeA03.3	5497
Kasl, Zdenek	MoB09.2	1228
Kaspar, Stephan	FrB14.2	12016
	FrB14.3	12023
Kaszkuwicz, Eugenius	WeB20.1	7031
Kataev, Dmitry	.ThB01.4	9087
Katayama, Tohru	TuB03.1	3714
Katebi, Reza	TuA03	CC
	TuA03.1	2830
Kawai, Fukiko	MoA05	CC
	MoA05.1	146
Kawano, Yu	.ThB13.4	9480
Kaymakci, Ozgur Turay	FrB17.5	12140
Kaynak, Okyay	WeC05.1	7430
Kazeroonian, Atefeh	MoB23.5	1729
Kazi, Faruk	WeA02.6	5479
Kchaou, Mourad	WeA25.10	6313
Kearney, Mike-Alec	WeC19.1	7929
	WeC19.2	7935
Keck, Alexander	WeC06.1	7467
Keel, Lee H.	WeB05.1	6502
	.ThB11.1	9394
Keighobadi, Jafar	MoC24.1	2673
	.TuB25.17	4541
	WeB25.15	7278
Keller, Martin	.ThB23.2	9822
Kellett, Christopher M.	FrB01.5	11641
Kelly, Scott David	WeA13.2	5859
Kemmetmueller, Wolfgang	FrB01.2	11623
Kennel, Fabian	MoA05.3	158
Kernschmidt, Konstantin	MoA20	CC
	TuA20.1	3431
Kerr, Murray Lawrence	TuA21.1	3471
Kerrigan, Eric C.	TuA06.4	2939
	WeC11.1	7647
	.ThB15.3	9545
Keshmiri, Mohammad	WeB25.9	7239
Keßler, Jan Henning	MoA18.2	626
Kester, Leon	FrA17.2	11318
Keusch, Dominik	MoA17.3	593
Keviczky, Tamas	TuA21.3	3483
Khammash, Mustafa H.	MoB23.2	1711
	.ThP11.1	*
Khan, Bilal	.ThA05.3	8347
Khayatian, Alireza	WeA02.3	5461
Khayyer, Pardis	WeC17.3	7873
Khmelik, Mikhail Sergeevich	MoA01.5	25
Khodaverdian, Saman	TuC04	CC
	TuC04.5	4687
Khondabi, Amir Vaseghi	.ThC22.3	10652

Khong, Sei Zhen	ThC02.3	9973
	ThC11.1	10251
Khorrami, Farshad	TuB02.6	3708
Khoshfetrat Pakazad, Sina	MoC21.5	2594
	ThB16.4	9587
Kianfar, Kaveh	MoB13	C
	MoB13.1	1367
Kianfar, Roozbeh	ThC23.5	10700
Kiani, Arman	MoC01.3	1873
Kibangou, Alain	WeA04.2	5526
Kieleczawa, Antonina	FrA20.5	11444
Kienle, Achim	MoB23.1	1705
Kier, Thiemo	TuA19.4	3413
Killian, Michaela	FrB15.1	12048
Kim, Chang Won	ThC23.4	10694
Kim, Dong-Hoon	MoA20.3	695
Kim, Dong-Seong	WeC18.4	7911
	ThC18.5	10524
Kim, Ho-Yeon	FrB17.4	12134
Kim, Jin Hyo	MoB06.2	1114
Kim, Jongrae	MoB21	C
	MoB21.6	1661
	ThB18.4	9661
Kim, Kwang-Ki	ThB15.4	9551
Kim, Mingu	MoC19.3	2509
Kim, Namdoo	WeC17.5	7886
Kim, Namwook	WeC17.5	7886
Kim, Sang Hyun	WeA14.3	5902
Kim, Seok-Kyoon	FrA12.1	11129
Kim, Sun Young	TuA15.2	3250
Kim, Wonhee	FrB14.5	12035
Kim, Yoonsoo	MoB25.6	1808
	ThC13.6	10356
Kim, Youdan	MoA25.8	888
	MoC19	CC
	MoC19.2	2503
	MoC19.3	2509
	TuA19	C
Kimmel, Marek	FrA23	CC
	FrA23	O
	FrA23.1	11518
	FrA23.5	11542
	FrA23.6	11547
Kimura, Shunsuke	ThA13.3	8629
King, Bruce R.	MoC07.3	2082
King, Rudibert	MoA10.2	346
	WeA10.2	5746
Kinnaert, Michel	FrA21	CC
	FrA21.2	11458
Kiseleva, Maria	WeA13.4	5872
Kishida, Masako	MoB21.6	1661
Kitaeva, Anna	ThC25.3	10748
Kitajima, Tatsuo	FrB07.4	11818
Kizilkale, Arman C.	MoC01.2	1867
	ThA15.3	8705
Klamka, Jerzy	FrA23.3	11530
	FrB05.4	11740
Klancar, Gregor	TuA19.1	3395
	TuC25.3	5339
Klauco, Martin	MoA17.1	581
Klein, Cristian	MoA20.2	689
Klein, Philipp W.	TuA20.4	3450
Klunder, Gerdien	FrA17.2	11318
Knorn, Steffi	ThB04.1	9171
Knörzner, Andreas	MoB07.6	1176
Knudsen, Brage Rugstad	MoC25.3	2721
Knudsen, Jesper	MoC01.3	1873
Knüppel, Torsten	TuC19.3	5175
	WeC02.2	7324
Ko, Hoo Sang	TuB20.1	4266
Kobayashi, Koichi	MoC17.5	2442
Kobi, Abdessamad	MoC03.2	1935
Kocaoglan, Erol	MoB24.1	1742
Kochetkov, Sergey	TuB05.6	3821
	WeC25.1	8134
Coegel, Markus J.	FrA10	CC
	FrA10	O
	FrA10.3	11073
Koenig, D.	WeB02.6	6424

.....	ThA05.4	8353
Koepl, Heinz.....	MoB23	O
.....	MoB23.4	1723
Kofman, Ernesto.....	WeB05.3	6514
Koike, Masakazu.....	TuB01.3	3657
.....	TuC01.4	4571
Koivo, Heikki.....	TuA23	C
.....	TuA23.3	3539
Kojima, Chiaki.....	WeA04.4	5538
Kok, Manon.....	MoA03.2	79
.....	MoA03.4	92
Kolechkina, Alla G.....	TuC24.4	5315
Kolewe, Björn.....	MoA25.2	863
.....	ThA21.6	8909
Kolling, Andreas.....	TuA09.5	3048
Kolmanovsky, Ilya V.....	MoC02.6	1922
Kolpakova, Ekaterina.....	FrA18.6	11381
Kolyubin, Sergey.....	MoB11.2	1302
.....	FrA16.4	11294
.....	FrB16.4	12104
.....	FrB16.5	12110
Komada, Gakuto.....	WeB25.8	7233
Kondratyeva, Natalya.....	WeA13.4	5872
Konduri, Shyamprasad.....	WeC23.5	8097
Kong, Kyoungchul.....	MoC09	C
.....	MoC09.1	2147
.....	TuA23.6	3557
.....	WeB25.10	7246
Kong, Zhaodan.....	TuC23.3	5276
Koorts, Ryan.....	MoA10.3	352
Kopacek, Bernd.....	TuA22.1	3503
Kopacek, Peter.....	TuA22	C
.....	TuA22.1	3503
.....	TuB25.15	4529
.....	ThB24.6	9875
.....	FrA20	C
.....	FrA20.1	11419
.....	FrA20.2	11425
.....	FrA20.5	11444
Kopp, Rüdger.....	WeB07.5	6593
Kora, Kazuto.....	FrB07.6	11830
Korba, Petr.....	MoB01	CC
.....	TuA25.2	3605
Korbicz, Jozef.....	WeB11.3	6735
Korda, Milan.....	MoC13.2	2285
.....	MoC13.6	2310
Korde, Umesh.....	WeC12	CC
.....	WeC12.2	7690
Kornev, Dmitri.....	MoB18.3	1550
Korondi, Peter.....	WeA09.3	5715
Korpela, Timo.....	MoB12.5	1355
.....	MoB12.6	1361
Korte, Matthias.....	FrB14.1	12010
Kosanke, Kurt.....	TuA16.2	3292
Koschmieder, Felix.....	MoB11.3	1308
Koschorrek, Philipp.....	ThA21.6	8909
Koseki, Takafumi.....	MoA09.6	332
Koshkin, Gennadiy M.....	WeB15.3	6884
Kotenkoff, Alexandre.....	TuB09.1	3936
Kothari, Mangal.....	MoC04.3	1977
.....	ThB03.1	9141
.....	ThB03.4	9159
Kotta, Ülle.....	WeC13	C
.....	WeC13.3	7729
.....	WeC13.4	7735
Kotyczka, Paul.....	MoA19.2	652
.....	FrA13.5	11189
Kou, Qi.....	WeA12.5	5838
Kouvaritakis, Basil.....	MoC13.3	2291
.....	FrB13.5	11998
Kovács, András.....	TuB01.4	3663
Kovács, Bence.....	WeA09.3	5715
Kovacs, Levente.....	ThB07	C
.....	ThB07.1	9247
.....	ThB07.5	9271
Kovács, Zoltán.....	TuC10.5	4897
Kovatchev, Boris.....	MoA07.3	237
.....	MoA07.6	255
Kowalczyk, Marek.....	ThB06.2	9216

Kowalewski, Stefan	.....WeB07.5	6593
Kozak, Stefan	.....TuC11.1	4909
.....	.....TuC11.5	4933
Kozáková, Alena	.....TuC11.1	4909
.....	.....TuC11.5	4933
Kozek, Martin	.....ThA25.2	9019
.....	.....FrB15.1	12048
Kozłowski, Krzysztof R.	.....WeC13.2	7723
Košan, Tomáš	.....ThA14.3	8669
Kral, Ladislav	.....WeA16.3	5969
Kramer, Boris	.....WeC14.3	7767
Krasnova, Svetlana	.....TuB05.6	3821
Kremlev, Artem	.....TuA07.1	2951
Krener, Arthur J.	.....TuB02.2	3682
Kretschmer, Joern	.....ThB25.2	9886
.....	.....ThB25.8	9919
Kreuter, Hans-Peter	.....WeB24.6	7190
Krier, David	.....FrB14.4	12029
Krishnadas, Dhruva R.	.....WeB01.5	6380
Krishnamurthy, Prashanth	.....TuB02.6	3708
Krokavec, Dusan	.....ThA15.2	8699
Kroll, Andreas	.....TuA14.4	3226
Kron, Aymeric	.....ThB19.2	9685
Kropinski, Michael	.....WeC17.5	7886
Krstic, Miroslav	.....MoB19.1	1562
.....	.....TuA15.6	3274
.....	.....WeC14.1	7755
.....	.....FrA19.1	11385
Krueger, Minjia	.....ThC21.6	10634
.....	.....FrA21.4	11470
Kruger, Gert Lodewikus	.....WeB25.11	7252
Krukhmalev, Victor	.....ThA23.1	8953
Krupinski, Szymon	.....WeA09.5	5726
Kruppa, Kai	.....ThB13.3	9474
Kruszewski, Alexandre	.....WeC20.6	7994
Krysander, Mattias	.....ThC11.1	10251
Krysin, Dmitriy	.....TuA19.6	3425
Krzeslak, Michal	.....FrA23.4	11536
Kuang, Sen	.....ThC02.6	9991
Kubo, Tomohiro	.....WeA11.6	5808
Kucera, Vladimir	.....TuC05	C
.....	.....TuC05.1	4699
.....	.....TuC05.3	4709
Kudo, Takeshi	.....MoC12.5	2273
Kugi, Andreas	.....WeA21	C
.....	.....WeB24.6	7190
.....	.....WeC14	CC
.....	.....WeC14.2	7761
.....	.....ThC22	C
.....	.....ThC22.2	10646
.....	.....FrB01.2	11623
Kühn, Jan	.....WeB07.5	6593
Kuindersma, Lucas	.....MoB06.5	1134
Kulcsar, Balazs	.....FrA17	C
.....	.....FrA17.5	11338
Kumar, Pushpendra	.....WeC23.6	8103
Kumar, Rajesh	.....WeB25.12	7258
Kumar, Vivek	.....WeC10.5	7641
Kumkov, Sergey	.....MoB18	CC
.....	.....MoB18.2	1543
Kundu, Soumya	.....WeA01.3	5419
Kunz, Dominique	.....MoA17.3	593
Kupczyk, Martyna	.....TuB25.5	4465
Kuramoto, André Seichi Ribeiro	.....MoA10.5	364
Kurowski, Martin	.....WeA19.2	6068
Kurzhanski, A.B.	.....MoB21.5	1655
Kutadinata, Ronny Jonathan	.....TuC16.3	5067
Kuznetsov, Nikolay	.....WeA02.1	5445
.....	.....WeA13.4	5872
.....	.....WeB13.5	6818
.....	.....ThA02.6	8253
Kvasnica, Michal	.....MoA17.1	581
.....	.....MoB02.6	1035
.....	.....ThC11.5	10275
Kwatny, Harry	.....MoA11.3	389
.....	.....WeB01.6	6386
Kwon, Ji-Wook	.....MoB06.2	1114
Kwon, Ohmin	.....WeB13.6	6826

La Scala, Massimo	MoC16.3	2394
Labidi, Mouchira	ThC12.4	10305
Lacalle, Matias	MoB15.4	1459
Lacerda, Márcio J.	TuC15.6	5049
Lafay, JeanFrancois	TuC05	CC
	TuC05.4	4715
Laforgia, Domenico	WeC17.1	7861
Lafortune, Stephane	MoC17	C
	MoC17.1	2414
	MoC17.2	2422
Lages, Walter Fetter	WeB17.3	6947
Laguna, Rubén	MoA03.6	104
Laing, Hamish	TuB07.3	3875
	ThA07.1	8403
Lakatos, Dominic	WeB02.1	6392
Laleg, Taous-Meriem	TuA17.2	3327
	TuB03.4	3732
Lalevéé, Philippe	TuA16.4	3309
Lalik, Anna	FrA23.2	11524
Lam, Xuan-Binh	ThB14.1	9498
Lamara, Abderrahim	TuC21.4	5217
Lamarche, Tom	ThA09.2	8481
Lambeck, Steven	TuC25.9	5375
	ThA05.2	8341
Lambermont, Bernard	WeA07.6	5659
	ThB25.7	9913
Lambert, Nico	WeB23.1	7122
Lammersen, Thomas	TuA10.4	3080
Lamnabhi-Lagarrigue, Françoise	MoA15.3	523
	MoA15.6	540
	MoA16.1	546
	MoA16.5	569
	TuC13	C
	TuC13.1	*
Lamouri, Samir	WeC16.2	7831
Lamparter, Steffen	TuA20.3	3444
Lampe, Bernhard P.	MoA25.2	863
	WeA19	C
	WeA19.2	6068
Lamperski, Andrew	TuA04	CC
	TuA04.1	2854
Lan, Xuejing	MoA25.9	894
Lang, Moritz	MoA23.3	796
Lang, Zi-Qiang	ThA03.4	8278
Lange, Les	TuA22.5	*
Langlois, Nicolas	TuA17.5	3346
Lanini, Jessica	TuA24.1	3563
Lantz, Mark	WeA14.2	5896
Lanusse, Patrick	TuC21.4	5217
	WeC05	C
	WeC05.2	7436
Lanzilotto, Alessandra	MoA22.2	754
Lanzon, Alexander	TuA04.5	2878
Larmi, Martti	TuA08.4	3006
Laroche, Béatrice	WeA23.2	6198
Larraza, Sebastian	ThA07.6	8433
Larsen, Jesper Abildgaard	TuB21.3	4316
	WeA12	CC
	WeB12.3	6770
	ThB10.1	9359
Larsson, Andreas	FrB20.6	12255
Larsson, Christian A.	MoB14.2	1410
	MoB14.4	1422
Larsson, Viktor	WeC17.2	7867
Lassoued, Zeineb	MoA03.5	98
Lastire Olmedo, Enrique Alan	WeB18.2	6971
Lataire, John	ThC03.5	10024
Latrech, Chedia	WeA25.10	6313
Lau, Henry	WeA22.5	6186
Lau, Vincent	MoA04.3	122
Lau Young, Jade	TuC07.5	4796
Lauber, Jimmy	MoC20.5	2558
	TuA08.2	2994
	WeC20.3	7976
Laurí Pla, David	ThC21.2	10610
Laurijsse, Marcel	FrA21.1	11450
Laurikkala, Mikko	WeA25.16	6350
Laursen, Thomas Kongensbjerg	WeB12.3	6770
Lautala, Pentti	MoB12.5	1355

Lavretsky, Eugene	TuB16.6	4164
Law, Yee Wei	MoB01.5	987
Lazar, Corneliu	ThC13.3	10337
Lazar, Mircea	MoC13	C
	MoC13.4	2297
	WeA17	C
	WeA17.4	6007
	WeB02	C
	ThA13.2	8623
	ThA13.5	8642
	FrA18.1	11350
	FrB11.2	11917
Le Claire, Jean-Claude	FrB12.2	11950
Le Compte, Aaron	ThC07.3	10150
Le Corronc, Euriell	ThC15.2	10397
Le Gorrec, Yann	MoA19	CC
	MoA19	O
	MoB19	CC
	MoB19	O
	MoB19.4	1580
	TuC19	CC
	TuC19	O
	WeC06.5	7492
	ThB02.2	9111
	FrA06.6	10952
	FrA19.4	11404
Le Menec, Stephane	MoB18.2	1543
	TuB09	O
	TuB09.1	3936
Le Roux, Johan Derik	ThB22.2	9792
le Roux, Ronnie Rikus	MoB11.5	1320
Leśniewski, Piotr	TuC02	C
	TuC02.1	4589
Leang, Kam K.	MoB06.4	1126
Leboucher, Cedric	TuB09.1	3936
Lechat Sanjuan, Sylvain	ThB12.1	9425
Leclaire, Patrice	ThA16.1	8731
Lecuire, Vincent	WeB24.3	7170
Lee, Chih Feng	ThC11.1	10251
Lee, Chung Woo	WeA14.3	5902
Lee, Dong-Chan	FrB17.4	12134
Lee, Jay	WeB22.2	7104
Lee, Jay H.	MoC25	C
	ThB15.4	9551
Lee, Kuan Waey	MoA13	CC
	MoA13.2	451
Lee, Kwang Y.	MoB01.6	999
	MoB15.2	1446
	TuB01	C
	TuB01.5	3670
	TuC12	CC
	WeC01.1	7284
	ThC01.3	9936
	FrB01	C
	FrB11.5	11938
Lee, Nam-Jin	FrB17.4	12134
Lee, Sang-Hoon	ThA06.3	8378
Lee, Sang-Sub	ThA06.3	8378
Lee, Sangmoon	WeB13.6	6826
Lee, Seung-Hi	WeA14.3	5902
	ThC23.6	10706
Lee, Shinje	ThB18.4	9661
Lee, Tae Hee	WeB13.6	6826
Lee, Won Hee	TuA19.3	3407
Lee, Yong Kuk	ThB18.4	9661
Lee, Young Il	FrA12.1	11129
Lee, Youngwoo	WeA14.3	5902
Lefevre, Laurent	TuC19.1	5163
	FrA19.3	11398
Legat, Christoph	TuA20.3	3444
	WeA20.1	6092
Lei, Mo	WeA04.5	5544
Leibovici, Leonard	WeA07.5	5653
Leidereiter, Conrad	FrA10.5	11087
Leite, Antonio C.	ThA09.4	8496
Leite, Valter J. S.	FrA08.2	11000
Leitner, Martin	TuA19.4	3413
Leiviska, Kauko	FrA22.4	11506
Lemoine-Nava, Jose Roberto	ThB10.4	9376

Lemort, Vincent	MoC10.3	2195
Lendek, Zsofia	WeC20	CC
	WeC20	O
	WeC20.1	7965
	WeC20.3	7976
Leng, Yusong	ThC17.3	10475
Lennartson, Bengt	MoB22	C
	MoB22.4	1684
	MoC17.6	2448
	ThC25.4	10754
Lennox, Barry	MoC25.1	2709
	WeA23.6	6222
	ThC21.2	10610
Lenz Cesar, Eduardo	MoA15.5	534
Leonard, Francois	WeA06.2	5598
Leonard, Naomi Ehrich	MoP11.1	*
Leong, Alex	WeA04.3	5532
Leonhardt, Steffen	WeB07	CC
	WeB07	O
	WeB07.2	6575
	WeB07.6	6599
	WeC07	C
	ThC07.4	10156
Leonov, Gennady	WeA02.1	5445
	WeA13.4	5872
	WeB13.5	6818
	ThA02.6	8253
Leonow, Sebastian	TuC21.6	5229
Lepage, Francis	WeB24.3	7170
Lepelletier, Guillaume	TuA16.4	3309
Lerm, Rafael	FrB21.2	12272
Leroy, Thomas	TuC08.2	4813
Leska, Maik	MoA25.18	942
Lesobre, Antoine	TuC21.4	5217
Leth, John	WeB19.4	7019
Leva, Alberto	MoA12.1	407
	MoA20.5	707
	FrA01.5	10796
	FrB01.3	11629
Levänen, Erkki	ThC03.3	10012
Leventides, John G	TuC05.6	4727
Levine, Jean	TuA05.2	2891
	WeA13	C
	FrB13.4	11993
Levy, Maital	TuB09.2	3942
Lewis, Frank L	TuA12.2	3140
	ThA20.1	8867
Lewis, Karen	WeC24.1	*
Lewoc, Jozef Bohdan	FrA20.5	11444
Lezoche, Mario	MoC16.1	2382
Lhoste, Pascal	ThA17.2	8768
Li, Chanying	ThC17.6	10493
	FrA14.5	11225
Li, Dayou	TuC17.3	5103
Li, Dewei	ThC15.6	10421
	ThC17.2	10469
Li, Donghai	MoA12.2	413
	WeA11.5	5802
Li, Duan	ThA24.5	9007
	ThC24.1	10713
Li, Gang	ThC21.3	10616
Li, Guang	TuB23.3	4382
Li, Guang	ThC06	CC
	ThC06.1	10101
	FrB13	C
	FrB13.3	11987
Li, Haibo	MoA10.1	338
Li, Hao	TuA25.6	3623
Li, Heng	TuA25.6	3623
Li, HongBo	MoB25.10	1831
Li, Huiping	ThC04.6	10066
Li, Jingshan	MoB22.2	1672
	MoB22.5	1692
Li, Jiwei	ThC15.6	10421
Li, Jun	ThB16.2	9575
Li, Juntao	MoB25.10	1831
Li, Kang	MoA15.1	511
	MoA22	C
	MoA22	CC

.....	MoA22.5	766
Li, Kang.....	MoC02.5	1916
.....	TuC12.2	4947
Li, Kang.....	TuC14.1	4979
.....	ThA12.3	8594
.....	ThC11.6	10281
Li, Kezhi.....	WeB15.2	6878
Li, Liran.....	TuA25.6	3623
.....	WeB17.5	6959
Li, Luyang.....	ThC09.5	10236
Li, Nan.....	TuA25.3	3611
Li, Ning.....	MoC02.5	1916
.....	TuC12.2	4947
.....	ThC11.6	10281
Li, Shaoyuan.....	MoC02.5	1916
.....	MoC09	CC
.....	MoC09.2	2153
.....	TuC12.2	4947
.....	ThC11	C
.....	ThC11.6	10281
.....	FrB15	C
.....	FrB15.5	12074
Li, Shihua.....	ThC02.2	9968
Li, Shurong.....	WeC18.2	7898
Li, Tao.....	TuC04.6	4693
Li, Wenqing.....	MoC25.7	2746
Li, Wuquan.....	WeC02	C
.....	WeC02.6	7348
Li, Xianwei.....	TuB05.4	3809
.....	WeC05.1	7430
Li, Xiaoli.....	ThB20.2	9721
Li, Xiaou.....	TuC06.5	4760
.....	ThA25.4	9032
Li, Xin.....	MoA08.5	287
Li, Xun.....	ThB21.1	9750
Li, Yanjun.....	MoB25.7	1813
.....	ThA14.6	8689
Li, Yaping.....	TuA01.6	2788
Li, Yuan.....	WeA15.5	5945
Li, Yueyang.....	WeC21.1	8000
Li, Yuzhe.....	MoA04.3	122
Li, Zheng.....	TuC01.2	4560
Li, Zhengxi.....	WeA12.5	5838
.....	ThB20.2	9721
Li, Zhibin.....	ThA06.4	8384
Li, Zhiwu.....	MoC17.3	2429
Li, Zhuo.....	MoC05.2	2010
.....	TuA05.3	2897
Lian, Chengbin.....	MoA25.4	869
Lian, Jie.....	WeA17.5	6013
Liang, Feng.....	FrA09.2	11030
Liao, Yongxin.....	MoC16.1	2382
Liberzon, Daniel.....	MoA21.3	730
.....	MoB16.2	1477
Lichtenberg, Gerwald.....	ThB06.5	9235
.....	ThB13.3	9474
Lill, Raimar.....	MoB20.2	1599
Lim, Jaewoo.....	MoB15.2	1446
Lima, Aurelio.....	WeA09.2	5709
Lima, Raul Gonzalez.....	WeC07.6	7535
Limebeer, David.....	TuC21.3	5211
.....	WeC08	C
.....	WeC08.2	7547
Limon, Daniel.....	FrA10.2	11067
Lin, Chun-Liang.....	MoB20.4	1613
Lin, Hong.....	TuC15.1	5017
Lin, Liyong.....	ThC04.3	10048
Lin, Qun.....	WeC18.1	7892
Lin, Zhiyun.....	WeA01.6	5439
.....	ThC04.1	10036
.....	FrA09.2	11030
Lin, Zongli.....	MoA08.1	263
.....	ThB21.6	9780
Lin-Shi, Xuefang.....	FrA13.6	11195
Lindberg, Johan.....	TuA08.5	3012
Lindberg, Mikael.....	ThA16	CC
.....	ThA16.4	8749
Linder, Jonas.....	MoA06.2	191
.....	WeB03.5	6454

Lindert, Sven-Olaf	WeA13	CC
	WeA13.5	5878
Lindholm, Anna	TuB10	CC
	TuB10.1	3966
Lindkvist, Simon	MoA06.2	191
Lindner, Brian	ThA21.5	8903
Lindquist, Anders	TuC15.5	5040
	ThC15	C
	ThC15.3	10403
Lindsten, Fredrik	TuB14.1	4097
	ThA14	C
	ThA14.1	8656
	ThA14.4	8675
Linnenberg, Tobias	MoB15.3	1452
Lino, Paolo	TuA05.6	2915
Lippiello, Vincenzo	MoB09.3	1234
Little, Jack	WeP22.1	*
Littlejohn, Elizabeth	MoA07.5	249
Liu, Andong	TuB04.3	3764
Liu, Baisi	MoB25.2	1784
Liu, Bing	FrA16.5	11299
Liu, Chen-Ching	FrA15.1	11238
Liu, Chensheng	MoC08.1	2106
Liu, Da-Yan	TuB03.4	3732
Liu, Derong	TuB16.1	4134
	TuC14.3	4993
Liu, Dongsheng	FrB22.3	12311
Liu, Fei	TuC05.5	4721
	ThB10.6	9388
	FrA11.5	11123
Liu, Guangjun	TuA07.4	2969
	ThA09.2	8481
	FrA09.1	11024
Liu, Guoping	TuC15	CC
	TuC15.4	5035
	ThA04	CC
	ThA04.6	8329
	ThB09.5	9347
	ThB20.3	9727
Liu, Hao	MoB25.12	1843
Liu, Jiaguo	MoC05.2	2010
Liu, Jianchang	ThC05.2	10078
Liu, Jianfeng	ThC12.2	10293
Liu, Jiangang	ThB12.3	9438
Liu, Jiantao	TuA01.5	2782
Liu, Jie-Qiong	MoC25.8	2752
Liu, Jun	WeA17.6	6019
	WeB02	CC
Liu, Kun	WeB04.4	6484
Liu, Lei	MoA25.9	894
	TuA19.2	3401
Liu, Lei	ThB20.2	9721
Liu, Lu	ThB21.4	9768
Liu, Mingming	TuA12.3	3146
Liu, Qiang	MoC25.6	2740
	ThA21.4	8897
Liu, Qifang	WeA13.6	5884
Liu, Qin	FrB14.1	12010
Liu, Qipeng	FrB04.5	11709
Liu, Quanli	MoB03.1	1041
	WeA20.3	6105
Liu, Quansheng	TuC15.4	5035
	ThB09.5	9347
Liu, Shan	ThA14.6	8689
Liu, Shuai	ThA17.4	8781
Liu, Shuai	ThB21.3	9762
Liu, Shujun	TuA15.6	3274
Liu, Sining	WeB25.1	7196
Liu, Steven	MoA05.3	158
	ThB13.6	9492
	FrA11.3	11111
Liu, Tao	MoB10	CC
	MoB10.3	1272
Liu, Weirong	TuA25.6	3623
	WeB17.5	6959
	ThB12.3	9438
	ThC12.2	10293
Liu, Wenli	ThB24.1	9847
Liu, Xiangdong	MoA13.5	463

	WeC02.4	7336
Liu, Xiaoxin.....	MoC25.2	2715
Liu, Xue.....	WeA09.4	5721
Liu, Yang.....	MoB25.14	1855
Liu, Yannian.....	ThA02.4	8241
Liu, Yi.....	ThA14.6	8689
Liu, Ying.....	WeA20.3	6105
Liu, Yisha.....	FrB09.5	11898
Liu, Yu.....	MoB16.5	1495
Liu, Yufei.....	TuB24.6	4435
	FrA24.1	11553
Liu, YuKang.....	ThC22.1	10640
Liu, Yunhui.....	ThC09.5	10236
Liu, Zhen.....	MoA25.6	882
Liu, Zheng.....	ThA10.5	8534
Liu, Zhitao.....	FrA02.2	10814
Liu, Zhixin.....	ThB04.5	9197
	ThC15.4	10409
Liu, Zhong.....	ThB24.2	9853
Lizarralde, Fernando.....	TuC09.4	4855
	WeA09.2	5709
	ThA09.6	8509
Ljesnjanin, Merid.....	TuB04.2	3758
Ljung, Lennart.....	MoB03	CC
	MoB03.2	1047
	TuC14.4	4999
Llamas, Xavier.....	FrB08.4	11854
Llor, Ana.....	FrB12.4	11962
Lo Iudice, Francesco.....	WeA11.2	5784
Lodewijks, Gabriël.....	MoB22.6	1698
	ThA18.3	8812
	ThB23.3	9828
Lodi Rizzini, Dario.....	TuA18.6	3388
Loftus, John.....	ThC21.2	10610
Lohmann, Boris.....	ThB13.2	9468
Loiseau, Jean Jacques.....	FrA08.4	11012
Lolli, Francesco.....	TuB22.5	4364
	WeA22	O
Long, Chengnian.....	MoC08.1	2106
	WeB01	CC
	WeB01.4	6374
Long, Zhiqiang.....	ThA08.3	8451
Longhi, Sauro.....	TuB07.1	3863
Longman, Richard W.....	WeB05.2	6508
Longo, Stefano.....	TuA06.4	2939
Lopes, Gabriel.....	MoB24.4	1760
	MoC09.5	2171
	MoC09.6	2177
Lopes e Silva, João.....	TuA15.5	3268
Lopez Estrada, Francisco Ronay.....	MoB05.1	1079
López Martínez, César Augusto.....	WeC05.5	7455
López Piñeiro, David, David.....	ThB20.4	9732
Lopez-Montero, Eduardo Benedicto.....	MoC25.1	2709
Lorenzi, Giovanni.....	ThC09.1	10213
Los, Miroslav.....	FrB12.5	11968
Loskyll, Matthias.....	MoC22.3	2611
	TuB22.2	4346
	WeC16.1	7825
Lot, Roberto.....	WeC08.4	7559
Lototsky, Vladimir.....	ThB01.1	9069
Lou, Xuyang.....	WeB04.5	6490
Lou, Yangge.....	WeB21.5	7091
Loukianov, Alexander G.....	FrB12.1	11944
Lovera, Marco.....	ThA19.5	8855
	ThA19.6	8861
Lovett, David.....	WeA23.6	6222
Lovisari, Enrico.....	MoB25.13	1849
Low, Steven.....	WeA01.2	5411
Loxton, Ryan.....	WeC18.1	7892
Lozano, Rogelio.....	MoA20.6	713
	ThA19.4	8849
	FrA09.6	11055
Lozoya Gamez, Rafael Camilo.....	TuB24	C
	TuB24.5	4429
Lu, Charles Zhe.....	TuC07.4	4790
Lu, Geng.....	MoC23.6	2664
Lu, Jianbo.....	ThC17.2	10469
Lu, Jianhua.....	ThA05.1	8335
Lu, Jingyi.....	TuA10.6	3092

Lu, Jinhua	ThA16.2	8737
Lu, Joseph	ThP22.1	*
Lu, Liang	WeB19.2	7007
Lu, Liang	ThC18.1	10499
Lu, Ningyun	MoB05.4	1096
	ThA05.1	8335
Lu, Renquan	FrA13.4	11183
Lu, Shan	TuA16.5	3315
Lu, Xinglong	ThA21.4	8897
Lu, Yong-Zai	FrA04.3	10894
	FrA17.1	11311
Luan, Xiaoli	TuC05.5	4721
	FrA11.5	11123
Lucchese, Riccardo	MoC03.1	1928
	WeC04.1	7394
Luce, Tim	MoA19.5	671
	MoB19.2	1568
	TuC21.5	5223
	ThC12.6	10319
Lucia, Sergio	MoC02	CC
	MoC02.3	1904
	FrA10	C
	FrA10	O
	FrA10.6	11093
Lucia, Walter	MoC21.1	2570
Ludwig, Julian	FrB14.3	12023
Ludwig, Tomas	TuC16.1	5055
Lugo Cárdenas, Israel	MoA20.6	713
Lukoyanov, Nikolay	MoB18.3	1550
Lundahl, Kristoffer	WeA25.11	6319
Lunze, Jan	TuC04.2	4668
Lunze, Katrin	ThC07.4	10156
Luo, Guiming	TuA17	CC
	TuB01.2	3651
	WeC25.6	8164
	ThB17.1	9605
Luo, Lizi	TuA01.1	2758
Luo, Qinan	MoA25.5	876
Lutz, Benjamin	FrB01.4	11635
Lutz, Philippe	WeC06.5	7492
Lygeros, John	MoB21.4	1649
	TuB04.6	3784
	ThC08.6	10207
Lynch, Adam	MoC16.2	*
Lynn, Adrienne	ThC07.3	10150
	ThC07.6	10168
Lyu, Zeshan	MoC06.3	2052
M		
Ma, Chao	TuC12.2	4947
Ma, Liangyu	MoB01.6	999
Ma, Lianzeng	TuC25.5	5351
Ma, Shan	ThC15.5	10415
Ma, Xiaoliang	WeC23.1	8073
Ma, Xiushui	WeC10.1	7616
Ma, Ziyue	MoC17.3	2429
Maamria, Djamaleddine	TuC08.1	4807
Maass, Alejandro I.	FrA04.1	10882
Mabrok, Mohamed Abdalla	WeA16.2	5963
Macchelli, Alessandro	MoB19.4	1580
	MoB19.5	1586
Macchi, Marco	WeB22	C
	WeB22	O
	WeB22.2	7104
Machida, Yuta	FrB20.3	12237
MacKunis, William	TuC16.5	5079
	TuC16.6	5085
	WeC24.2	8110
Madani, Tarek	TuC02.4	4607
Madjidian, Daria	TuA04.3	2866
Madonski, Rafal	WeC13.2	7723
Madsen, Henrik	MoA07.2	231
Madsen, Mathias Bækdal	ThC01.5	9950
Madsen, Per Printz	TuC01.1	4553
Maestre, Jose M.	MoB08.2	1188
	WeA24.3	6240
Maffei, Alessio	ThB12.6	9456
Magangane, Luyolo Nqobile	ThA01.6	8218
Maggio, Martina	MoA20.2	689
Magni, Lalo	MoA07.6	255

	.....MoB05.5	1102
	.....MoC07.1	2070
	.....WeC05.6	7461
	.....ThC07.2	10144
Magnis, Lionel	.....ThC03.2	10004
Mahata, Kaushik	.....ThC03.1	9998
Mahdavi, Nariman	.....ThC01.1	9924
	.....ThC01.2	9930
Mahfouf, Mahdi	.....ThA16.5	8756
	.....ThB25.1	9880
	.....ThC22.3	10652
	.....ThC22.4	10658
Mahjoub, Khalid	.....ThA01.5	8210
Mahmood, Arshad	.....MoB25.6	1808
Mahmoudian, Nina	.....MoA01.2	7
Mahmud, Md. Apel	.....WeB01.3	6368
	.....WeC11.3	7659
	.....WeC11.4	7665
	.....ThA12.4	8604
	.....FrA15	CC
	.....FrA15.5	11263
Mahony, Robert	.....TuA13.2	3176
	.....FrB06.3	11773
Maier, Uwe	.....MoA12.5	432
Maione, Guido	.....TuA05.6	2915
Mairet, Francis	.....TuB23.2	4376
	.....TuC24.5	5321
Maita, Daichi	.....MoC09.3	2159
Maitelli, André Laurindo	.....MoB15.6	*
Majanne, Yrjö	.....MoB12.5	1355
	.....MoB12.6	1361
	.....TuC12	C
	.....ThA12	CC
	.....ThB12	CC
Majumdar, Saptarshi	.....TuB10.5	3992
Majzunova, Miroslava	.....FrA25.1	11589
Maksa, Melanie	.....MoB10.4	1278
Malec, Jacek	.....TuA09.6	3056
Malekpour, Shirzad	.....ThA15.5	8719
Malerba, Alessandro	.....ThA23.4	8971
Malhame, Roland P.	.....MoC01.2	1867
Mallada, Enrique	.....WeA01.2	5411
Mallet, Joel	.....TuC25.4	5345
Malti, Rachid	.....MoC05.4	2022
Malvoni, Maria	.....WeC17.1	7861
Malzahn, Jörn	.....MoA09.4	320
	.....TuA09.3	3036
Mammar, Saïd	.....TuA02.3	2806
	.....ThB03.3	9152
Man, Zhihong	.....MoB01.5	987
Manathara, Joel	.....MoC04.3	1977
Manchester, Ian	.....MoB14.6	1434
	.....ThA02	C
	.....ThA02.1	8223
Mancini, Giovanni	.....WeA11.2	5784
Manes, Costanzo	.....TuC25.6	5357
	.....ThB15.2	9540
Manfredi, Sabato	.....MoB09.3	1234
	.....TuC12.5	4967
Manganini, Giorgio	.....ThC18.4	10518
Mansell, Erin J.	.....WeA07.2	5635
Mansoori, Mehdi	.....TuC03.6	4656
Mansor, Maszatul M.	.....MoC23.1	2634
Mantovani, Giancarlo	.....TuC10.3	4885
Manuel, Isaac Luke	.....ThA14.5	8681
Manzie, Chris	.....MoA13.2	451
	.....MoA13.4	457
	.....TuB08.3	3912
	.....TuC16	CC
	.....TuC16.3	5067
	.....WeA25.1	6258
	.....ThC02	CC
	.....ThC02.3	9973
	.....FrB08.3	11848
Manzoor, Talha	.....ThC24	CC
	.....ThC24.3	10725
Mao, Zehui	.....MoB05.4	1096
	.....FrB03.1	11647
Marafioti, Giancarlo	.....ThB12.6	9456

Marano, Vincenzo	MoC08.3	2118
	WeC17	O
Marchand, Nicolas	MoA05.2	152
	WeB17.4	6953
Marchetti, Alejandro	FrA10.4	11080
Marconato, Anna	TuC14.4	4999
Marconi, Lorenzo	MoB17.5	1525
	TuA13.3	3184
	WeC25	C
	WeC25.8	8176
Marcos, Andres	TuA21.1	3471
	ThC19	CC
	ThC19	O
	ThC19.1	10529
Marcos, Marga	MoB20	C
	TuA20.2	3438
	TuB25.1	4441
	FrB21.1	12261
Maree, Johannes Philippus	MoA18	C
	MoA18.4	639
Mareels, Iven	MoB07	C
	MoB07.4	1164
	TuB08.5	3924
	WeA01	O
	WeA01.4	5426
	WeL09	CC
	WeL09.1	*
	WeC17.4	7879
	WeP22	C
Marelli, Damián Edgardo	WeC04.2	7400
Margellos, Kostas	MoB21.4	1649
Margun, Alexey	TuA07.1	2951
Mari, Daniele	MoB16.3	1483
Marian, Hélène	MoA22.7	778
Marik, Karel	MoA17.5	606
Marin, Leonardo	ThA25.6	9044
Marin, Raul	TuC18.4	5151
Marin-Hernandez, Antonio	WeC09.5	7604
Marinkov, Sava	MoA11.2	383
Marino, Alessandro	WeB09.1	6642
Marjanovic, Ognjen	MoC25.1	2709
Markdahl, Johan	MoA13	C
	MoA13.1	445
Marquardt, Wolfgang	MoC10.1	2183
Marques, Marco A.	TuC22.6	5258
Marques-Lucena, Catarina	MoA24.4	839
Márquez, Raymundo	WeC20.2	7970
	WeC20.6	7994
Marranghello, Norian	FrA17.3	11326
Marseglia, Giuseppe Roberto	MoB05	CC
	MoB05.5	1102
Martí, Rubén	MoC25.5	2734
Martin, Philippe	MoA19.1	646
Martinec, Dan	WeC23.4	8091
	ThB04.2	9177
Martinez, John-Jairo	ThA08.2	8445
Martínez Gila, Diego Manuel	ThA22.2	8921
Martins, Nardênio Almeida	TuB06.1	3827
Martins, Thiago de Castro	TuA24.2	3569
	TuC22.2	5241
	TuC22.6	5258
	WeC07.6	7535
Martins da Silva, Margarida	ThB07.3	9258
Marumo, Rapelang	WeA08.1	5665
Maruta, Ichiro	TuC14	C
	TuC14.2	4985
Marzinotto, Alejandro	ThB04.4	9190
Maschke, Bernhard	ThB02.2	9111
	FrA19.4	11404
Mascolo, Saverio	TuA17	C
	TuA17.1	3321
Masiero, Andrea	FrA04.6	10914
Masmano, Miguel	FrB21.5	12293
Mason, Emanuele	WeA24.2	6234
Mason, Paolo	ThC05.5	10096
Massa, Franck	MoC20.5	2558
Massaro, Leandro	WeA03.6	5514
Massucco, Stefano	TuB01.1	3645
Masuta, Taisuke	TuB01.3	3657

Mateo, Carlos M.....	FrB09.4	11890
Materassi, Donatello	MoC14.5	2341
Mathisen, Geir.....	ThB12.6	9456
Matikainen, Ville Valtteri.....	FrA24.3	11565
.....	FrA24.6	11583
Matko, Drago.....	TuA19.1	3395
.....	TuC25.3	5339
Matni, Nikolai.....	TuA04.1	2854
Mattei, Massimiliano.....	WeC05.4	7449
Matthew, Robert Peter	WeA17.3	5998
Matveev, Mikhail	ThB19	CC
.....	ThB19.4	9697
Maurer, Markus	ThA01.3	8196
Mauro, William	TuA11.2	3104
Maurovic, Ivan.....	ThC08.3	10188
May Dezuco, Tiago Jackson.....	MoA02.6	67
.....	TuB13.3	4074
Mayer, Barbara	FrB15.1	12048
Mayer, Frédérique.....	FrB22.4	12317
Mayne, David Q.	ThC13.4	10343
Mazenc, Frederic	WeB13.2	6800
Mbede, Jean Bosco	ThB09.6	9353
Mboup, Mamadou	ThB03.2	9147
Mc Namara, Paul	TuA12.3	3146
.....	FrA12.3	11141
McCloy, Ryan.....	MoC18.2	2462
McDaid, Andrew.....	FrB07.6	11830
McKelvey, Tomas.....	FrB08.2	11842
.....	FrB08.6	11866
Mcloone, Sean	MoC03.4	1947
.....	TuA12.3	3146
.....	ThC12	C
.....	FrA12.3	11141
McMahan, Jerry	MoB03.3	1053
Mediavilla, Margarita	ThA24.1	8983
Medioli, Adrian Mark	MoC07.3	2082
Medvedev, Alexander	TuA17.4	3340
.....	TuC15	C
.....	TuC15.3	5029
.....	ThB07.3	9258
Medvedev, Mikhail	ThA23.1	8953
Meere, Ronan	FrA12.3	11141
Meghnous, Ahmed-Rédha	FrA13.6	11195
Megretski, Alexandre	TuB04.1	3751
Mehandjiev, Nikolay.....	MoC16.5	2408
Mehmood, Adeel.....	MoA25.12	906
Mehra, Rachit.....	WeA02	C
.....	WeA02.6	5479
Mehta, Siddhartha.....	TuC16.6	5085
.....	WeC24.2	8110
Meinel, Martin.....	TuB11.2	4010
Meintanis, Ioannis	TuC05.6	4727
Mejia Torres, Leonardo Daniel.....	TuB24.5	4429
Mejias Alvarez, Luis	MoC19.1	2495
Melchior, Pierre	TuA05.2	2891
Melchiorri, Claudio	MoA09.1	299
.....	TuA18.2	3364
.....	ThA09.1	8475
.....	ThC20.6	10598
Melingui, Achille	ThB09.6	9353
Meller, Michal	WeA15.2	5927
Memon, Abdul Basit.....	WeA18.2	6032
Menary, Gary	MoA22.5	766
Mendez Gonzalez, Antonio.....	MoC04.6	1997
Mendonça, Teresa	ThB25.3	9890
Mendoza Chavez, Gilberto	TuB24.5	4429
Mendoza Enriquez, Carlos.....	TuB24.5	4429
Meng, Bin	FrB09.6	11904
Meng, Fangfang.....	ThC02.6	9991
Meng, Wei	ThC04.3	10048
Meng, Yang.....	TuC04.6	4693
Menhour, Lghani	WeB02.6	6424
Menini, Laura	MoA02	C
.....	MoA02.2	43
.....	MoB17	C
.....	MoB17	O
.....	MoB17.4	1519
.....	MoB17.6	1531
Menocci Cappabianco, Fabio Augusto	TuB07.5	3887

Meola, Daniela	MoC10.4	2201
	.ThB12.6	9456
Mercado Ravell, Diego Alberto	ThA19.4	8849
Mercantini, Jean-Marc	ThA22.4	8933
Mercère, Guillaume	ThB14.2	9504
Merchant, Richard N.	WeB07.1	6569
Mercorelli, Paolo	WeA08.3	5679
Merzouki, Rochdi	WeC23.6	8103
	ThB09.6	9353
Mesbah, Ali	TuB14.2	4103
	WeB21.3	7079
Mesghouni, Khaled	ThA17.1	8762
	ThA22.6	8947
Meskin, Nader	WeB16.2	6907
Meslay, Marc	FrB17.3	12128
Meslem, Nacim	MoA03.3	86
Messaoud, Hassani	TuB02.4	3696
Messori, Mirko	MoC07.1	2070
	ThC07.2	10144
Mettenleiter, Manuel	ThA10.3	*
Metzger, Michael	ThB01.2	9075
Meurer, Thomas	MoA19	C
	O	
	MoA19.4	665
	MoB19	C
	MoB19	O
	TuC19	C
	TuC19	O
	WeC14.2	7761
Mevel, Laurent	WeC03.5	7382
	ThB14.1	9498
Meyer, Ewald Jonathan	ThB22.4	*
Meyer, Yizhaq	MoC19.5	2521
Meyers, Johan	WeA12.1	5814
Michaels, Lawrence	WeC17.5	7886
Michel, Pierre	WeB08.6	6636
Micheli, Michele	TuA18.5	3382
Michelin, Thiago	TuC22.5	5252
Michelini, John	WeC08.1	7541
	WeC20.4	7982
Michiels, Wim	FrA08.3	11006
Micu, Sorin	FrA18.4	11369
Middleton, Richard	MoB17	CC
	MoB17.2	1507
	WeA05.3	5568
	ThB04.1	9171
	ThC03	C
	ThC03.1	9998
Mifdal, Lahcen	WeC22.2	8042
Mihaita, Adriana Simona	ThA17.2	8768
Mikami, Yuya	ThC09.2	10219
Miklovicova, Eva	TuC16.1	5055
Miles, Mervyn	WeA14.4	5908
Milik, Adam	TuB25.7	4477
Millane, Alexander James	FrA16.2	11281
Mills, Andy	MoC23.1	2634
Milonidis, Efsthios	TuC05.6	4727
Mimmo, Nicola	TuA13.3	3184
Min, Suk Ki	ThC23.4	10694
Minchala, Luis Ismael	TuC25.1	5327
Miranda, Cheasare	MoB24.5	1766
Miranda, Conrado	WeC09.1	7579
Miranda Cruz, Daniel	MoB02.2	1011
	FrA22.2	11494
Mirzaei, Mahmood	WeB12.5	6782
	FrA12.6	11159
Misgeld, Berno	WeB07	C
	WeB07	O
	WeB07.2	6575
	WeB07.6	6599
	ThA07	CC
	ThC07.4	10156
Mishra, Sandipan	MoA24.6	851
Mishra, Sukumar	ThB12	C
Miskovic, Nikola	TuB18.4	4228
	TuB18.5	4234
Mitani, Yasunori	MoC12.5	2273
Mitcheson, Paul D	MoA02.4	55
Mitra, Kishalay	TuB10.5	3992

Miu, Karen.....	WeB01.6	6386
Miwa, Nobuya.....	WeB03.4	6448
Miyagi, Paulo Eigi.....	MoB05.3	1090
Miyasato, Yoshihiko.....	TuB16	CC
.....	TuB16.4	4152
.....	TuB16.5	4158
Mizuno, Takeshi.....	TuC06.3	4748
Moarref, Miad.....	WeA18.3	6038
Moase, Will.....	MoA13.2	451
.....	MoA13.4	457
.....	TuC16.3	5067
Modak, Dipali.....	WeB03.4	6448
Moeller, Knut.....	TuB07	CC
.....	TuB07	O
.....	ThB25.2	9886
.....	ThB25.8	9919
Mogensen, Mads Lause.....	WeA07.5	5653
Mogilicharla, Anitha.....	TuB10.5	3992
Mohamed, Benbouzid.....	FrB03.3	11659
Mohamed, Tadjine.....	FrB03.3	11659
Mohammad Pour, Nima.....	TuB14.4	4116
Mohammadi, Leily.....	MoB19.3	1574
Mohammadpour, Javad.....	WeB16.2	6907
Mohanty, Amiya.....	ThA21.2	8885
Mohebbi, Abolfazl.....	WeB25.9	7239
Moheimani, S.O. Reza.....	MoC06.4	2058
.....	WeB02.4	6412
.....	WeB06	CC
.....	WeB06	O
.....	WeB06.2	6545
.....	WeC06	CC
.....	WeC06	O
.....	WeC06.2	7474
Mohl, Werner.....	ThA07.2	8409
Mohsenizadeh, Daniel N.....	WeB05	CC
.....	WeB05.1	6502
Moisescu, Mihnea Alexandru.....	MoA24.2	827
Molengraft, René van de.....	WeC05.5	7455
Molina, Arturo.....	MoC16	O
Molina, Arturo.....	TuA16.3	3300
.....	TuB20.2	4272
Molinari, Marco.....	MoA17.4	599
Möllenbruck, Florian.....	MoA12.3	419
Möller, Knut.....	MoB07.6	1176
Monaro, Marco.....	MoC03.3	1941
Mondie, Sabine.....	TuC19.2	5169
Monje, Concepción.....	TuA09.2	3030
.....	TuA09.4	3042
Monni, Niccolò.....	TuA18.3	3370
Monnigmann, Martin.....	MoA12.3	419
.....	TuC21.6	5229
.....	WeA05.4	5574
Monostori, Laszlo.....	TuB19.1	4246
Montague, Gary.....	WeA23.6	6222
Montaña Godínez, Oscar Eduardo.....	TuB06.2	3833
Montenbruck, Jan Maximilian.....	ThA02	CC
.....	ThA02.2	8229
.....	ThC24.2	10719
Moog, Claude.....	ThB13.4	9480
Moon, Dug Hee.....	MoB22	CC
.....	MoB22.1	1667
.....	MoB22.3	1678
Moon, Jun.....	MoA04.1	110
Moon, Un-Chul.....	MoB15.2	1446
Moore, Steven.....	WeB06.2	6545
Morais, Cecília F.....	TuC15.6	5049
Morais, Hugo.....	MoC12.4	2267
.....	FrA15.2	11244
Morales, Raul.....	MoB15.4	1459
Morales-Menendez, Ruben.....	TuC14.5	5005
.....	TuC25.1	5327
.....	WeA25.9	6307
.....	FrA04.4	10902
Morán Álvarez, Antonio.....	ThB20.1	9715
Morarescu, Irinel Constantin.....	WeB13.3	6806
Morari, Manfred.....	WeA12.3	5826
Moreira, António Paulo.....	WeA09.1	5703
Morel, Gerard.....	FrB22.4	12317
Moreno, Jaime A.....	MoA02	CC

.....	.....	TuA02.4	2812
.....	.....	.ThA13.4	8636
.....	.....	FrA02.5	10832
Moreno, Ubirajara F. ....	.....	TuB06.1	3827
Moreno-Salinas, David.....	.....	TuC18.2	5139
Moridian, Barzin.....	.....	MoA01.2	7
Moriello, Lorenzo.....	.....	TuA18.2	3364
Morimont, Philippe.....	.....	WeA07.3	5641
Morosinotto, Tomas.....	.....	TuB23.1	4370
Moroto, Robert.....	.....	MoA05.6	176
Morse, A. Stephen.....	.....	.ThB04.3	9183
.....	.....	ThC04	CC
Morzfeld, Matthias.....	.....	WeB18.6	6994
Moseberg, Jan-Erik.....	.....	WeA25.5	6283
Moshksar, Ehsan.....	.....	.ThB02.5	9129
Motchon, Koffi M. Djidula.....	.....	TuB05.2	3797
Moten, Sikandar.....	.....	WeA06.3	5605
Mou, Shaoshuai.....	.....	.ThB04.3	9183
Mou, Yuting.....	.....	WeA01.6	5439
Moulard, Thomas.....	.....	ThC09.2	10219
Mounier, Hugues.....	.....	MoA19.3	659
.....	.....	TuC19.2	5169
.....	.....	WeC02.2	7324
Moussaoui, Charifa.....	.....	FrA08.4	11012
Mozharovskii, Igor.....	.....	MoB10.5	1284
Mu, Chao-Xu.....	.....	WeA19.1	6062
Mueller, Claus.....	.....	MoC18.2	2462
Mueller, Steffen.....	.....	.ThA08.6	8469
Muenz, Ulrich.....	.....	.ThB01.2	9075
Muenzel, Valentin.....	.....	TuB08.5	3924
Muffato, Leonardo Angelo.....	MoA17.3	593
Muftu, Sinan.....	WeA14.5	5914
Muhammad, Abubakr.....ThA16.3	8743
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Mühlberger, Günther.....	ThC22.2	10646
Mühlpfordt, Tillmann.....	MoA13.4	457
Muller, Cornelius Jacobus.....	TuB10.2	3973
Müller, Ivan.....	.....	MoC22.4	2617
.....	.....	.ThB20.6	9744
.....	.....	FrB21.2	12272
Muller, Matthias A. ....	.....	MoB02.5	1029
.....	.....	MoC02.2	1898
.....	.....	FrB13	CC
.....	.....	FrB13.6	12004
Mulumba, Tsina.....	.....	WeC01.5	7311
Munafo, Andrea.....	.....	TuA18.3	3370
Munaro, Celso Jose.....	.....	WeA16.1	5957
Muñoz-Carpintero, Diego Alejandro.....	.....	FrB13.5	11998
Muñoz-Tamayo, Rafael.....	.....	WeA23.4	6210
Munteanu, Iulian.....	.....	WeB12.4	6776
Mura, Roberto.....	.....	.ThA19.5	8855
Muraca, Pietro Maria.....	.....	ThC08	C
.....	.....	.ThC08	CC
.....	.....	ThC08.2	10182
.....	.....	FrB16.3	12098
Muradore, Riccardo.....	.....	ThC09.1	10213
Muraoka, Koji.....	.....	MoC19.6	2527
Murase, Haruhiko.....	.....	WeC24.4	8122
Murase, Haruhiko.....	.....	WeC24.5	8128
Murata, Masaya.....	.....	WeA03.3	5497
Murcia, Harold.....	.....	FrB09.1	11872
Murgas, Jan.....	.....	TuC16.1	5055
Murgovski, Nikolce.....	.....	TuC08.5	4831
.....	.....	WeB08.1	6606
Murguia, Carlos.....	.....	TuC04.3	4675
Muros Ponce, Francisco Javier.....	.....	MoB08.2	1188
Murray, Richard M.....	.....	TuB23.6	4400
.....	.....	ThC20.1	10568
.....	.....	FrPP.1	*
Muscat, Raymond.....	.....	ThC22.3	10652
Muscio, Giuseppe.....	.....	FrA09.5	11049
Music, Gasper.....	.....	TuA19.1	3395
.....	.....	TuB22.3	4352
.....	.....	TuC25.3	5339
Mustata, Ruxandra Ioana.....	.....	WeA15.4	5939
Muto, Ikuma.....	.....	TuC01.4	4571
Myleus, Andreas.....	.....	MoC11.1	2213
Mylvaganam, Thulasi.....	.....	WeC15.6	7819

Na, Byeonghun	WeB25.10	7246
Nad, Dula	TuB18.4	4228
.....	TuB18.5	4234
Naddeo, Massimo	WeB08.3	6618
Nadri, Madiha	WeA08.2	5671
Naeem, Wasif	MoA22.5	766
Nagahara, Masaaki	TuA11	C
.....	TuA11.3	3110
Nagai, Masao	WeA25.14	6338
Nagano, Hidehisa	WeA03.3	5497
Nagesh Rao, Subramanya Prasad	MoB24.4	1760
Naidoo, Myrin	ThB22.5	9804
Naito, Taku	ThB24.4	9864
Najafi, Esmaeil	MoC09.6	2177
Nakadaira Filho, Flavio Akira	WeC07.6	7535
Nakamura, Hiroyuki	WeB14.1	6831
Nakamura, Hisakazu	ThA13.3	8629
Nakanishi, Hiroaki	TuB25.16	4535
Nakashima, Akira	WeB24.4	7176
.....	FrB16.1	12086
Nakaya, Makoto	FrB20.3	12237
Nakazawa, Chikashi	MoA05.1	146
Naldi, Roberto	TuA13.3	3184
.....	TuA13.4	3190
Namavar, Mohammad	WeA14.1	5890
Napasindayao, Trina	WeB21.1	7067
Nardon, Eric	MoB12.4	1349
Nascimento, Tiago	WeA09.1	5703
Nasir, Ahmad Kamal	ThB20.4	9732
Nasir, Hasan	ThA16.3	8743
Nasiruzzaman, A. B. M.	FrA15.5	11263
Naso, David	TuA12.2	3140
.....	FrA06.2	10926
Nassar, Ibrahim	TuA12.1	3134
.....	WeC11.2	7653
Natale, Ciro	WeC09.2	7585
.....	WeC09.3	7592
Natalini, Marco	TuA18.3	3370
Natarajan, Vivek	TuC19.5	5187
Navalkar, Sachin	WeB03.2	6436
Navia, Daniel	MoC25.5	2734
.....	WeC10.4	7635
Nazari, Mohammad	FrB11.1	11910
Nazari, Raheleh	WeB11.1	6722
Nebylov, Alexander	MoA25.10	900
.....	TuA19.6	3425
Nebylov, Vladimir	MoA25.10	900
Necoara, Ion	MoC18.6	2489
.....	TuA06	O
.....	TuA06.2	2927
.....	FrA12.4	11147
Nedelcu, Andrei Valentin	TuA06.2	2927
Nedvěd, Robert	ThA14.3	8669
Negenborn, Rudy	MoB22.6	1698
.....	TuC17.1	5091
.....	ThA18.3	8812
.....	ThB23.3	9828
Negrete, Chavez, Daniel Yitzjak	FrA02.5	10832
Nejjari, Fatiha	MoB16.1	1471
.....	TuB13.1	4062
.....	TuB21.4	4322
.....	FrB03.4	11667
Nelles, Oliver	TuB14.6	4128
Nelson, Bradley	WeC06.3	7480
.....	WeC06.6	7499
Nelson-Gruel, Dominique	TuC21.4	5217
Németh, Balázs	TuB17.3	4184
.....	FrA14.1	11201
Nenchev, Vladislav	ThC12.1	10287
Nesic, Dragan	TuB04.2	3758
.....	WeB02.2	6400
.....	ThC02.3	9973
Neto, Enéas	MoA10.4	358
Netto, João César	MoC22.4	2617
.....	ThB20.6	9744
Netto, Mariana	MoA15.3	523
.....	MoA15.6	540
Neuhaus, Tassiano	ThC11.4	10269
Neuman, Petr V.	MoA01	CC

	MoA01.1	1
	MoB15.1	1440
	MoC12	C
Neumann, Ruediger	ThC06.6	10132
Neves Pitta, Renato	MoA10.4	358
	MoA10.5	364
Nezhadali, Vaheed	WeC18.5	7917
Ng, Ki Chun	MoA15.2	517
Ngo, Caroline	ThA05.4	8353
Nguyen, AnhTu	TuA08.2	2994
Nguyen, Binh Minh	FrB05.2	11728
Nguyen, Danh Ngoc	TuA15.1	3244
Nguyen, Dinh Hoa	WeA11.1	5778
Nguyen, Hoang	ThA12.4	8604
Nguyen, Hoang Hai	MoB21.3	1643
Nguyen, Ngoc Anh	MoB21.1	1631
	MoC18.6	2489
Nguyen, Thi Bich Lien	WeC22.6	8066
Nguyen, Tuan T.	MoC13.4	2297
Ni, Yuan-Hua	ThB21.1	9750
Nicoara, Elena Simona	MoA24.3	833
Nicotra, Marco M.	TuA13.4	3190
Niculescu, Silviu-Iulian	TuC19.2	5169
	WeB11.5	6747
	WeB13.3	6806
	WeC02.2	7324
	WeC07.5	7529
Nie, Rudy	WeC12.4	7702
Niedzwiecki, Maciej Jan	WeA15	C
	WeA15.2	5927
Nielsen, Isak	ThC18	CC
	ThC18.2	10505
Nielsen, Kirsten Moelgaard	MoA01.3	13
Nielsen, Lars	WeA25.11	6319
	ThA17.5	8787
Niemann, Henrik	WeC21	C
	WeC21.3	8012
Niezabitowski, Michal	FrB05.4	11740
Nijmeijer, Hendrik	MoB02.4	1023
	TuA11.1	3098
	TuB25.13	4517
	TuC04.3	4675
	FrA03.5	10869
Nikiforov, Vladimir O.	FrB16.5	12110
Nikitin, Oleg	MoA01.5	25
Nikolaev, Nikolay	MoB11.2	1302
Nikolaou, Andreas	TuB23.1	4370
Nilsson, Carl-Henric	FrB20.6	12255
Nilsson, Jonas	ThC23.1	10676
Nilsson, Julia	WeA25.8	6301
Nilsson, Magnus	MoC08.6	2138
Nilsson, Sebastian	MoA22.1	748
Nilsson, Tomas	WeB08.5	6630
Ninness, Brett	FrA03.6	10875
Nishida, Gou	FrA18.2	11357
Nishimura, Yuki	ThA13.1	8616
Nishino, Hiroaki	FrB11.4	11932
Niu, Hanlin	FrB18.4	12174
Niu, Yugang	TuA04.4	2872
Noack, Benjamin	TuA15.4	3262
Noce, Fabio	WeB15.5	6895
Nof, Shimon Y.	TuB20.1	4266
	TuC22	O
	WeC16.6	7855
Noguchi, Noboru	TuB24.6	4435
	FrA24	C
	FrA24.1	11553
	FrA24.2	11559
	FrA24.4	11571
	FrA24.5	11577
Nogueira, Filipa	ThB25.3	9890
Noh, Dong-Hee	WeC18.4	7911
Noh, Jinpyo	MoA20.3	695
Noran, Ovidiu	TuA16.3	3300
	TuB20.5	4292
	WeC16.5	7849
Nordblad, Mathias	WeA23.3	6204
Nordh, Jerker	ThC08.1	10174
Nordio, Alessandro	ThC13.1	10325

Nørgaard, Kirsten	MoA07.2	231
Norlander, Hans	TuB25.12	4511
Normey-Rico, Julio Elias	MoA05.5	170
	MoB02.2	1011
	ThC20.2	10574
	FrA22.2	11494
Noroozi, Navid	WeA02.3	5461
Norrlof, Mikael	MoA06.5	210
	WeC03.3	7367
	ThA06.2	8372
Notaro, Maurizio	TuB10.6	3998
Notarstefano, Giuseppe	WeC04	CC
	WeC04.3	7406
Nou, Julien	ThC14.1	10361
Nouaillietas, Rémy	MoB12.4	1349
	FrA19.3	11398
	WeB08.6	6636
Nouillant, Cédric	MoC24.1	2673
Nourmohammadi, Hossein	TuC09.2	4843
Novaes, Carlos	ThB06.4	9229
Novak, Petr	TuA14.6	3238
Novara, Carlo	TuB14.4	4116
	TuC11	C
	TuC11.4	4927
Nowicki, Marcin	WeC13.2	7723
Nugent, Tim	FrA01.4	10790
Nunes, Eduardo Vieira Leao	WeB16.4	6920
Nunna, Kameswarie	MoA02.4	55
Nuño, Emmanuel	MoB24.5	1766
	WeB09.3	6656
	WeB09.6	6674
	ThB09.4	9341
Nwankpa, Chika O.	FrA01.4	10790
Nwesaty, Waleed	TuB08.2	3905
Nyandoro, Otis Tichatonga	WeC08	CC
	WeC08.5	7566
	FrA09	C
	FrA09.4	11043
Nyberg, Peter	ThA17.5	8787
Nygaard, Morten	ThA07.6	8433
O		
O'Donnell, Terence	FrA12.3	11141
O'Sullivan-Greene, Elma	MoB07.4	1164
Obajemu, Olusayo	ThB25.1	9880
	ThC22.4	10658
Obermaisser, Roman	FrB21.4	12284
Obitko, Marek	TuA16	O
Ocampo-Martinez, Carlos	WeA24.1	6228
	WeA24.3	6240
	WeC21.5	8024
	WeC21.6	8030
	ThC16.6	10457
Ödblom, Anders C.E.	ThC23.1	10676
Odgaard, Peter Fogh	TuB21	C
	TuB21	O
	WeA12	C
	WeA12.4	5832
	ThA21	C
	ThA21.3	8891
Odloak, Darci	FrA10.2	11067
Ogawa, Yusuke	MoC09.3	2159
Ogren, Petter	MoA09.3	311
	ThB04.4	9190
Ogunnaike, Babatunde A.	MoA23	C
	MoA23	O
	MoA23.2	790
	TuB23	CC
	FrB07	CC
	FrB07.1	11800
Ogura, Eiji	WeB14.4	6849
Oh, Gyeongtaek	MoA25.8	888
Oh, Hyondong	FrB18.4	12174
Oh, Sehoon	TuA23.6	3557
	WeB25.10	7246
Ohlsson, Henrik	TuA12.5	3158
	TuC14.2	4985
	WeA15.4	5939
	ThB14.3	9510
	ThC14.2	10367

Öhr, Jonas.....	MoA06.2	191
Ohtsuka, Toshiyuki.....	TuA08.3	3000
.....	ThB13.4	9480
Ojasvi, Ojasvi.....	TuC10.2	4879
Okamoto, Takeshi.....	WeB24.4	7176
Okur, Beytullah.....	MoA15.4	529
Olaru, Sorin.....	MoB21.1	1631
.....	MoC18.6	2489
.....	MoC21.2	2576
.....	TuA06.3	2933
.....	TuB11	CC
.....	TuB11.1	4004
.....	WeB11.5	6747
.....	WeC21.5	8024
.....	WeC21.6	8030
Oldewurtel, Frauke.....	ThC12.3	10299
.....	FrB15.4	12068
Oleari, Fabio.....	TuA18.6	3388
Oliveira, Ricardo C. L. F.....	TuC15.6	5049
.....	ThB08.5	9307
Oliveira, Tiago Roux.....	TuC02.6	4619
.....	WeA02.5	5473
Oliver, Gabriel.....	FrB18.1	12146
Olivier, Laurentz Eugene.....	FrA22.3	11500
Ollinger, Lisa.....	MoC22.5	2622
Ollio, Luciano.....	WeC05.4	7449
Olma, Simon.....	MoA06.1	182
Olofsson, Bjorn.....	WeA25.11	6319
.....	ThB09.2	9327
Olshevsky, Alexander.....	ThC04.2	10042
Olsson, Gustaf.....	MoC25.2	2715
Omata, Toshiaki.....	FrB20.3	12237
Omer, Hosam Eldin.....	ThA01.5	8210
Onori, Simona.....	TuB08	O
.....	TuC08	O
Ooi, Andrew.....	MoA13.2	451
Oomen, Tom.....	TuC06.4	4754
.....	TuC11	CC
.....	TuC11.2	4915
.....	WeB03	CC
.....	WeB03.2	6436
.....	ThC03.4	10018
.....	FrA03.3	10856
Oppelt, Mathias.....	FrB01.4	11635
Orive, Dario.....	TuA20.2	3438
Orjuela, Rodolfo.....	MoA25.12	906
.....	FrA14.4	11219
Orlov, Yury.....	TuB06.2	3833
Ornelas-Tellez, Fernando.....	TuC01.5	4578
.....	WeB18.2	6971
Orsini, Valentina.....	FrB05.3	11734
Ortega, Romeo.....	WeB01.2	6361
.....	WeB16.5	6926
Ortiz-Espinoza, Alexandro.....	FrA04.4	10902
Ortmaier, Tobias.....	ThA11.3	8558
Ossmann, Daniel.....	TuA21.4	3489
.....	ThA11	C
.....	ThA11.5	8570
Östman, Fredrik.....	FrA01.6	10802
Oswald, Cyril.....	MoB15.1	1440
Othman, Nor Azlan.....	MoC07.6	2100
.....	TuC07.3	4784
Ottinger, Ivan.....	TuC16.1	5055
Ouabbas, Yamina.....	MoC25.4	2727
Ouadi, Hamid.....	TuC16.2	5061
Oudalov, Alexandre.....	TuB12.1	4024
Ouladsine, Mustapha.....	TuB22.1	4340
.....	WeC22.6	8066
Ould Bouamama, Belkacem.....	WeC23.6	8103
Oustaloup, Alain.....	TuA05	C
.....	TuA05.2	2891
.....	TuC21.4	5217
.....	WeC05.2	7436
Ouyang, Quan.....	TuA02.1	2794
Ovchinnikova, Nataly.....	MoC24.2	2679
Oya, Hidetoshi.....	WeA11.6	5808
Oza, Harshal.....	FrA25.5	11611
.....	FrB07.3	11812
Özakalin, Mehmet Uğur.....	FrA06.1	10920

Ozatay, Engin.....	WeC08.1	7541
Ozbay, Hitay.....	WeB05	C
.....	WeC07.5	7529
Ozcimder, Kayhan Hasan	TuC23.3	5276
Ozeki, Takashi	TuB01.3	3657
Ozguner, Umit	WeC08.1	7541
.....	WeC17.3	7873
Özkan, Bülent.....	TuB25.9	4493
.....	FrA06.1	10920
Ozkan, Leyla	MoC10.2	2189
Özparpucu, Mehmet Can.....	ThA09.3	8487
P		
Paavola, Marko Kalevi	FrA22.4	11506
Pacheco, Bezerra, Ludmila	FrA25.3	11599
Padhi, Radhakant.....	TuB09	C
.....	TuB09	O
.....	TuB09.4	3954
.....	ThB22.2	9792
.....	ThB22.5	9804
.....	FrB07.5	11824
.....	FrB19.3	12202
Padula, Fabrizio	TuC24.1	5296
Pagano, Daniel Juan.....	MoA15.5	534
.....	TuC10.6	4903
Pagilla, Prabhakar R.	WeC23.5	8097
Pagliarini, Marta	TuC10.3	4885
Pai, Chi Nan	FrA25.3	11599
Paiva, José Á	MoB15.6	*
Pakniyat, Ali	ThB17.5	9629
Pakshin, Pavel	WeA02.4	5467
.....	ThA02.5	8247
Palaniswami, Marimuthy M.	MoB01.5	987
Palli, Gianluca	MoA09.1	299
.....	TuA18.2	3364
Palma, Caio.....	TuB07.5	3887
Palmieri, Giovanni.....	MoC10.4	2201
.....	TuA11.2	3104
.....	ThB12.6	9456
Palmisani, Ezio.....	MoC16.3	2394
Palomeras, Narcis.....	FrB18.2	12160
Palumbo, Pasquale.....	MoC07.4	2088
.....	ThB15.1	9534
.....	ThB15.2	9540
Pan, Lingling	TuA01.5	2782
.....	TuA01.6	2788
Pan, Wei.....	TuA14.1	3208
Panchal, Neilkunal	ThB08.1	9283
Panda, Sanjib.....	WeB25.12	7258
Pandharipande, Ashish.....	FrA18.1	11350
Panetto, Hervé	MoC16	O
.....	MoC16.1	2382
.....	TuA16	O
.....	TuA16.1	3280
.....	TuB19.1	4246
.....	ThC25	CC
Panferov, Alexander.....	MoC24.2	2679
Pang, Chee Kiang.....	WeB14.2	6837
Pangalos, Georg	ThB13.3	9474
Pantazi, Angeliki.....	WeA14	O
.....	WeA14.2	5896
.....	WeB14	O
.....	WeB14.4	6849
Panteley, Elena V.....	WeB16.5	6926
Pantelous, Athanasios	ThB14.5	9522
Panunzi, Simona	MoC07.4	2088
Panzer, Heiko K. F.	ThB13.2	9468
Paoletti, Simone	FrA01.3	10784
Papachristos, Christos	FrA09.3	11036
Papadakis, George	WeB19.2	7007
Papadakis, Panos.....	MoA25.15	924
Papadopoulos, Alessandro Vittorio.....	FrA01.5	10796
.....	FrB22.1	12299
Papageorgiou, Markos	TuB17.2	4178
.....	FrA17.6	11344
Papamichail, Ioannis	TuB17.2	4178
.....	FrA17	CC
.....	FrA17.6	11344
Papangelis, Lampros	WeA12.6	5844
Papatzikou, Eleni	MoA25.15	924

Papik, Martin	ThC16.1	10427
Paraschiv, Nicolae	MoA24.3	833
Paredes, Simão	ThA07.3	8415
Parise, Francesca	ThC14.5	10385
Parisio, Alessandra	MoA17	C
	MoA17	O
	MoA17.4	599
Park, Chan Gook	TuA15.2	3250
	TuA19.3	3407
	WeA03	CC
Park, Chul Soon	MoB22.3	1678
Park, Hyeongjun	MoC02.6	1922
Park, Jaehyun	MoA20.3	695
Park, Jong-Bae	TuB01.5	3670
Park, Ju H.	WeB13.6	6826
Park, Sanghyuk	MoC19.2	2503
Park, Sung-Won	TuB01.5	3670
Park, Yosup	ThB18.4	9661
Parker, Robert S.	FrA07.6	10988
Parlangeli, Gianfranco	MoA25.20	957
	TuC18.1	5127
Parlikad, Ajith Kumar	WeB22	CC
	WeB22.1	7098
Parraga, Adriane	TuA07.5	2975
Pártos, Oszkár	TuA24.6	3593
Paschalidis, Ioannis	ThA07.5	8427
Pascoal, Antonio M.	TuA18	O
	TuB18	O
	TuB18.3	4222
	TuC18	O
	TuC18.2	5139
	TuC18.3	5145
	FrB18	C
	FrB18	O
Pasik-Duncan, Bozenna	WeL09	C
	WeL09.1	*
	WeC15	CC
	ThA15.1	8695
	ThA25	C
	ThC20	C
Pasquale, Cecilia	MoA25.17	936
Passenbrunner, Thomas Ernst	FrA06.5	10946
Patek, Stephen D.	MoA07.3	237
Patel, Amir	TuC09.1	4837
Patikirikorala, Tharindu	TuB14.5	4122
Patino, Diego	FrA13.6	11195
Patrinos, Panagiotis	TuA06.1	2921
	FrA12.4	11147
Patsko, Valerii	MoB18.2	1543
Pattarello, Giorgio	MoA17.4	599
Patton, Ron J.	TuA25.8	3633
	WeC21	CC
	WeC21.2	8006
Paul, Mical	WeA07.5	5653
Paulen, Radoslav	MoC02.3	1904
	TuC10.5	4897
Paumel, Kevin	ThA21.2	8885
Pavel, Lacra	ThA13.6	8648
	ThA15.4	8710
Paviot, Thomas	WeC16.2	7831
Pavlov, Alexey	WeC18.6	7923
Pawlewski, Pawel	ThA22.5	8939
Pawlowski, Andrzej	TuB24.2	4411
	WeC24.3	8116
Pcolka, Matej	MoA17.2	587
	TuA03.4	2848
Peaucelle, Dimitri	MoA21.2	724
	TuB05	CC
	TuB05.1	3790
	TuC21.1	5199
	WeB05.5	6527
Pedersen, Andreas Søndergaard	ThB01.5	9093
Pedersen, Rasmus	ThC01.4	9942
Pedersen, Simon	ThA10.2	8522
Pedersen, Tom S.	MoA01.3	13
Pedro, Jimoh Olarewaju	MoB24	CC
	MoB24.6	1772
	FrA14	CC
Peiró, Salvador	FrB21.5	12293

Peixoto, Alessandro Jacoud	.....WeA02.5	5473
Peixoto, João Alvarez	.....MoC22.1	2600
.....	.....TuC22.4	5247
Pekpe, Komi Midzodzi	.....TuB05.2	3797
.....	.....ThA21.2	8885
Pelckmans, Kristiaan	.....WeC03	CC
.....	.....WeC03.2	7361
.....	.....ThA03	C
Peled-Eitan, Liat	.....MoC15.1	2347
.....	.....ThB08.2	9289
Pena Ramirez, Jonatan	.....TuA11.1	3098
Penaflo, Benjamin P.	.....MoA19.5	671
.....	.....MoB19.2	1568
.....	.....TuC21.5	5223
.....	.....ThC12.6	10319
Peñalver, Antonio	.....TuC18.4	5151
Penaranda-Foix, Felipe	.....ThA10.4	8528
Peñarrocha, Ignacio	.....WeC04.4	7412
Penet, Maxime	.....MoC07.2	2076
Peng, Jun	.....WeB17.5	6959
.....	.....ThB12.3	9438
Peng, Li	.....TuC15.4	5035
.....	.....ThB09.5	9347
.....	.....ThB20.3	9727
Peng, Tao	.....WeB21.5	7091
Peng, Xiaoqi	.....ThA10.5	8534
Peni, Tamas	.....TuA21.2	3477
Penin, Luis F.	.....ThC19.1	10529
Penning, Sophie	.....ThB25.7	9913
.....	.....ThC07.5	10162
.....	.....FrA07.5	10982
Pepe, Pierdomenico	.....MoC07.4	2088
.....	.....WeB13.2	6800
Pepy, Romain	.....TuC17.2	5097
Peralez, Johan	.....WeA08.2	5671
Perdon, Anna Maria	.....MoA05.4	164
.....	.....MoB17.1	1501
Pereira, Carlos Eduardo	.....MoC22.1	2600
.....	.....MoC22.4	2617
.....	.....TuA20	O
.....	.....TuC22	O
.....	.....TuC22.4	5247
.....	.....TuC22.5	5252
.....	.....WeB22.3	7110
.....	.....WeB22.4	7116
.....	.....WeC16.4	7843
.....	.....ThB20	CC
.....	.....ThB20.6	9744
.....	.....FrB21.2	12272
.....	.....MoB15.6	*
Pereira, Luciano	.....MoB15.6	*
Pereira, Luís Fernando Alves	.....MoB06.3	1120
Pereira da Silva, Paulo Sergio	.....TuC09.2	4843
Peres, Francois	.....ThB16	CC
.....	.....ThB16.5	9593
Peres, Pedro L. D.	.....TuC15.6	5049
.....	.....ThB08.5	9307
Pérez, Daniel	.....FrA15.4	11257
Pérez, Javier	.....TuC18.4	5151
Perez, Jon	.....TuB25.1	4441
Perez, Marc	.....WeA23.1	6192
Pérez-Castro, Agustín	.....WeA16.4	5975
Perfumo, Cristian	.....ThC01.1	9924
.....	.....ThC01.2	9930
Perin, Matthieu	.....WeC16	CC
.....	.....WeC16.3	7837
Pernecky, Daniel	.....WeB18.4	6982
Peroutka, Zdenek	.....ThA14.3	8669
Perruquetti, Wilfrid	.....TuB03	C
.....	.....TuB03.4	3732
.....	.....TuC09.6	4867
.....	.....WeB03.6	6460
.....	.....ThA02.3	8235
Perry, Sean	.....FrB19.5	12214
Petelin, Dejan	.....TuC14.6	5011
Peters, Norbert	.....TuA10.4	3080
Petersen, Ian R	.....TuA04.5	2878
.....	.....WeA16	C
.....	.....WeA16.2	5963
.....	.....WeB06.5	6563

.....	.....	WeC25.7	8170
.....	.....	FrB06	C
.....	.....	FrB06.5	11787
Peterson, Eric.....	.....	MoA11.3	389
Petit, Nicolas.....	.....	TuC08.1	4807
.....	.....	ThC03.2	10004
.....	.....	FrA19.5	11410
Petlenkov, Eduard.....	.....	FrA02.6	10838
Petreczky, Mihaly.....	.....	WeB16.2	6907
Petrillo, Antonella.....	.....	WeC22.3	8048
Petrov, Andrii.....	.....	TuB07.4	3881
Petrovic, Ivan.....	.....	WeA09	C
.....	.....	ThC08.3	10188
Pettersen, Kristin Y. ....	.....	TuB18.1	4209
.....	.....	FrB18.3	12166
Pettinari, Silvia.....	.....	MoC05.6	2034
Petzke, Felix.....	.....	TuB14.2	4103
Petzold, Linda.....	.....	MoA23.5	809
Pfeifer, Rolf.....	.....	FrB09.3	11884
Pfeiffer, Sven.....	.....	ThB06.5	9235
Pham, Cong Dung.....	.....	MoA09.5	326
.....	.....	ThA09.6	8509
Pham, Khanh D.....	.....	WeC15.2	7791
.....	.....	ThA15	CC
Pham, Minh Tu.....	.....	FrA13.6	11195
Pham, Van Thang.....	.....	TuC19.1	5163
Phan, Huynh Nhat Trinh.....	.....	MoA09.5	326
Phikhopov, Viacheslav.....	.....	ThA23.1	8953
Philippot, Alexandre.....	.....	FrB17.3	12128
Phillips, Alexander.....	.....	FrB13.1	11974
Phung, Anh Son.....	.....	TuA09.3	3036
Pianese, Cesare.....	.....	FrB08.1	11836
Pianosi, Francesca.....	.....	WeA24.2	6234
Picasso, Bruno.....	.....	WeC02.3	7330
Picci, Giorgio.....	.....	MoC14.2	2323
.....	.....	ThC14	C
.....	.....	ThC14.5	10385
Pielmeier, Ulrike.....	.....	MoC07	CC
.....	.....	TuB07	O
.....	.....	WeA07	O
.....	.....	FrA07	C
.....	.....	FrA07.1	10959
.....	.....	FrA07.2	10964
Pierrel, Ludovic.....	.....	TuA16.1	3280
Pierri, Francesco.....	.....	MoB06.1	1108
.....	.....	TuC09	CC
.....	.....	WeB09	C
.....	.....	WeB09.1	6642
.....	.....	FrA09.5	11049
Piet-Lahanier, Helene.....	.....	WeC19.5	7954
Pieters, Roel.....	.....	WeC06.3	7480
Pietrzak, Przemyslaw.....	.....	WeA15.2	5927
Piga, Dario.....	.....	ThC03.5	10024
Piguet, Yves.....	.....	FrB20.4	12243
Pillonetto, Gianluigi.....	.....	MoB03.6	1073
Pimenta, Luciano.....	.....	MoB09.5	1247
Pinacci, Pietro.....	.....	ThB10.3	9370
Pinaton, Jacques.....	.....	TuB22.1	4340
.....	.....	WeC22.6	8066
Pintelon, Rik.....	.....	FrB16.2	12092
Pinto, Pedro.....	.....	MoC16.4	2400
Pinto, Tiago.....	.....	WeB01.1	6355
Pipeleers, Goele.....	.....	MoA09.2	305
.....	.....	WeA06.3	5605
.....	.....	WeA16.5	5981
.....	.....	ThA06.2	8372
.....	.....	ThB08.5	9307
Piroddi, Luigi.....	.....	ThC18.4	10518
Pironet, Antoine.....	.....	TuB07.2	3869
.....	.....	WeA07.3	5641
.....	.....	FrA07.5	10982
Pirotta, Matteo.....	.....	ThC18.4	10518
Pirozzi, Salvatore.....	.....	WeC09.2	7585
.....	.....	WeC09.3	7592
Pirvu, Bogdan-Constantin.....	.....	TuB22.2	4346
Pisanti, Cecilia.....	.....	MoC08.3	2118
Pittermann, Martin.....	.....	FrB12.5	11968
Pizzi, Noelia.....	.....	WeB05.3	6514
Pizzichelli, Giulia.....	.....	MoC07.4	2088

Placek, Viktor	MoB15.1	1440
Plestan, Franck	MoA02.3	49
	MoB13.3	1380
Pletschen, Nils	FrA14.6	11231
Pohjoranta, Antti	ThC16.3	10439
Poland, Jan	TuB12.1	4024
Polit, Monique	FrA03.2	10850
Poloni, Tomas	TuC06.2	4739
Polushin, Ilia G.	MoC04.2	1971
	TuA13.1	3170
Polyak, Boris T.	WeA05.6	5586
	WeA21.1	6123
Polyakov, Andrey	MoC18.4	2475
	WeA02	CC
	WeA02.2	5455
Pomprapa, Anake	WeB07.2	6575
	WeB07.6	6599
	WeC14.4	7773
Pond, Kevin	MoC24.2	2679
Ponomarev, Valery	WeB23	CC
Pons, Marie-Noelle	WeB23	O
	WeB23.2	7128
Ponsart, Jean-Christophe	MoB05.1	1079
Poole, Sarah F.	TuB07.3	3875
	WeA07.1	5629
	WeA07.6	5659
	ThA07.1	8403
Poola, Kameshwar	ThC16.5	10451
Poorjandaghi, Seyyed Saeed	WeB20.2	7037
Popieul, Jean-Christophe	WeA25.15	6344
Porru, Marcella	MoB10.2	1266
Posch, Andre	ThB19.3	9691
Postlethwaite, Ian	MoC04.3	1977
	ThB03.1	9141
Postma, Ate	WeB09.4	6662
Pota, Hemanshu	MoB01	C
	MoB01.5	987
	TuA12	CC
	WeB01.3	6368
	WeB06.5	6563
	WeC11.3	7659
	WeC11.4	7665
	FrA15.5	11263
Potier, Olivier	WeB23.2	7128
Potschka, Andreas	FrA10.5	11087
Pott, Jörg-Uwe	WeC06.1	7467
Potter, John R.	TuA18.3	3370
Poulsen, Niels Kjølstad	MoA07.2	231
	MoC10.5	2207
	WeB12.5	6782
	WeC21.3	8012
Pourabdollah, Mitra	WeB08.1	6606
Pourazarm, Sepideh	ThB17.2	9611
Poussot-Vassal, Charles	TuA19.4	3413
	WeA05.2	5562
Prabel, Robert	MoA25.18	942
	FrA06.4	10940
Prada, Miguel Angel	ThB20.1	9715
Prandini, Maria	MoB14	CC
	MoB14.3	1416
	WeB15	C
	WeB15.5	6895
	ThC18	C
	ThC18.4	10518
	FrA02	CC
	FrA02.3	10820
Prandoni, Valter	TuB10.6	3998
Prasad, Bhuneshwar	WeB25.12	7258
Preda, Nicola	ThC09.1	10213
Preiser, Jean-Charles	ThC07.5	10162
Pretorius, Arnold	FrB19.4	12208
Pretty, Christopher	WeA07	C
	WeA07	O
	WeA07.1	5629
	WeA07.4	5647
	WeA07.6	5659
	ThB25.7	9913
	ThC07.1	10138
	ThC07.5	10162

	.....ThC07.6	10168
	.....FrA07.4	10976
	.....FrA07.5	10982
Preucil, Libor .....	.....MoB09.2	1228
Price, Jason .....	.....WeA23.3	6204
Priego, Rafael .....	.....TuA20.2	3438
Prieur, Christophe .....	.....MoA03.3	86
	.....MoB17.3	1513
Primot, Muriel .....	.....MoA02.3	49
Principe, Jose .....	.....ThA20.1	8867
Pritchard-Bell, Ari .....	.....FrA07.6	10988
Pruska, Zaneta .....	.....TuB25.5	4465
Pu, Fuan .....	.....TuB01.2	3651
Pu, Ye .....	.....FrB13.2	11980
Pugi, Luca .....	.....TuA18.3	3370
Pugliese, Paolo .....	.....ThC08.2	10182
Puig, Vicenc .....	.....MoB16.1	1471
	.....TuB13.1	4062
	.....TuB21.4	4322
	.....TuB21.6	4334
	.....TuC24	CC
	.....TuC24.3	5309
	.....WeA24	C
	.....WeA24.1	6228
	.....WeA24.3	6240
	.....WeA24.4	6246
	.....WeC21.5	8024
	.....WeC21.6	8030
	.....ThA25.3	9026
	.....ThC16.6	10457
	.....FrB03.4	11667
Purshouse, Robin Charles .....	.....MoC23.1	2634
Puszynski, Krzysztof .....	.....FrA23.2	11524
Putz, Eduardo .....	.....ThB17.4	9623
Pyrkin, Anton .....	.....MoB11.2	1302
	.....ThA25.9	9063
	.....FrA16.4	11294
	.....FrB16.4	12104
	.....FrB16.5	12110
Pyta, Lorenz .....	.....WeB19.1	7001
Q		
Qi, Hongsheng .....	.....MoA08.3	275
Qi, Ruiyun .....	.....ThA05.1	8335
Qian, Xiao-long .....	.....FrB03.5	11673
Qiao, Shujuan .....	.....WeA12.5	5838
Qiao, Yong .....	.....ThB09.5	9347
Qichen, Deng .....	.....WeC23.1	8073
Qin, Bin .....	.....WeB12.1	6758
Qin, Jiahu .....	.....MoC04.1	1965
	.....ThB04.6	9203
Qin, Jinna .....	.....WeA06.2	5598
Qin, Kaijie .....	.....ThB17.1	9605
Qin, S. Joe .....	.....MoC25.6	2740
	.....ThA21.4	8897
	.....ThC21.3	10616
Qing, Zhang .....	.....MoB07.2	1152
Qiu, Li .....	.....WeB18.5	6988
	.....WeC04.6	7424
Qiu, Siqi .....	.....MoB25.4	1796
Qiu, Zhirong .....	.....ThB21.3	9762
Qu, Bingbing .....	.....FrA01.2	10778
Qu, Hongyang .....	.....TuA09.5	3048
Qu, Xiaohui .....	.....ThC12.2	10293
Qu, Zheng .....	.....TuB16.6	4164
Quevedo, Daniel E. ....	.....MoA04	C
	.....MoA04.3	122
	.....TuB04	CC
	.....TuB04.2	3758
	.....WeA04.3	5532
	.....WeC04.4	7412
Quinn, Laurretta .....	.....MoA07.5	249
Quintana, Jesus Jose .....	.....TuB24.5	4429
Quirynen, RienThB17.3	9617
Quoilin, SylvainMoC10.3	2195
Qureshi, Faran AhmedFrA12.5	11153
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Rabhi, AbdelhamidWeA25.10	6313
Rabouille, SophieWeA23.5	6216

radhakrishna Pillai, JayakrishnanWeB23.6	7152
Radisch, Christian	.....TuB12.2	4030
Radouane, Abdelhadi	.....WeA21.2	6129
Radzi, Faizi	.....TuA14.2	3214
	.....TuB07.3	3875
	.....ThA07.1	8403
Raffo, Guilherme Vianna	.....TuA13.5	3196
	.....TuB06.3	3839
Ragazzi, Andrea	.....ThA19.6	8861
Ragazzon, Michael Remo Palmén	.....WeB14.6	6862
Rahmani, Mustapha Amine	.....ThB12.1	9425
Rahmanpour, Parsa	.....TuC10.4	4891
Rahnama, Samira	.....MoC01.4	1879
Raica, Paula	.....WeC20.3	7976
Raimondo, Davide Martino	.....MoB05.5	1102
Raisch, Joerg	.....WeB01.2	6361
	.....WeB07.4	6587
	.....ThC12.1	10287
Raïssi, Tarek	.....WeC03.4	7375
	.....ThA03.2	8265
Rajamuni, Methma	.....TuC23.4	5283
Rajaoarisoa, Lala	.....TuC24.3	5309
	.....FrA11.2	11105
Rajapakse, Athula	.....ThA01.1	8182
Rajendran, Sulakshan	.....ThA19.3	8843
Rakoto-Ravalontsalama, Naly	.....ThC25.1	10737
Rakotondrabe, Micky	.....WeB06.4	6556
	.....FrA06	CC
	.....FrA06.6	10952
Raksincharoensak, Pongsathorn	.....WeA25.14	6338
Ramazi, Pouria	.....ThA04.5	8323
Ramdani, Nacim	.....TuB01.3	3657
Ramirez, Hector	.....MoB19.4	1580
	.....ThB02.2	9111
Ramirez de la Cruz, Juan Carlos	.....MoC23.2	2640
Ramirez Ordaz, Patricia	.....FrB12.1	11944
Ramirez Restrepo, Laura María	.....WeC22.4	8054
Ramírez-Mendoza, Ricardo A.	.....WeA25.9	6307
Ramos, Carlos	.....MoA01.6	31
	.....FrA15.2	11244
Ramos, Ricardo R.	.....MoC22.4	2617
Ramos Pedroza, Natalie	.....TuC16.5	5079
Rampazzo, Mirco	.....MoC03.5	1953
Rantzer, Anders	.....MoC21.5	2594
	.....FrB05.1	11722
Rapaport, Alain	.....WeA23.1	6192
Rapti, Elli	.....MoC16.5	2408
Rasmekomen, Nipat	.....WeB22.1	7098
Rasmussen, Carl Edward	.....TuB14.1	4097
Rasmussen, Henrik	.....MoA05.1	146
	.....MoC01.4	1879
Rasmussen, Lotte Holmberg	.....ThC01.5	9950
Rastgoftar, Hossein	.....ThB18.5	9667
Ratliff, Lillian	.....TuA12.5	3158
	.....ThA24.4	9001
	.....ThC14.2	10367
Ratnayake, Pesila	.....WeB19.5	7025
Rauh, Andreas	.....MoA25.18	942
Recalde, Luis Felipe	.....TuA03.1	2830
Reddi, Yashren	.....ThA19.1	8831
Redelinghuys, Christiaan	.....FrB19.1	12188
Redmond, Daniel Paul	.....TuB07.3	3875
	.....WeA07.1	5629
	.....WeA07.6	5659
	.....ThA07.1	8403
Reed, Patrick	.....WeA24.5	6252
Rees, Stephen Edward	.....ThA07.6	8433
Regal da Silva, Thiago	.....WeC16.4	7843
RÉgnier, Stéphane	.....WeC06.5	7492
Rego, Francisco	.....TuC18.3	5145
Regulin, Daniel	.....TuB25.10	4499
Rehak, Branislav	.....MoA02.1	37
	.....ThC16.1	10427
Rehberger, Sebastian	.....TuB25.10	4499
	.....ThA10.3	*
Rehor, Jiri	.....TuB03.5	3739
Rehrl, Jakob	.....FrA03.4	10862
Reichenfelser, Werner	.....ThA07.2	8409
Reimann, Sven	.....ThB13.6	9492

Reincke-Collon, Carsten	FrA11.3	11111
	WeB18.3	6976
	ThC12.1	10287
Reindl, Gerald	WeA13.5	5878
Reinschke, Johannes	ThA10.3	*
Reis, Bernardo Pora dos	MoC22.1	2600
	TuC22.4	5247
Reiter, Matthias	TuB22.4	4358
	ThC06.2	10107
Reitinger, Jan	ThC20.3	10580
Remes, Antti	FrA22.4	11506
Ren, Tao	FrB03.5	11673
Ren, Xiaoqiang	MoB08.6	1216
Ren, Zhang	MoA25.4	869
Ren, Zhigang	WeC18.1	7892
Repele, Luisa	ThC09.1	10213
Reppa, Vasso	MoB16.1	1471
Repta, Dragos	MoA24.2	827
Reßmann, Axel	TuB22.4	4358
Restelli, Marcello	ThC18.4	10518
Retortillo, Pedro	ThA24.1	8983
Rettberg, Achim	WeB22.3	7110
Reuter, Johannes	ThB18.6	9673
Revie, James A	TuB07.2	3869
	WeA07.4	5647
Reyes, Francisco	ThC22.5	10664
Reynoso-Meza, Gilberto	WeC25.5	8158
	ThA10.4	8528
	ThC11.3	10263
Rezaee, Hamed	ThC04.4	10054
Rezaei, Mohammad Ali	MoB01.2	969
Rezaei, Seyed Mehdi	MoC24.6	2703
Rezg, Nidhal	WeC22.2	8042
	ThC25.6	10766
Rezoug, Amar	ThC06.3	10113
Rhein, Sönke	ThB02.6	9135
Rhode, Stephan	TuC03.3	4637
Ri, SongHyok	TuB25.11	4505
Riachy, Samer	ThB03.2	9147
	FrB01.1	11617
Riazi, Sarmad	ThC25.4	10754
Ribas, David	FrB18.1	12146
	FrB18.2	12160
Ricco, Pierre	WeB19.2	7007
Ricomagno, Eva	FrB18.5	12182
Richalet, Jacques	TuC25.4	5345
Richard, Jean-Pierre	MoC18.4	2475
Richter, Hanz	ThC09.6	10244
Richter, Jan	ThB01.5	9093
Richter, Markus	ThC06.4	10119
Rico, J. Jesus	TuC01.5	4578
Ridao, Pere	TuA18	O
	TuB18	O
	TuC18	O
	FrB18	CC
	FrB18	O
	FrB18.1	12146
	FrB18.2	12160
Rider, Sean	MoB09.6	1254
Ridolfi, Alessandro	TuA18.3	3370
Riedlinger, Axel	ThB25.2	9886
	ThB25.8	9919
Riera, Bernard	FrB17.3	12128
Rimini, Bianca	TuB22.5	4364
Ringwood, John	WeC12	C
	WeC12	O
	WeC12.1	7678
	WeC12.3	7696
Ritter, Tobias	TuC24.2	5302
Riva, Mauro Hernan	ThA11.3	8558
Rivas-Perez, Raul	MoB12.2	1337
	WeA10.4	5760
	ThC22.6	10670
Rivera, Daniel E.	FrB20.5	12249
Rizzello, Gianluca	FrA06.2	10926
Rizzo, Gianfranco	MoC08.3	2118
	TuB08	C
	WeA25	CC
	WeB08.3	6618

	.....WeC17	C
	.....WeC17	O
Robertsson, Anders	.....TuB02.3	3690
	.....ThB09.2	9327
	.....ThC09.4	10230
	.....FrA06.3	10934
Robet, Pierre-philippe	.....WeB25.7	7227
Robinett, Rush	.....MoA17.2	587
Robinnett, Rush	.....MoA01.2	7
Robles Rodriguez, Carlos Eduardo	.....WeA23.2	6198
Robu, Bogdan	.....MoA05.2	152
Rocha, Paula	.....ThB25.3	9890
Rocha, Pedro	.....TuC22.1	5235
Rocha, Teresa	.....ThA07.3	8415
Rocha Loures, Eduardo	.....MoC16.1	2382
Rodgers, Geoffrey W.	.....TuC07	CC
	.....TuC07	O
	.....TuC07.5	4796
	.....ThB25	CC
	.....ThB25.6	9907
Rodrigues, Luis	.....WeA18	C
	.....WeA18.3	6038
Rodrigues, Mickael	.....WeC21.4	8018
Rodrigues, Rui	.....TuC22.1	5235
Rodríguez, Carlos	.....MoA05.5	170
Rodríguez, Manuel	.....MoA20.1	683
Rodríguez Martinez, Carlos Alberto	.....ThC22.6	10670
Rodríguez-Angeles, Alejandro	.....TuA11.1	3098
Rodríguez-Ayerbe, Pedro	.....MoB21.1	1631
	.....MoC18.6	2489
Roeck, Helmut	.....MoB11.3	1308
Roesch, Susanne	.....TuA22.2	3509
Rogachev, Pavel	.....FrA03.5	10869
Rogers, Eric	.....MoA11.4	395
	.....WeA02.4	5467
	.....ThA02.5	8247
	.....FrB13.1	11974
Rohal-Ilkiv, Boris	.....TuC06.2	4739
Roinila, Tomi	.....ThC03.3	10012
Rojas, Cristian	.....MoB14.1	1404
	.....MoB14.4	1422
	.....MoC14.1	2317
Rolain, Yves	.....TuC14.4	4999
Romagnoli, Raffaele	.....FrB05	CC
	.....FrB05.3	11734
Romero, David	.....TuB20	C
	.....TuB20	O
	.....TuB20.2	4272
	.....TuB20.5	4292
Romero, Fernando	.....ThC22.5	10664
Romero Segovia, Vanessa	.....ThA05	CC
	.....ThA05.5	8359
Roncoli, Claudio	.....TuB17.2	4178
	.....FrA17.6	11344
Rondepierre, Aude	.....MoC11.4	2231
Rong, Gang	.....ThB16.1	9569
	.....ThB16.6	9599
Roppenecker, Günter	.....WeA25.5	6283
Rosa, Lorenzo	.....TuA13.2	3176
Rosado-Muñoz, Alfredo	.....MoA20.4	701
Rosander, Peter	.....MoC11.1	2213
Rosén, Olov	.....TuC15.3	5029
	.....ThB07.3	9258
Rosenwasser, Efim N.	.....WeA19.2	6068
Rosier, Lionel	.....MoA19.1	646
Ross, Andrew John	.....WeB15.4	6890
Rossiter, J. Anthony	.....ThA05	C
	.....ThA05.3	8347
	.....ThC20	CC
	.....ThC20.1	10568
	.....ThC20.5	10592
Rotea, Mario	.....TuA25.9	3639
Roth, Hubert	.....ThB20.4	9732
Rothuizen, Hugo	.....WeC06.6	7499
Rotondo, Damiano	.....MoB16.1	1471
	.....TuB13.1	4062
	.....TuB21.4	4322
	.....FrB03.4	11667
Rouchon, Pierre	.....MoA19.1	646

	TuC09.2	4843
Rousing, Mark Lillelund	FrA07.1	10959
	FrA07.2	10964
Rousseau, Aymeric	WeC17.5	7886
Roux, Gilles	TuB23.4	4388
Rovenskaya, Elena	ThC24.3	10725
Roventa, Ionel	FrA18.4	11369
Roy, Naruttam Kumar	WeC11.3	7659
Roy, Raphaëlle N.	TuA07.3	2963
Roy Chowdhury, Abhra	WeB25.12	7258
Royer, Sullivan	FrA03.2	10850
Royset, Johannes	ThA23.5	8977
Ruano, Antonio	MoC20	C
	TuA25.5	3617
	ThA20	CC
	ThA20.1	8867
Ruano, Maria da Graça	WeC07.4	7523
Rueda, José L.	ThB01.3	9081
Ruggiero, Fabio	MoB09.3	1234
Ruiz-Leon, Javier	TuC05.3	4709
Rumschinski, Philipp	TuA02.2	2800
Ruppert, Michael G.	WeC06.2	7474
Rusnak, Ilan	MoC15.1	2347
	ThB08.2	9289
Russell, Douglas	WeB06.1	6539
	FrB06.6	11793
Russo, Valentina	TuA24	CC
	TuA24.1	3563
Ruths, Justin	TuA11	CC
	TuA11.4	3116
Ruuska, Jari	FrA22.4	11506
Ryashko, Lev	ThC02.5	9985
Ryba, Lukasz	WeA06.6	5623
Ryoo, Chang-Kyung	TuB09.5	3960
S		
S. Andersen, Martin	MoC21.5	2594
	ThB16.4	9587
Saarinen, Kari	WeC03.3	7367
Sabatier, Jocelyn	MoC05.4	2022
	TuA05.1	2884
	WeC05.2	7436
Sabattini, Lorenzo	MoB25.11	1837
Sablayrolles, Jean Marie	WeA23.1	6192
Sacala, Ioan Stefan	MoA24.2	827
Sacco, Nicola	MoA25.19	948
	ThA17	C
	ThA17.3	8775
Sacone, Simona	MoA25.17	936
	TuC17	C
	TuC17.6	5121
	ThB16.3	9581
Sadabadi, Mahdiah Sadat	MoC21.4	2588
	WeA21.4	6141
Sadamoto, Tomonori	TuB01.3	3657
	TuC01.4	4571
Sadigh, Dorsa	ThB14.3	9510
Saeednia, Mahnam	TuC17.6	5121
Saez, Doris	MoB15.4	1459
Safaei, Farhad	WeA25.3	6270
Safonov, Michael G.	MoB16.4	1489
Saggini, Eleonora	FrB18.5	12182
Saglietti, Francesca	MoB20.2	1599
	WeA20	C
Sah Pri, Azurahisham	ThC07.5	10162
Saha, Sajeeb	ThA01.2	8188
Sahu, Uttam	TuB09.4	3954
Sahyoun, Samir	TuC19.4	5181
Saif, Mehrdad	MoB13.1	1367
Sainte-Marie, Jacques	WeA23.5	6216
Saka, Tomoki	TuA24.5	3587
Sakai, Shin-ichiro	WeA15.1	5921
Sakamoto, Noboru	MoA02.1	37
	FrA18.2	11357
Sakanushi, Tatsuya	ThC05.4	10090
Sakayanagi, Yoshihiro	WeA08.5	5691
Sakli, Leila	ThA22.4	8933
Sakode, Chandrashekhar	FrB07.5	11824
Salamci, Metin U.	MoB11	C
	MoB11.1	1296

.....	MoC11	CC
.....	FrA06.1	10920
Salapaka, Murti V.....	MoC14.5	2341
Salazar, Andres Ortiz.....	MoB15.6	*
Salazar, Emilio.....	FrB21.3	12278
Salazar, Johanna.....	TuA25.1	3599
Saldivar, Martha Belem.....	TuC19.2	5169
.....	WeC02.2	7324
Sales, Francisco.....	MoB07.3	1158
Sales, Jorge.....	TuC18.4	5151
Salgado, Mario E.....	TuC05.2	4704
Salisbury, Ingrid Gael.....	WeC08.2	7547
Sallak, Mohamed.....	MoB25.4	1796
Salpavaara, Timo.....	ThC03.3	10012
Salton, Aurelio Tergolina.....	MoB06.3	1120
.....	MoB06.6	1140
Salviano, Isadora Rebelo.....	ThA22.3	8927
Salvucci, Valerio.....	MoA09	CC
.....	MoA09.6	332
Samad, Tariq.....	TuB15	C
.....	TuB15.1	*
Sambatra, Eric Jean Roy.....	MoB05.2	1085
Samokhin, Sergey.....	TuA08.4	3006
Sampathirao, Ajay, Ajay Kumar.....	ThC16.6	10457
Sampei, Mitsuji.....	WeA08.5	5691
Samson, Claude.....	MoC11.5	2237
.....	TuA13.2	3176
Samuelsson, Andreas.....	WeC03.3	7367
San-Millan, Andres.....	ThA06.6	8397
Sanchez, Edgar N.....	TuC01.5	4578
.....	WeB18.2	6971
.....	FrB12.1	11944
Sanchez, Hector.....	TuB21.6	4334
Sánchez, Helem Sabina.....	ThC11.3	10263
Sánchez de la Nieta, Agustín.....	TuB12.5	4050
Sánchez Moreno, José.....	WeA10.5	5766
.....	WeA16.4	5975
.....	ThA25.7	9051
.....	FrB04.1	11685
Sanchez-Garcia, Alejandro.....	TuA20.6	3465
Sánchez-Peña, Ricardo S.....	ThB07.2	9253
Sanchis, Javier.....	WeC25.5	8158
Sanchis, Roberto.....	WeC04.4	7412
Sandberg, Henrik.....	FrB11.1	11910
Sander Tavallaey, Shiva.....	WeC03.3	7367
Sandler, Stanley I.....	FrB07.1	11800
Sandner, Thilo.....	MoC24.3	2685
Sandri, Alice.....	MoC07.1	2070
Sandroek, Carl.....	FrB20.1	12226
Sanfelice, Ricardo G.....	MoA04.6	140
Sanjeevini, Sneha.....	WeB02.4	6412
Santos Filho, Diolino José.....	MoB05.3	1090
Sanz, P.J.....	TuC18.4	5151
.....	FrB18.1	12146
Sanz, Ricardo.....	MoA20.1	683
Sápi, Johanna.....	ThB07.5	9271
Sarabia, Daniel.....	MoC25.5	2734
Saraiva da Silva, Ramiro.....	WeB12.2	6764
Sargent, David F.....	WeC06.3	7480
Sarhan, Ahmed A.D.....	MoC24.6	2703
Sarimveis, Haralambos.....	ThA07.4	8421
Sarjovaara, Teemu.....	TuA08.4	3006
Sarma, Sridevi.....	WeC07.1	7505
Sarraipa, João.....	MoA24.4	839
Sarras, Ioannis.....	WeB09.3	6656
.....	ThB09.4	9341
Saska, Martin.....	MoB09.2	1228
Sassano, Mario.....	MoB17.4	1519
.....	MoB17.6	1531
Sastry, Shankar.....	TuA12.5	3158
.....	TuC01.6	4584
.....	ThA24.4	9001
.....	ThB14.3	9510
.....	ThC14.2	10367
.....	FrA03.1	10844
Satake, Akihiro.....	MoC12.5	2273
Satici, Aykut.....	WeB09.2	6648
Sato, Andre Kubagawa.....	TuC22.2	5241
.....	TuC22.6	5258

Sato, Masayuki.....	MoC19.6	2527
Satoh, Yasuyuki.....	.ThA13.3	8629
Saupe, Florian.....	WeC12.5	7710
Sauter, Dominique D.J.....	.ThA11.4	8564
Savaresi, Sergio.....	MoA25.13	912
.....	.TuB08.4	3918
.....	.TuC08.3	4819
.....	WeA25.7	6295
.....	WeC08.3	7553
.....	.ThA08.1	8439
.....	FrA16.1	11275
Savchenko, Anton.....	.TuC03.5	4650
Savkovic, Borislav.....	.TuC09.3	4849
Savla, Ketan.....	MoB25.13	1849
Savvaris, Al.....	FrB18.4	12174
Sawaragi, Tetsuo.....	.TuB25.16	4535
.....	.ThB24.4	9864
Sawodny, Oliver.....	WeB08	CC
.....	WeB08.2	6612
.....	WeC06.1	7467
.....	.ThC06	C
.....	.ThC06.4	10119
.....	.ThC06.6	10132
.....	.ThC23.2	10682
Saxén, John-Eric.....	FrA01.6	10802
Sayed Hassen, Sayed Zahiruddeen.....	FrB06.5	11787
Sayyaddelshad, Saleh.....	MoA02.5	61
Sbarbaro, Daniel G.....	WeB17.3	6947
Scali, Claudio.....	WeB10	C
.....	WeB10.5	6710
Scarcia, Umberto.....	MoA09.1	299
.....	.TuA18.2	3364
Scarciotti, Giordano.....	.ThB13	C
.....	.ThB13.1	9462
Scattolini, Riccardo.....	WeC05.6	7461
Schaich, Rainer Manuel.....	FrB13.6	12004
Scharlau, Cesar C.....	.TuB13.3	4074
Schaub, Alexander.....	MoC23.2	2640
Schauer, Thomas.....	WeB07.4	6587
Schaum, Alexander.....	.TuA02.4	2812
Scheffknecht, Günter.....	MoB12.3	1343
.....	.ThA01.3	8196
Scherpen, Jacquélien M.A.....	WeB09.4	6662
Scheu, Holger.....	MoC10.1	2183
Schiffer, Johannes.....	WeB01.2	6361
Schilling, Klaus.....	WeC19	C
.....	WeC19.6	7960
.....	.ThA17	CC
Schirrer, Alexander.....	.ThA25.2	9019
Schitter, Georg.....	WeB06.3	6550
Schlacher, Kurt.....	WeA13.5	5878
Schlarb, Holger.....	.ThB06.5	9235
Schlegel, Milos.....	.ThC20.3	10580
.....	.ThC21.4	10622
.....	FrB06.4	11781
Schlipf, David.....	WeA12.2	5820
Schmidt, Christian.....	.ThB06.5	9235
Schmidt, Michael.....	.ThB19.3	9691
Schmidt, Phillip.....	.TuA02.4	2812
Schmidt, Signe.....	MoA07.2	231
Schmitt, Mathias.....	MoC22.3	2611
Schmitz, Ulrich.....	.TuC25.2	5333
Schneider, Klaus.....	.ThC06.4	10119
Schneider, Michael.....	.TuB25.10	4499
.....	.ThA10.3	*
Schneider, Moritz.....	MoC20.4	2551
Schneider, René.....	MoC10.1	2183
Scholten, Joni.....	MoC10.2	2189
Scholtz, Ernst.....	.TuP22a.1	*
Schön, Thomas Bo.....	MoA03	C
.....	MoA03.2	79
.....	MoA03.4	92
.....	MoB14.1	1404
.....	.TuB14.1	4097
.....	.ThA03.5	8286
.....	.ThA14.1	8656
Schön, Walter.....	MoB25.4	1796
Schörghuber, Markus.....	.TuB25.15	4529
Schoukens, Johan.....	MoA14.2	481

.....	MoA14.5	499
.....	MoA14.6	505
.....	TuC14.4	4999
.....	FrA03.3	10856
Schoukens, Maarten	MoA14.2	481
.....	MoA14.5	499
.....	MoA14.6	505
Schranz, Christoph.....	ThB25.8	9919
Schroedter, Richard.....	MoC24.3	2685
Schug, Ann-Kathrin.....	ThA04.4	8317
Schulte, Horst.....	TuB21.1	4304
Schultze, Martin	ThB12.2	9432
Schulz, Brenton.....	FrA03.6	10875
Schulze, Denis	TuA20.5	3456
Schulze Darup, Moritz.....	WeA05.4	5574
Schuricht, Falk	MoB25.5	1802
Schuster, Eugenio.....	MoA19.5	671
.....	MoB19.2	1568
.....	TuB02	CC
.....	TuB02.5	3702
.....	TuC21.5	5223
.....	ThC12.6	10319
Schuster, Michael.....	ThB18.6	9673
Schütz, Daniel.....	TuA22.2	3509
Schwartz, Galina.....	TuC01.6	4584
Schwarzgruber, Thomas.....	FrA06.5	10946
Schwensen, John.....	ThC01.4	9942
Schwientek, Alexander O.....	ThB19.3	9691
Schwingshackl, Daniel	FrA03.4	10862
Sciandra, Antoine.....	WeA23.5	6216
.....	WeB23.6	7152
Sciarretta, Antonio.....	TuB08	O
.....	TuC08	O
.....	TuC08.1	4807
.....	WeA08.2	5671
Scordamaglia, Valerio.....	MoC21.1	2570
.....	WeC05.4	7449
Scott, Joseph	MoB05.5	1102
Scruggs, Jeff	TuC06.6	4766
.....	WeC12.4	7702
Seatzu, Carla	WeC04.5	7418
Sebastian, Abu	WeB06	C
.....	WeB06	O
.....	WeC06	C
.....	WeC06	O
.....	WeC06.6	7499
Sebek, Michael.....	MoA17.2	587
.....	TuA03.4	2848
.....	WeC23.4	8091
.....	ThB04.2	9177
Secchi, Cristian	MoB25.11	1837
.....	ThC09.1	10213
Seel, Thomas.....	WeB07.4	6587
Seelecke, Stefan	FrA06.2	10926
Seewald, Alois.....	ThB23.2	9822
Segundo Potts, Alain.....	WeA03.6	5514
Segundo Sevilla, Felix Rafael	TuA25.2	3605
Seifullaev, Ruslan	FrA13.1	11165
Seitz, Christian	TuA20.3	3444
Sekaj, Ivan	MoB24	C
.....	MoB24.2	1748
.....	WeB18	C
.....	WeB18.4	6982
.....	FrA25.1	11589
Seker, Murat.....	MoA15.4	529
Sekiguchi, Kazuma	WeA08.5	5691
Selivanov, Anton	MoB16.2	1477
Sellier, Mathieu	TuB07.4	3881
Selvaraj, Prabu.....	WeB25.14	7272
Selvi, Daniela	MoB16.3	1483
Sename, Olivier.....	TuB08.2	3905
.....	ThA05.4	8353
.....	ThA08.2	8445
Sener, Ibrahim.....	FrB17.5	12140
Sentouh, Chouki.....	WeA25.15	6344
Seo, Jiwon.....	MoB06.2	1114
Seo, Min-Guk	TuB09.5	3960
Seppälä, Pirjo.....	FrA22.4	11506
Seppälä, Sari.....	ThC03.3	10012

Seron, Maria.....	TuB13.5	4085
.....	.WeB05.3	6514
.....	.WeB11.1	6722
Serra, Romain.....	.MoC11.4	2231
Serrano, Damián.....	.MoA05.2	152
Servais, Étienne.....	.MoA19.3	659
Seshia, Sanjit.....	.ThB14.3	9510
Setiawan, Ridwan.....	.WeB19.5	7025
Severov, Leonid.....	.MoC24.2	2679
Sevim, Ufuk.....	.TuB05.5	3815
Sewdass, Sugith.....	.MoB10.1	1260
Seyboth, Georg S.....	.MoC04	CC
.....	.MoC04.4	1985
Sezi, Tevfik.....	.WeB01.2	6361
Shabbir, Wassif.....	.WeA25.2	6264
Shafiei, Seyed Ehsan.....	.MoB01.3	975
.....	.MoC01.4	1879
Shah, Sirish L.....	.TuA03.2	2836
.....	.WeA16	CC
.....	.WeA16.1	5957
.....	.ThB22	C
Shahbazi Aghbelagh, Mohammad.....	.MoC09.5	2171
Shahram, Yousefi.....	.MoB09.4	1241
Shaik, Ahmed Asif.....	.ThC09.3	10225
Shamsudhin, Naveen.....	.WeC06.6	7499
Shao, Cheng.....	.MoB10.3	1272
.....	.WeA17.5	6013
Shao, Hanyong.....	.TuB11.4	4018
Shao, Lei.....	.TuA24.4	3581
Shao, Limin.....	.WeB01.4	6374
Shao, Quan Min.....	.FrB03.2	11653
Shao, Xingyue.....	.MoA25.4	869
Shao, Zhijiang.....	.WeC10.3	7629
Shardt, Yuri.....	.TuA03.2	2836
Shareef, Zeeshan.....	.WeA18.1	6025
Sharkhawy, Mino.....	.FrB21.4	12284
Sharma, Ankita.....	.MoC18.3	2471
Sharma, Shambhu N.....	.ThA18.2	8805
Sharma, Shaurya.....	.MoC25.3	2721
Shaw, Geoffrey M.....	.TuB07.3	3875
.....	.WeA07.1	5629
.....	.WeA07.4	5647
.....	.WeA07.6	5659
.....	.ThA07.1	8403
.....	.ThC07.1	10138
.....	.ThC07.3	10150
.....	.ThC07.5	10162
.....	.FrA07.3	10970
.....	.FrA07.4	10976
She, Jinhua.....	.MoC25.8	2752
She, Lanbo.....	.FrB06.2	11767
She, Xu.....	.MoB01.2	969
Shearer, Riki.....	.TuC07.5	4796
Shehabinia, Ahmad Reza.....	.ThC04.3	10048
Shelton, Jeffrey N.....	.WeB25.4	7208
Shen, Qing.....	.FrB22.6	12331
Shen, Tielong.....	.WeA08.6	5697
.....	.WeB18.1	6965
Shen, Yanjun.....	.MoA08.2	269
Shen, Yi.....	.WeC21.4	8018
Shen, Zhen.....	.TuC17.5	5115
Sheng, Chunyang.....	.MoB03.1	1041
Sheng, Yongzhi.....	.WeC02.4	7336
Shewarega, Fekadu.....	.ThB01.6	9099
Shi, Fengming.....	.WeC21.2	8006
Shi, Hongbo.....	.WeA04.6	5550
.....	.FrB04.3	11697
Shi, Ling.....	.MoA04.3	122
.....	.MoA04.4	128
.....	.MoB08.6	1216
.....	.WeA04.6	5550
Shi, Linjun.....	.WeC01.1	7284
Shi, Peng.....	.WeA17.5	6013
.....	.WeB17	CC
.....	.FrB03.1	11647
Shi, Yang.....	.ThC04.6	10066
Shi, Yun Tao.....	.WeA12.5	5838
.....	.ThB20.2	9721
Shia, Victor.....	.WeA17.3	5998

Shidore, Neeraj	WeC17.5	7886
Shigeru, Tamura .....	.TuB12	C
.....	.TuB12	O
.....	.TuB12.4	4044
Shima, Tal .....	.MoC19.5	2521
.....	.MoC23.3	2646
.....	.TuB09.2	3942
.....	.TuB09.3	3948
.....	.ThB23.1	9816
Shimizu, Hiroshi .....	.TuB24.1	4406
Shin, Hyo-Sang .....	.TuB09.1	3936
Shin, Yang Woo .....	.MoB22.1	1667
.....	.MoB22.3	1678
Shinsuki Ide, Jaime .....	.TuB07.5	3887
Shipilov, Vladislav .....	.MoA01.5	25
.....	.ThB01.4	9087
Shiriaev, Anton .....	.TuB02.3	3690
Shoaei, Mohammad Reza .....	.MoC17.6	2448
Shorten, Robert .....	.TuA12.3	3146
Shrinkle, Lou .....	.MoC08.2	2112
Shtessel, Yuri B. ....	.FrA02.4	10826
Shu, Xinyu .....	.WeC08.6	7572
Shu, Zhan .....	.TuC15.1	5017
.....	.ThC17.6	10493
Shumafov, Magomet .....	.WeB13.5	6818
Shumsky, Alexey .....	.TuA23.4	3545
.....	.WeC13.3	7729
Si, Yulin .....	.WeB12.6	6788
Siahaan, Hardy B. ....	.MoB16	C
.....	.MoB16.4	1489
Sialve, Bruno .....	.WeA23.5	6216
Siano, Gianmichele .....	.TuA11.2	3104
Siarry, Patrick .....	.TuB09.1	3936
Sichani, Mahdi T. ....	.FrA12.6	11159
Siciliano, Bruno .....	.MoA09.1	299
.....	.MoB09.3	1234
Sidhu, Amardeep Singh .....	.ThA11.1	8546
Sievert, Alexander .....	.WeB07.3	6581
Sigalotti, Mario .....	.ThC05.5	10096
Signal, Matthew .....	.FrA07.3	10970
Siguercidjane, Houria .....	.MoC19	C
Sijs, Joris .....	.TuA15.4	3262
Silva, Alexandre Goncalves .....	.TuA24.2	3569
Silva, Eduardo I. ....	.FrA04.1	10882
Silva, Emilio Carlos Nelli .....	.TuC22.6	5258
Silva, José Reinaldo .....	.MoC22	C
.....	.MoC22.6	2628
.....	.TuC22	CC
.....	.TuC22	O
Silva, Luis .....	.FrA08.2	11000
Silva, Marco .....	.MoC12.4	2267
Silva Filho, Oscar Salviano .....	.ThA22	C
.....	.ThA22.3	8927
Silvas, Emilia .....	.TuB08.6	3930
Silvestri, Alessandro .....	.WeC22.3	8048
Silvestro, Federico .....	.TuB01.1	3645
Simandl, Miroslav .....	.MoC15.4	2364
.....	.WeA03.1	5485
.....	.WeA15.3	5933
.....	.WeA15.6	5951
.....	.WeA16.3	5969
Simani, Silvio .....	.TuB21	CC
.....	.TuB21	O
.....	.TuB21.2	4310
Simanski, Olaf .....	.WeB07.3	6581
Simard Bilodeau, Vincent .....	.ThC19.2	10535
Simetti, Enrico .....	.TuA18.1	3358
.....	.TuA18.4	3376
Simmini, Francesco .....	.MoC03.5	1953
Simo, Jose .....	.FrB21.5	12293
Simon, Dan .....	.ThC09.6	10244
Simon, Daniel .....	.MoA13.3	*
.....	.MoC11.1	2213
Sindelar, Radek .....	.ThB06.4	9229
Singh, Abhyudai .....	.MoA23.1	784
.....	.MoB07.1	1146
Singh, Navdeep .....	.WeA02.6	5479
Sinha, Arpita .....	.ThA04.3	8311
Sinha, Nandan Kumar .....	.MoB18.4	1556

Siqueira, Adriano A G	TuC07	C
	.TuC07.6	4801
Siri, Silvia	MoA25.17	936
Sivabalan, Senthuran	WeB12.3	6770
Sivertsson, Martin	TuC08.4	4825
Sjöberg, Johan	MoA06	CC
	MoA06.2	191
	TuB06	C
	WeB03.5	6454
Sjöberg, Jonas	WeA08.4	5685
Skarda, Radek	ThC21.4	10622
Skogestad, Sigurd	WeA10.3	5752
	ThB10	C
	TuB22.3	4352
Skrijanc, Igor	TuC25.3	5339
	TuC25.11	5387
Sleegers, Bram	MoA05.6	176
Slootweg, Johannes	ThA12.1	8583
Sloth, Christoffer	TuB12.2	4030
	FrB11	C
Slotine, Jean-Jacques E.	ThA02.1	8223
Smaili, Rahma	WeB21.2	7073
Smets, Ilse	WeB23	C
	WeB23	O
	WeB23.1	7122
	FrA25	C
Smidl, Vaclav	TuC14.6	5011
	ThA14.3	8669
Smirnov, Georgi	WeA05.6	5586
Smith, Christian	MoA09.3	311
Smith, Ralph C.	MoB03.3	1053
Smith, Roy	MoA17.3	593
Smith, Stuart	WeA13.2	5859
Smyrnakis, Michalis	MoB08.3	1194
Soares, Jorge M.	TuC18.3	5145
Soderstrom, Torsten	TuC03.1	4625
	TuC03.2	4631
	TuC03.4	4644
Soerenen, Asgeir	TuC18.5	5157
	ThA18.4	8819
Sofronova, Elena	WeB20.6	7061
Sofyali, Ahmet	WeC19.4	7947
Sohier, Henri	WeC19.5	7954
Soken, Halil Ersin	WeA15.1	5921
Sokoler, Leo Emil	TuA10.3	3074
Solis Garcia, Luis	TuB24.5	4429
Solovchuk, Klavdiia	WeC25.2	8140
Solovyeva, Elena	WeA13.4	5872
Soltani, Mohsen	ThC12	CC
	FrA12	C
	FrA12.6	11159
Soltani Rad, Javad	TuA22.3	3516
Sommer, Josef	ThB19.3	9691
Somov, Yevgeny	WeC19.3	7941
Son, Kwang Seop	MoA20.3	695
Son, Sung-Yong	TuB01.5	3670
Son, Tong Duy	WeA16.5	5981
Son, Youngseop	ThC23.6	10706
	FrB14.5	12035
Sonbolestan, Noushin	ThA18.5	8825
Soncini-Sessa, Rodolfo	WeA24.2	6234
Song, Bo	WeC06.4	7486
Song, Ceng	WeB12.1	6758
Song, Chao	WeB10.2	6686
Song, Kyoung Sub	ThC18.5	10524
Song, Liangsheng	ThA14.6	8689
Song, Min Joon	MoB22.3	1678
Song, Shiji	WeC04.6	7424
Song, Yanpo	ThA10.5	8534
Song, Yujiao	ThA01.4	8202
Song, Zhi-Huan	MoB03.5	1067
	WeC10.1	7616
	ThA03.3	8272
Sonntag, Marcus	WeB08.2	6612
Soós, David	WeA18.6	6056
Sootla, Aivar	TuA14.1	3208
Sopasakis, Pantelis	ThA07.4	8421
	ThC16.6	10457
Soragnese, Vincenzo	ThA07.2	8409

Sørensen, Poul Ejnar	WeB12.5	6782
Soriano, Angel	ThA25.6	9044
Sormiotti, Aldo	FrA14.3	11213
Sommo, Olof	ThB09.2	9327
Sorrentino, Marco	WeC17	O
Sorsa, Aki	FrA22	CC
	FrA22.4	11506
Sortanos, Stylianos	ThC22.3	10652
Sotomayor Moriano, Javier	MoB12.2	1337
Souley Ali, Harouna	TuB02.4	3696
	FrA02	C
	FrA02.1	10808
Sousa, Tiago	MoC12.4	2267
Souza, André	MoA01.6	31
Souza, Cristian	TuA13.5	3196
Souza, Jose de	MoC22.1	2600
	TuC22.4	5247
Souza, Matheus	WeA05.1	5556
Souza, Afonso Lopes, Jeferson	MoB05	C
	MoB05.3	1090
Soverini, Umberto	TuC03	C
	TuC03.1	4625
	TuC03.2	4631
	TuC03.4	4644
Sowa, Pawel	ThB01.3	9081
Söylemez, Mehmet Turan	TuA11.5	3122
Soylemez, Mehmet Turan	ThC23	CC
Spagnol, Pierfrancesco	WeA25.7	6295
Sparacino, Giovanni	MoC03.3	1941
Specker, Thomas	TuB25.14	4523
	FrB22.5	12325
Spelta, Cristiano	WeC08.3	7553
Sperinde, Alessandro	TuA18.1	3358
	TuA18.4	3376
Spinu, Veaceslav	MoC13.4	2297
Spong, Mark W.	WeB09	CC
	WeB09.2	6648
Spurgeon, Sarah K.	TuC02.5	4613
	FrA25.5	11611
	FrB07.3	11812
Squillante Júnior, Reinaldo	MoB05.3	1090
Srikant, Sukumar	ThA04.3	8311
Sriharan, Duluxan	WeC07.1	7505
St-Amour, Amelie	ThB19.2	9685
Stachowiak, Agnieszka	TuB25.18	4547
Stadlbauer, Stephan	TuA08.6	3018
Stahl, Christian	WeC16.1	7825
Stan, Guy-Bart	TuA14.1	3208
Standardi, Laura	MoC10.5	2207
Stanescu, Aurelian M.	MoA24.2	827
Stanghellini, Giuseppe	TuB18.6	4240
Stankovic, Nikola	WeB11.5	6747
Stapleton, Amy	FrA20.3	11431
Stapleton, Larry	FrA20.1	11419
Stapleton, Larry	FrA20.5	11444
Stark, Brandon	MoB09.6	1254
Stathopoulos, Antony	MoA25.15	924
	TuB17	CC
Stathopoulos, Giorgos	MoC13.2	2285
Steden, Frank	TuA20.4	3450
Stenson, Leo	FrB13.1	11974
Stefanov, Alexandru	FrA15.1	11238
Steinberger, Martin	WeB08.4	6624
Steinboeck, Andreas	ThC22.2	10646
Steinbuch, Maarten	MoA11.2	383
	TuB08.6	3930
	WeC05.5	7455
	ThC03.4	10018
Steininger, Juergen	WeB06.3	6550
Stelling, Joerg	MoA23	O
	MoA23.3	796
Stemmann, Meike	FrB05.1	11722
Stemmler, Sebastian	TuB22.4	4358
Stenmark, Maj	TuA09.6	3056
Stepanov, O.A.	ThB15.5	9557
Stevek, Juraj	ThC11.5	10275
Stevo, Stanislav	MoB24.2	1748
	FrA25.1	11589
Steyer, Jean-Philippe	WeA23.5	6216

Steyn, Willem Herman	.....WeC19.1	7929
.....	.....WeC19.2	7935
.....	.....ThB19	C
.....	.....ThB19.1	9679
Stigliano, Giambattista	.....MoC16.3	2394
Stille, Joergen	.....WeB07.6	6599
Stluka, Petr	.....MoA17.5	606
Stockley, Thomas	.....ThA12.5	8610
Stoehr, Klaus Dieter	.....TuA10.4	3080
Stoica Maniu, Cristina Nicoleta	.....WeB05.6	6533
Stoican, Florin	.....WeC21.5	8024
.....	.....WeC21.6	8030
.....	.....WeB07.5	6593
Stollenwerk, Andre	.....FrB01.4	11635
Stöß, Markus	.....TuA25.7	3629
Stotsky, Alexander A	.....MoA05.1	146
Stoustrup, Jakob	.....MoB01.3	975
.....	.....MoC01	CC
.....	.....MoC01	O
.....	.....MoC01.3	1873
.....	.....MoC01.4	1879
.....	.....TuB21.3	4316
.....	.....TuC01.1	4553
.....	.....WeA12.4	5832
.....	.....ThA21.3	8891
.....	.....ThC01.4	9942
.....	.....ThC01.5	9950
Straka, Ondrej	.....WeA03.1	5485
.....	.....WeA15.3	5933
.....	.....WeA15.6	5951
Stramosk, Vinicius	.....MoA15.5	534
Strbac, Goran	.....WeC18.3	7904
Streif, Stefan	.....TuA02.2	2800
.....	.....TuB14.2	4103
.....	.....TuB14.3	4110
.....	.....TuC03.5	4650
.....	.....WeB21.3	7079
.....	.....FrA10.3	11073
Strölin, Tobias	.....TuB25.4	4459
.....	.....ThC25.5	10760
Sturzenegger, David	.....MoA17.3	593
Su, Chun-Yi	.....TuB16.3	4146
.....	.....WeB25.1	7196
Su, Hongye	.....TuA02.1	2794
.....	.....TuA16.5	3315
.....	.....TuB02.1	3676
.....	.....TuC15.1	5017
.....	.....FrA02.2	10814
Su, Jianbo	.....TuA09	C
.....	.....TuA09.1	3024
Su, Mao	.....TuA19.2	3401
Su, Rong	.....ThC04.3	10048
.....	.....ThC16.5	10451
Su, Yang	.....ThC16.5	10451
Su, Zhongshuai	.....TuC09.5	4861
Suardi, Andrea	.....TuA06.4	2939
.....	.....TuC12.5	4967
Suarez, Raul	.....ThB09.3	9334
Subbotina, Nina	.....WeA13.3	5866
.....	.....FrA18.6	11381
Subias, Audine	.....ThC15.2	10397
Sugeno, Michio	.....TuA08.2	2994
.....	.....TuC25.10	5381
.....	.....WeC20.4	7982
Suhir, Ephraïm	.....WeC03.1	7354
Sui, Tianju	.....MoA04.2	116
Sukhatme, Gaurav	.....WeC23.3	8085
Sulc, Bohumil	.....MoB15.1	1440
Summers, Tyler	.....TuB04.6	3784
Sun, Bo	.....WeA10.6	5772
Sun, Changyin	.....TuC02.2	4595
.....	.....WeA19.1	6062
.....	.....ThA02.4	8241
Sun, Cong Cong	.....WeA24.4	6246
Sun, De Hui	.....WeA12.5	5838
.....	.....ThB20.2	9721
Sun, Fuchun	.....MoB25.10	1831
Sun, Guanfeng	.....TuB25.16	4535
Sun, Heqing	.....MoC06.2	2046

	TuC17.3	5103
Sun, Jing	MoC02.6	1922
	ThA10.1	8516
Sun, Jinli	MoC04.5	1991
Sun, Kai	MoB01.1	963
Sun, Li	MoA12.2	413
	WeA11.5	5802
Sun, Liang	MoC11.2	2219
Sun, Qiao	WeA06.5	5617
Sun, Qirui	ThB16.2	9575
Sun, Ruoyu	WeA15.5	5945
Sun, Xubin	FrB17.1	12116
Sun, Youxian	MoB25.12	1843
	WeA04.5	5544
Sun, Zengqi	MoB25.10	1831
Sun, Zhen	ThA03.6	8293
Sun, Zhiyong	WeC06.4	7486
Sun, Zhiyong	ThB04.3	9183
Suratgar, Amir abolfazl	WeA25.3	6270
Suresh, Thenozhi	TuC06.5	4760
Sushchenko, Olga	WeC25.2	8140
Susto, Gian Antonio	MoC03	CC
	MoC03	O
	MoC03.4	1947
	MoC03.5	1953
Sutanto, Erick	WeB25.2	7202
Suzuki, Tatsuya	WeA18.4	6044
Svejda, Martin	FrB06.1	11761
Swaminathan, Anandh	TuB23.6	4400
Swevers, Jan	MoA09.2	305
	WeA06.3	5605
	WeA16.5	5981
	ThB08.5	9307
	ThB17.3	9617
Swierniak, Andrzej	FrA23	C
	FrA23	O
	FrA23.3	11530
	FrA23.4	11536
Sysolyatin, Dmitry	ThA25.9	9063
Szabo, Zoltan	MoA21.1	718
	MoA21.5	742
	TuA21.2	3477
Szalay, Péter	ThB07.1	9247
Szayer, Géza	WeA09.3	5715
Szeles, Annamária	ThB07.5	9271
Szlávecz, Ákos	TuA24.6	3593
T		
Taale, Henk	FrA17.2	11318
Tabatabaeipour, Seyed Mojtaba	WeB11.4	6741
	ThB01.5	9093
Tadeo, Fernando	TuA25.1	3599
Tagliavini, Alessia	MoC03.3	1941
Tagne, Gilles	ThB23.5	9840
Tahara, Kohei	WeA08.5	5691
Tahersima, Fatemeh	TuC01.1	4553
Tahk, Min-Jea	TuB09.5	3960
Tahri, Abdelouahad	MoA16.6	575
Taibi, Fateh	FrB03.3	11659
Taiwo, Oluwafemi	MoA10.2	346
	WeA10.2	5746
Tajti, Ferenc	WeA09.3	5715
Takács, Bálint	MoB02.6	1035
Takács, Gergely	TuC06.2	4739
Takada, Yuji	ThB24	C
	ThB24.4	9864
Takasaki, Masaya	TuC06.3	4748
Talbert, Thierry	FrA03.2	10850
Taleb, Miassa Amira	MoC08.4	2125
Taleb, Mohammed	MoB13.3	1380
Talebi, H.A.	MoC20.1	2533
Talji, Reine	ThB23.5	9840
Tamaki, Shunpei	WeA08.5	5691
Tamas, Kis	WeA22.3	6174
Tamas, Levente	MoC02.4	1910
Tan, Chee Keong	TuA10.2	3068
Tan, Min	MoB25.9	1825
Tan, Min	TuC09.5	4861
Tan, Xiangmin	MoA25.6	882
Tan, Ying	WeB02.2	6400

Tan, Ying.....	ThC02.3	9973
Tan, Yonghong.....	MoC06.5	2064
Tanaka, Hideaki.....	WeA25.13	6332
Tanelli, Mara.....	MoA25.13	912
.....	TuB08.4	3918
.....	WeC08.3	7553
.....	ThA08.1	8439
Tang, Huajin.....	WeB20.4	7049
Tang, Shuxia.....	FrA19.1	11385
Tang, Xiaocheng.....	TuC17.4	5109
Tang, Zhong-Liang.....	MoC13	CC
.....	MoC13.1	2279
Taniguchi, Tadanari.....	TuC25.10	5381
.....	WeC20.4	7982
Tanwani, Aneel.....	MoB17.3	1513
Tanyer, Ilker.....	TuA13.6	3202
Tao, Chunjing.....	TuB25.11	4505
Tao, Wang.....	ThB24.1	9847
.....	ThB24.2	9853
Tao, Yuan.....	FrA25.4	11605
Tapak, Peter.....	ThA25.1	9013
Tarable, Alberto.....	ThC13.1	10325
Tarbouriech, Sophie.....	MoA04.6	140
Tarnik, Marian.....	TuC16.1	5055
Tashiro, Hiroshi.....	WeB03.4	6448
Tatticioglu, Enver.....	MoA15.4	529
.....	TuA13.6	3202
Tavares, Renato Seiji.....	TuA24.2	3569
.....	WeC07.6	7535
Tavs Gregersen, René.....	ThB18.3	9654
Tayamon, Soma.....	WeA08.4	5685
Tayebi, Abdelhamid.....	MoC04	C
.....	MoC04.2	1971
.....	TuA13	C
.....	TuA13.1	3170
Taylor, C. James.....	TuB24.3	4417
Taylor, James H.....	FrB19	C
.....	FrB19.5	12214
Taylor, Peter.....	TuA11.4	3116
Tazvinga, Henerica.....	FrA12.2	11135
Tchangani, Ayeley, Philippe.....	ThB16.5	9593
Tedesco, Francesco.....	MoA25	CC
.....	MoC21.1	2570
.....	WeA24.1	6228
.....	ThB11.2	9400
.....	ThB11.3	9406
Teel, Andrew R.....	MoB17.5	1525
.....	WeA17.6	6019
Teixeira, César.....	MoB07.3	1158
Tejado, Inés.....	MoC05.5	2028
Tejeda, Gabriel.....	ThC22.5	10664
Tembine, Hamidou.....	TuC01.6	4584
.....	WeB20.5	7055
.....	ThA24.2	8989
.....	ThA24.3	8995
Temeltas, Hakan.....	ThC08.4	10194
Teng, Xianliang.....	TuA01.2	2764
Tenno, Robert.....	ThC16.3	10439
Teo, Kok Lay.....	WeC18.1	7892
Teo, Rodney.....	ThC04.3	10048
Teo, Yik Ren.....	FrB06.6	11793
Terblanche, Marthinus Christoffel.....	WeB25.13	7266
Termehchy, Atefe.....	ThA11.2	8552
Ternon, Céline.....	TuB23.4	4388
Terraneo, Federico.....	MoA20.5	707
Tervo, Kalevi.....	TuA23.3	3539
Tesi, Alberto.....	MoB16.3	1483
Tesi, Pietro.....	MoA04.5	134
.....	MoB16.3	1483
Thabet, Rihab El Houda.....	ThA03.2	8265
Thakur, Gunjan.....	MoA23.5	809
Thanapalan, Kary.....	ThA12.5	8610
Thapa Magar, Kaman.....	MoC01.5	1886
Theallier, Delphin.....	ThB25.4	9895
Theilliol, Didier.....	MoB05.1	1079
.....	WeC21.4	8018
Theis, Fabian J.....	MoB23.5	1729
Theis, Julian.....	WeA21.2	6129
Theorin, Alfred.....	ThA25.5	9038

Therault, Diane.....	TuC23.3	5276
Thil, Stéphane.....	ThC14.1	10361
.....	FrA03.2	10850
Thiry, Laurent.....	MoB20.6	1625
Thitsa, Makhin.....	WeB13.1	6794
Thomas, Doreen Anne.....	TuB08.5	3924
.....	WeA01.4	5426
.....	WeC17.4	7879
Thomas, Felicity.....	ThC07.1	10138
Thome, Jarrod.....	TuB20.4	4286
Thorel, Sylvain.....	ThB23.4	9834
Thornhill, Nina.....	MoB01.4	981
.....	TuA20.5	3456
Thornton, Steve.....	ThA16.5	8756
.....	ThC22.3	10652
Tian, Yu-Ping.....	ThB18.1	9643
.....	ThC02.1	9962
Tiba, Hamilton.....	TuC22.6	5258
Tie, Lin.....	WeA13.1	5852
Tiels, Koen.....	MoA14.2	481
.....	MoA14.5	499
.....	MoA14.6	505
Tikhonov, Dmitry.....	TuA22.2	3509
Tilbury, Dawn M.....	TuA23	CC
.....	TuA23.5	3551
Timm, Helge.....	ThA21.1	8879
Tippett, Michael James.....	TuA10.2	3068
Tison, Thierry.....	MoC20.5	2558
Tlale, Nkgatho Sylvester.....	ThC09.3	10225
Tocchetto, Marco A.....	TuA07.5	2975
Todorov, Marcos G.....	FrA11.1	11099
Toffanin, Chiara.....	MoC07.1	2070
.....	ThC07.2	10144
Toguyeni, Armand.....	MoB25.2	1784
Toh, Tzern T.....	MoA02.4	55
Toivonen, Hannu T.....	FrA01.6	10802
Tokmantsev, Timofey.....	WeA13.3	5866
Toledo, Franklina M.B.....	TuC22.1	5235
Tomizuka, Masayoshi.....	MoC06	CC
.....	MoC06	O
.....	WeB14.3	6843
.....	WeB25.5	7214
Tomlin, Claire J.....	WeB18.6	6994
Tomlinson, Hamish.....	ThC07.1	10138
Tona, Paolino.....	TuC08.2	4813
.....	WeA08.2	5671
.....	WeC12.5	7710
Tondu, Bertrand.....	ThC06.3	10113
Torelli, Sandro.....	TuA18.1	3358
.....	TuA18.4	3376
Torgashov, Andrey.....	MoB10.5	1284
Tornambe, Antonio.....	MoA02.2	43
Torres, Fernando.....	FrB09.4	11890
Torres, Fidel.....	ThC25.1	10737
Torres, Leonardo A. B.....	MoB09.5	1247
Torres, Lizeth.....	MoA03.1	73
Torres Salomao, Luis Alberto.....	ThB25.1	9880
.....	ThC22.4	10658
Tóth, Roland.....	WeB16.2	6907
.....	ThC03.5	10024
Totu, Luminita Cristiana.....	ThC01.6	9956
Tournier, Jean-Charles.....	TuA17.3	3333
Toussaint, Pierre.....	FrB01.1	11617
Toyoshima, Masumi.....	WeA25.13	6332
Trächtler, Ansgar.....	MoA06.1	182
.....	MoA18.2	626
.....	WeA18.1	6025
Trajanović, Miroslav.....	WeC16.5	7849
Tran, Quang N.....	MoC10.2	2189
Tran, Thi-Minh Dung.....	WeA04.2	5526
Trautmann, Clemens.....	WeA25.4	6276
Travé-Massuyès, Louise.....	ThC15.2	10397
Trimpe, Sebastian.....	FrA16	CC
.....	FrA16.2	11281
Trofino, Alexandre.....	MoA02.6	67
.....	MoA16	CC
.....	MoA16.4	563
.....	TuB13.3	4074
.....	WeB12.2	6764

Trogmann, Hannes	TuB16.2	4140
Trollope, James Edward	FrA14.2	11207
Tromop van Dalen, Caitlin	TuC07.2	4778
	ThB25.5	9901
Tsagarakis, Nikolaos	ThA06.4	8384
Tsai, Chia-Hung	FrB07.1	11800
Tsai, Mi-Ching	MoA06.4	204
	MoB24.3	1754
	MoC06	O
Tsao, Tsu-Chin	TuB24	CC
Tsitsimpelis, Ioannis	TuB24.3	4417
	MoC23	C
	TuB09	CC
	TuB09	O
	TuB09.1	3936
	ThB23	C
	FrB18.4	12174
Tsukamoto, Taro	TuA19.5	3419
Tsuzuki, Marcos de Sales Guerra	TuA24	C
	TuA24	O
	TuA24.2	3569
	TuA24.5	3587
	TuC22	C
	TuC22	O
	TuC22.2	5241
	TuC22.6	5258
	WeC07	CC
	WeC07.6	7535
Tudon-Martinez, Juan Carlos	WeA25.9	6307
	FrA04.4	10902
Tung, Hsi-Wen	WeC06.3	7480
Turchiano, Biagio	TuA12.2	3140
Turetta, Alessio	TuA18.1	3358
	TuA18.4	3376
Turkay, Semiha	ThA17.6	8793
Turki, Sadok	ThC25.6	10766
Turksoy, Kamuran	MoA07.5	249
Turnock, Stephen	FrB13.1	11974
Turrini, Enrico	TuC24.1	5296
Tyukin, Ivan	FrA03.5	10869
Tzekis, Panagiotis	ThB14.5	9522
Tzes, Anthony	FrA09.3	11036
Tzoneva, Raynitchka	MoC12.1	2245
U		
Ubertino Rosso, Jr., Roberto Silvio	TuA24.2	3569
Ueda, Koichiro	TuB06.5	3851
Ueda, Yuzuru	TuB01.3	3657
Ueno, Koji	MoA02.1	37
Ugrinovskii, Valery	TuC04.1	4662
Ukai, Kazuya	WeC24.5	8128
Ukovich, Walter	MoA25.14	918
Ulas, Cihan	ThC08.4	10194
Ulbig, Andreas	TuB12.1	4024
	TuB12.3	4038
	WeC01	CC
	WeC01.2	7290
	ThA01	CC
Ulbrich, Michael	TuB11.2	4010
Ulbrich, Stefan	TuC24.2	5302
Ulivi, Giovanni	WeC23.3	8085
Umedaly, Aryannah	WeB07.1	6569
Uotila, Turkka	MoB12.6	1361
Upcroft, Ben	MoC19.1	2495
Urbas, Leon	FrB01.4	11635
Uren, Kenneth Richard	MoC20.3	2545
	WeB10.3	6692
	WeB25.13	7266
	ThC11.2	10257
Usik, Egor	FrA13.1	11165
Ustoglu, Ilker	FrB17.5	12140
Utkin, Anton	TuB05.6	3821
Utkin, Victor	TuB05.6	3821
	WeC25.1	8134
Utz, Tilman	ThB02.6	9135
Uzuner, Hakan	ThC23.2	10682
V		
Vagapov, Yuriy	ThB06.6	9241
Valcher, Maria Elena	TuC25.13	5399

Valckenaers, Paul	TuB19.1	4246
	.TuC22	O
Vale, Zita	MoA01.6	31
	MoB15	CC
	MoC12.4	2267
	.TuB01	CC
	.WeB01.1	6355
	FrA15	C
	FrA15	O
	FrA15.2	11244
Valencia, Felipe	MoB15.4	1459
Valenzuela, Patricio E	MoB14.1	1404
Valera, Angel	ThA25.6	9044
Valeyev, Najl	FrA25.5	11611
Valle, Daniela	.WeB09.3	6656
Valles, Marina	ThA25.6	9044
Vallicrosa, Guillem	FrB18.2	12160
Valo, Richard	ThA25.8	9057
Valtin, Markus	.WeB07.4	6587
Vámos, Tibor	MoA21.1	718
van Boetzelaer, Frederik	.TuC17.1	5091
van de Wal, Marc	.TuB25.13	4517
van den Bogert, Ton	ThC09.6	10244
van den Boom, Ton J. J.	.TuC17.1	5091
Van den Hof, Paul M.J.	MoC14	C
	MoC14	O
	MoC14.4	2335
	.TuA03.3	2842
	TuC03	CC
	.TuC03.6	4656
	TuC13	CC
	.TuC13.1	*
van der Maas, Rick	TuC06	CC
	.TuC06.4	4754
van der Schaft, Arjan J.	.WeB09.4	6662
Van der Velden, Bart	.TuC11.2	4915
Van Dijk, Johannes	.WeA06.4	5611
Van Drunen, Erwin J.	.TuC07.3	4784
	.WeA07.6	5659
van Herpen, Robbert	ThC03.4	10018
van Heusden, Klaske	.WeB07.1	6569
van Horssen, Eelco Pascal	FrB11.2	11917
Van Houten, Elijah	ThB25.6	9907
Van Impe, Jan F.M.	.WeB23.1	7122
van Keulen, Thijs Adriaan Cornelis	MoC18	C
	MoC18.1	2456
Van Loock, Wannas	MoA09.2	305
van Niekerk, Theo	TuA08	CC
	.WeA08.3	5679
van Nooijen, Ronald Robert Paul	TuC24	C
	.TuC24.4	5315
	WeA24	CC
van Schijndel, Jos	FrB08.5	11860
van Schoor, George	MoB11.5	1320
	MoC20.3	2545
	.WeB10.3	6692
	.WeB25.11	7252
	.WeB25.13	7266
	WeC17	CC
	ThB12.5	9450
	ThC11.2	10257
van Solingen, Edwin	MoA21.4	736
van Vuuren, Pieter Andries	MoB11.5	1320
	.WeB10.3	6692
	.WeB25.11	7252
	ThB12.5	9450
van Wingerden, Jan-Willem	MoA21.4	736
	.WeB03.2	6436
	ThC15.1	10391
van Wyk, Hans-Werner van wyk	MoB25.1	1778
van Wyk, Michael Anton	.WeB10.3	6692
Váncza, József	.TuB01.4	3663
Vande Wouwer, Alain	MoB07.5	1170
Vanderhaegen, Frédéric	TuA23.4	3545
	TuB25	C
Vanek, Balint	TuA21.2	3477
Vanoli, Giuseppe	TuA11.2	3104
Varagnolo, Damiano	MoA17	O
	MoA17.4	599

.....	MoC03.1	1928
Varaiya, Pravin P.	WeA01.5	5432
Varga, A.	TuA21	C
.....	TuA21	O
.....	TuA21.4	3489
Vargas, Adriana	TuC25.1	5327
Vargas, Francisco J.	FrA04.1	10882
Vargas, Lucas Vares.....	ThA09.4	8496
Vargas-Garcia, Cesar Augusto	MoA23.1	784
Vargas-Martínez, Adriana	TuC14.5	5005
Vasek, Lubomir	TuC01.3	4565
Vasek, Vladimir	TuC01.3	4565
Vasiliev, Vladimir.....	ThB15.5	9557
Vasilijevic, Antonio	TuB18.4	4228
.....	TuB18.5	4234
Vassilaki, Marina.....	TuB11.1	4004
Vassilyev, Stanislav N.....	ThB01.1	9069
Vasudevan, Ramanarayan	WeA17.3	5998
Vatanabe, Sandro.....	TuC22.6	5258
Vayssettes, Jérémy.....	ThB14.2	9504
Vazquez, Carlos.....	MoB13	CC
.....	MoB13.2	1374
Vazquez, Rafael.....	MoB19.1	1562
.....	ThB19.5	9703
Vechiatto de Miranda, Paulo Andre	TuB07.5	3887
Vedyakov, Alexey.....	FrB16.4	12104
.....	FrB16.5	12110
Velasco Carrau, Jesús.....	ThA19.2	8837
Venayagamoorthy, Ganesh	ThA12	C
.....	FrA15.6	11269
Venture, Gentiane	MoC09.3	2159
.....	ThC09	C
.....	ThC09.2	10219
.....	FrB22	C
.....	FrB22.2	12305
Verde, Cristina	MoA03.1	73
Veres, Sandor M	MoB08	CC
.....	MoB08.3	1194
.....	TuA09.5	3048
.....	TuB25.8	4484
.....	ThB04	CC
Vereshchetin, Paul	MoA07.3	237
Verhaegen, Michel	MoA21.4	736
.....	TuA15.5	3268
.....	TuA21.3	3483
.....	WeA15.4	5939
.....	ThB14.6	9528
.....	ThC15.1	10391
Vernadat, François.....	TuA16.2	3292
Verriest, Erik I.....	TuB03.2	3720
.....	WeA18.2	6032
.....	WeB13.1	6794
Verrilli, Francesca	MoC10.4	2201
Verron, Sylvain.....	MoC03.2	1935
Vesely, Vojtech	TuC11.1	4909
.....	TuC11.5	4933
.....	WeC05.3	7443
Vialletelle, Philippe.....	TuA16.4	3309
Vicino, Antonio	MoB25.3	1790
.....	FrA01.3	10784
Victor, Stephane.....	TuA05.2	2891
Victor, Valci	MoB15.6	*
Vidal-Naquet, Fabien	TuC08.2	4813
Vignali, Riccardo	MoB14.3	1416
Vilanova, Ramon.....	ThC11.3	10263
Vilkhovoy, Michael	FrA07.6	10988
Vilkko, Matti Kalervo.....	WeA25.16	6350
.....	ThC03.3	10012
Villez, Kris	WeB23.4	7140
Vina, Francisco Eli	MoA09.3	311
Vinagre, B. M.	MoC05.5	2028
Vincent, Tyrone	TuB14.4	4116
Vinther, Kasper	MoA05.1	146
Visala, Arto.....	FrA24	CC
.....	FrA24.3	11565
.....	FrA24.6	11583
Vishwanathan, Vinoth	WeB25.12	7258
Visioli, Antonio.....	TuB24.2	4411
.....	WeA10.5	5766

	ThA25.7	9051
Vital, Gabriela Werner Gabriel	WeA05.1	5556
Vivas Lopez, Carlos Alberto	TuC14.5	5005
Vlacic, Ljubo	ThC20.1	10568
Voda, Alina	WeA06.6	5623
Voets, Henk	TuB08.6	3930
Vogel-Heuser, Birgit	MoA20	C
	MoB25.5	1802
	TuA20	C
	TuA20	O
	TuA20.1	3431
	TuA22.2	3509
	TuB25.10	4499
	WeA20.1	6092
	ThA10.3	*
Volta, Marialuisa	TuC24.1	5296
von Stryk, Oskar	TuC24.2	5302
von Wantoch, Thomas	MoB11.3	1308
Vonk, Bram	ThA12.1	8583
Voorhoeve, Robbert	ThC03.4	10018
Vorac, Premysl	MoC12.2	2253
Voropai, N. I.	MoC12	CC
	ThB01	C
Vos, David	TuP11.1	*
Vos, Ewoud	WeB09.4	6662
Vournas, Costas D.	WeA12.6	5844
Vozák, Daniel	WeC05.3	7443
Vozar, Steve	TuA23.5	3551
Vrána, Stanislav	MoB15.1	1440
Vrbicky, Andrej	ThC11.5	10275
Vrettos, Evangelos	FrA12	CC
	FrB15.4	12068
Vu, Trang	FrA19.3	11398
Vuillemin, Pierre	TuA19.4	3413
	WeA05.2	5562
Vukic, Zoran	TuB18.4	4228
	TuB18.5	4234
Vukov, Milan	TuA06.5	2945
	ThB17.3	9617
W		
Wadehn, Federico	MoB23.4	1723
Wadikhaye, Sachin	MoC06.4	2058
Wahlberg, Bo	MoA14	C
	MoB14.2	1410
	MoB14.4	1422
Wahlström, Niklas	TuB03.3	3726
	ThC20.4	10586
Wailly, Olivier	MoB05.2	1085
Wakaiki, Masashi	ThC02.4	9979
Waldherr, Steffen	MoB23	C
	MoB23	O
	MoB23.3	1717
Walker, Michael	MoA19.5	671
	MoB19.2	1568
	TuC21.5	5223
	ThC12.6	10319
Wall, Derek	MoC23.1	2634
Waller, Matias	TuA14.5	3232
Walsler, Dominik	ThC06.4	10119
Walter, Johannes Raphael	FrA13.2	11171
Walter, Marian	WeB07.5	6593
Walton, Claire	ThA23.5	8977
Wan, Yiming	TuA21.3	3483
Wang, Bing-Chang	WeA03.5	5508
Wang, Bo	ThB18.2	9649
Wang, Bo	FrB15	CC
	FrB15.2	12056
Wang, Bohui	ThA10.6	8540
Wang, Chaoli	WeA09	CC
	WeA09.6	5734
Wang, Fan	TuA02.1	2794
Wang, Fei-Yue	TuC17.5	5115
	ThB24	CC
	ThB24.1	9847
	ThB24.2	9853
	ThB24.3	9858
	ThC24	C
Wang, Hesheng	FrB09.3	11884
Wang, Hong	MoA10.1	338

.....	.....	WeB11.6	6753
.....	.....	.ThA18.5	8825
Wang, Honghai	.....	.ThC05.2	10078
Wang, Hongxia	.....	.WeA03.4	5503
Wang, Jianan	.....	.TuA04.5	2878
Wang, Jiandong	.....	.WeA10.1	5740
.....	.....	.ThC21.1	10604
Wang, Jing	.....	.MoB08.5	1210
Wang, Jingcheng	.....	.WeB02.2	6400
.....	.....	.ThA10.6	8540
Wang, Jingchun	.....	.MoC23.6	2664
Wang, Jinhuan	.....	.ThB04.5	9197
Wang, Jun	.....	.MoC22.2	2605
Wang, Jun	.....	.ThB17.6	9635
Wang, Jun-Wei	.....	.WeA19.1	6062
Wang, Junmin	.....	.ThC23	O
Wang, Junmin	.....	.FrB08	O
Wang, Junzheng	.....	.MoC09.4	2165
.....	.....	.TuB06.6	3857
Wang, Kai	.....	.TuC17.5	5115
Wang, Kai	.....	.ThC09.5	10236
Wang, Ke	.....	.TuA01.1	2758
.....	.....	.TuA01.5	2782
.....	.....	.TuA01.6	2788
Wang, Lei	.....	.TuB02	C
.....	.....	.TuB02.1	3676
Wang, Lijiao	.....	.FrB09.6	11904
Wang, Limin	.....	.FrA08.1	10994
Wang, Lin	.....	.ThC11.6	10281
.....	.....	.FrB04.5	11709
Wang, Lipeng	.....	.MoC09.4	2165
Wang, Liuping	.....	.MoA11.4	395
.....	.....	.MoA15.2	517
.....	.....	.TuB14.5	4122
.....	.....	.WeB03.3	6442
.....	.....	.FrB12.3	11956
.....	.....	.FrB13.1	11974
Wang, Long	.....	.TuA23.1	3527
.....	.....	.WeB09.5	6668
Wang, Meiling	.....	.ThB18.2	9649
Wang, Ming	.....	.MoB25.9	1825
Wang, Peiliang	.....	.MoB03.5	1067
Wang, Peng	.....	.MoC06.1	2040
Wang, Qianling	.....	.FrB17.1	12116
Wang, Qingfeng	.....	.WeB25.6	7221
Wang, Qingling	.....	.ThB04.6	9203
Wang, Qining	.....	.TuA23.1	3527
Wang, Rui-Hua	.....	.TuB11.4	4018
.....	.....	.ThC25.2	10743
Wang, Shoukun	.....	.TuB06.6	3857
Wang, Shun	.....	.MoB16.5	1495
Wang, Siqian	.....	.TuC19.3	5175
Wang, Tao	.....	.ThB17.2	9611
Wang, Wei	.....	.MoB03.1	1041
.....	.....	.WeA20.3	6105
Wang, Wei	.....	.WeC09.4	7598
Wang, Weijie	.....	.WeA11.5	5802
Wang, Wenzong	.....	.WeC01.4	7305
Wang, Xiangke	.....	.MoA18.1	620
Wang, Xiao	.....	.ThB24.3	9858
Wang, Xiaofan	.....	.WeA04.6	5550
.....	.....	.FrB04.3	11697
.....	.....	.FrB04.5	11709
Wang, Xiaozhou	.....	.FrB09.3	11884
Wang, Xin	.....	.WeB12.1	6758
Wang, XingJun	.....	.MoC25.4	2727
Wang, Xingxuan	.....	.TuA17.6	3352
.....	.....	.WeB02.5	6418
.....	.....	.ThC17.4	10481
Wang, Xue	.....	.MoB10.3	1272
Wang, Yan	.....	.WeC20.4	7982
Wang, Yan-Wu	.....	.WeA17.1	5987
Wang, Yatao	.....	.ThA15.4	8710
Wang, Yebin	.....	.TuB06.5	3851
Wang, Yilin	.....	.MoB25.8	1819
Wang, Yin	.....	.MoC17.1	2414
Wang, Ying	.....	.TuA01.2	2764
Wang, Yongji	.....	.MoA25.9	894
.....	.....	.TuA19.2	3401

.....	TuB25.11	4505
Wang, Youqing.....	FrA25.4	11605
Wang, Yu.....	WeA25.12	6326
Wang, Yunpeng.....	MoB25.9	1825
Wang, Yuquan.....	MoA09.3	311
.....	ThB04.4	9190
Wang, Zhenhua.....	WeC21.4	8018
Wang, Zhenpo.....	TuB08.1	3899
Wang, Zhiqiang.....	WeC10.3	7629
Wang, Zhishen.....	MoA25.9	894
Wang, Zhiyan.....	MoB01.6	999
Wang, Zhuo.....	TuC14.3	4993
.....	WeB17.1	6935
Wang, Zidong.....	MoB25.14	1855
Wang, Zihao.....	ThB16.1	9569
Wang, Zijiang.....	WeA09.6	5734
Ward, Christopher Patrick.....	FrA21.5	11476
Ward, Logan.....	WeA07.5	5653
Wardeh, Markus Nabil.....	WeB07.5	6593
Warell, Anders.....	FrB20.6	12255
Warier, Rakesh.....	ThA04.3	8311
Warner, Eric.....	TuC06.6	4766
Warren, Michael David.....	MoC19.1	2495
Waschl, Harald.....	TuA08.6	3018
.....	TuA10.1	3062
Watson, Angus.....	ThC07.1	10138
Weaver, Wayn.....	MoA01.2	7
Weber, Harald.....	MoB12	CC
.....	TuA12.1	3134
.....	WeC11.2	7653
.....	ThC01	C
.....	ThC01	O
.....	FrB12	C
Weerts, Hermanus Henricus Maria.....	MoB01.3	975
Wehner, Will.....	TuC21.5	5223
.....	ThC12.6	10319
Wei, Dai.....	ThC16.2	10433
Wei, Guoliang.....	WeA09.6	5734
Wei, Junming.....	WeB24.2	7164
Wei, Ling.....	TuC01.2	4560
Wei, Qinglai.....	TuB16.1	4134
Wei, Xiu Kun.....	FrB17	CC
.....	FrB17.2	12122
Weichhart, Georg.....	TuB20.3	4280
Weiland, Siep.....	FrA21.1	11450
.....	FrB11.2	11917
Weiskircher, Thomas.....	ThA08.6	8469
Weiss, George.....	TuC19.5	5187
Weiss, Martin.....	MoC23.3	2646
.....	TuB09.3	3948
Weller, Steven.....	FrA03	C
.....	FrA03.6	10875
.....	FrB01	CC
.....	FrB01.5	11641
Wen, Changyun.....	FrA02.2	10814
Wen, Chenglin.....	WeA15.5	5945
Wen, John T.....	MoA24.6	851
Werner, Herbert.....	MoC04.6	1997
.....	TuA04	C
.....	TuA04.2	2860
.....	TuC21	CC
.....	WeA21.2	6129
.....	WeA21.5	6147
.....	WeC23.2	8079
.....	ThA04	C
.....	ThA04.4	8317
.....	ThB06.5	9235
.....	FrB05	C
.....	FrB05.6	11749
.....	FrB14	CC
.....	FrB14.1	12010
Werner, Nils.....	WeA08.3	5679
West, Nicholas.....	WeB07.1	6569
Westwick, David.....	MoA14	CC
.....	MoA14.3	487
Weyrich, Michael.....	TuA20.4	3450
Whidborne, James F.....	MoA21	C
.....	WeB19	C
.....	WeB19.2	7007

	ThB08.1	9283
White, Richard	TuB07.3	3875
	ThA07.1	8403
Whitman, Lawrence	MoC16	CC
	MoC16.2	*
	TuA16	C
	TuA16	O
	TuB20.4	4286
Widlak, Piotr	FrA23.1	11518
Wiese, Daniel	TuB16.6	4164
Wigström, Oskar	ThC25.4	10754
Wik, Torsten	MoC08.6	2138
Willems, Frank	FrB08.5	11860
William, Fornaciari	WeA20.5	6117
Williams, Jonathan	ThA12.5	8610
Williams, Ryan	WeC23.3	8085
Wilson, Darrell M	MoA07.4	243
Winding, Robert	ThA07.6	8433
Winter, Jean Michel	MoC22.4	2617
	ThB20.6	9744
	FrB21.2	12272
Wior, Ireneus Rudolf	MoB15.3	1452
Wirth, András	TuA24.6	3593
Wisniewski, Rafal	TuB12.2	4030
	ThC01.6	9956
	FrA21.1	11450
	FrB11.3	11926
Witczak, Marcin	WeB11.3	6735
Woittennek, Frank	TuC19.3	5175
	WeC02.2	7324
Wolf, Gerrit	FrB01.4	11635
Wongpiromsarn, Tichakorn	FrA17.4	11332
Woo, Hanseung	MoC09.1	2147
	TuA23.6	3557
Wood, Thomas	MoA23.4	803
Woodfield, Tim B.F.	TuC07.5	4796
	ThB25.6	9907
Woodley, John M.	WeA23.3	6204
Worthmann, Karl	FrB01.5	11641
Wouters, Laurent	WeC16.3	7837
Wright, Nick	FrA21.5	11476
Wu, Fen	ThB13.5	9486
Wu, Jing	MoC08.1	2106
	TuC12.2	4947
	WeB01.4	6374
Wu, Jingbo	TuC04.1	4662
Wu, Junfeng	MoA04.4	128
Wu, Min	MoC25.8	2752
Wu, Wei	ThB13.6	9492
	FrA11.3	11111
Wu, Yongjun	WeB09.5	6668
Wu, Yongling	ThC11.6	10281
Wu, Yongxin	FrA19.4	11404
Wu, Yuhu	WeB18.1	6965
Wu, Yunkai	MoB05.4	1096
Wu, Zheng-Guang	TuC15.1	5017
Wu, Zhengxing	TuC09.5	4861
Wu, Zhenwei	TuA07.6	2981
	FrB22.3	12311
Wu, Zhiwei	ThA10.1	8516
Wu, Zhou	MoA01.4	19
Wynter, Laura	TuC17	CC
	TuC17.4	5109
X		
Xi, Jun	WeC06.4	7486
Xi, Ning	WeC02.1	7318
	WeC06.4	7486
	FrB06.2	11767
Xi, Yugeng	ThC15	CC
	ThC15.6	10421
	ThC17.2	10469
Xia, Biao	WeA17.5	6013
Xia, Li	ThC17.5	10487
Xia, Lu	WeA01.4	5426
	WeC17.4	7879
Xia, Meng	FrA13.3	11177
Xia, Weiguo	ThC04.2	10042
Xia, Xiaohua	MoA01	C
	MoA01.4	19

	MoA08.2	269
	TuA12.4	3152
	WeP11	C
	ThB22.6	9810
	FrA12.2	11135
	FrB15.2	12056
Xia, Zhongpu	WeB20.4	7049
Xiang, Ji	MoB25.7	1813
Xiao, Feng	ThA04.1	8299
Xiao, Jiang-Wen	WeA17.1	5987
Xiao, Jun	WeB24.1	7158
Xiao, Lingfei	TuC21.2	5205
Xiao, Nan	TuA04.4	2872
Xiao, Xuan	ThB18.2	9649
Xiaozhong, Liao	WeA19.5	6086
Xie, Guangming	WeC09.4	7598
Xie, Lei	TuA16.5	3315
	WeB10.2	6686
Xie, Lei	WeC25.4	8152
Xie, Lihua	TuA04.4	2872
	WeC13.5	7741
	ThB21.3	9762
	ThC04.3	10048
Xie, Sheng	TuC07.4	4790
	FrB07.6	11830
Xie, Wenfang	WeB25.9	7239
Xie, Xiaotian	WeB21.5	7091
Xie, Yangmin	ThB08.6	9313
Xin, Jianbin	MoB22.6	1698
	ThB23.3	9828
Xin, Xin	WeA19.1	6062
	ThA02.4	8241
Xing, Hao	WeA01.6	5439
Xiong, Anbin	TuA07.4	2969
Xiong, Junlin	ThC15.5	10415
Xiong, Ru	FrA17.1	11311
Xiong, Weili	ThB10.2	9364
Xu, Biao	MoA13.6	469
Xu, Bolun	TuB12.1	4024
Xu, Chao	WeC18.1	7892
Xu, Chenglong	ThC17.1	10463
Xu, Feng	WeC21.5	8024
	WeC21.6	8030
Xu, Lijia	ThB19.6	9709
Xu, Miao	TuA01.2	2764
Xu, Ming	ThC04.5	10060
Xu, Tingting	MoA08.4	281
Xu, Weihua	TuB02.1	3676
Xu, Yang	WeA20.2	6098
Xu, Yaojin	ThC02.1	9962
Xu, Yong	TuC15.1	5017
Xu, Zhanbo	WeC11.5	7671
Xu, Zhaobin	MoA23.4	803
Xu, Zuhua	WeC10.3	7629
Xue, Anke	FrA13.4	11183
Xue, Yali	MoA12.2	413
	WeA11.5	5802
Y		
Yadykin, Igor	TuA12	C
	ThB01.1	9069
	ThB01.4	9087
Yagoubi, Mohamed	WeB05.4	6520
Yalcin, Yaprak	MoC11	C
	MoC11.3	2225
Yamada, Kou	ThC05	CC
	ThC05.4	10090
Yamaguchi, Takashi	WeA14	CC
	WeA14	O
	WeB14	CC
	WeB14	O
Yamakita, Masaki	WeA21.6	6153
Yamamoto, Yutaka	TuA11.3	3110
	ThC02.4	9979
Yamashita, Yukio	TuA08.1	2987
Yan, Peng	MoC06.1	2040
	MoC06.3	2052
Yan, Qing	ThC12.2	10293
Yan, Weili	WeB14.2	6837
Yan, Weisheng	ThC04.6	10066

Yan, Xing-Gang.....	TuC02.5	4613
Yan, Xinming.....	MoA02.3	49
Yan, Yan.....	TuC02.2	4595
Yan, Zheng.....	MoC22.2	2605
Yan, Zhengbing.....	WeB10.4	6704
Yang, Bin.....	FrA09.1	11024
Yang, Cheng-Fu.....	WeA21.3	6135
Yang, Fan.....	WeB15.1	6870
Yang, Feisheng.....	ThC05.2	10078
Yang, Fu-Yun.....	MoA06.4	204
Yang, Guang-Hong.....	WeB11.6	6753
Yang, Hankang.....	WeA14.5	5914
Yang, Hao.....	MoC03.6	1959
Yang, Insoon.....	WeB18	CC
.....	WeB18.6	6994
Yang, Jingwen.....	ThA11.4	8564
Yang, Liangliang.....	FrA24.2	11559
.....	FrA24.4	11571
.....	FrA24.5	11577
Yang, Qingkai.....	MoA08.5	287
Yang, Qinmin.....	MoC24	C
.....	MoC24.4	2691
.....	MoC24.5	2697
.....	FrB20.6	12255
Yang, Ruiguo.....	WeC06.4	7486
Yang, Shengchun.....	TuA01.1	2758
.....	TuA01.3	2770
.....	TuA01.5	2782
.....	TuA01.6	2788
Yang, Wei.....	ThC18.5	10524
Yang, Wen.....	WeA04.6	5550
.....	FrB04.3	11697
Yang, Xianqiang.....	ThB10.2	9364
Yang, Xilin.....	MoC19.1	2495
Yang, Xin-Rong.....	ThA04.6	8329
Yang, Yi.....	ThC16.4	10445
Yang, Yingze.....	TuA25.6	3623
Yang, Yong.....	ThA16.5	8756
.....	ThC22.3	10652
Yang, Zhenglin.....	TuA01.4	2776
.....	TuA01.6	2788
Yang, Zhenyu.....	ThA03.6	8293
.....	ThA10	CC
.....	ThA10.2	8522
Yang, Zhile.....	ThA12.3	8594
Yang, Ziqi.....	MoA22.5	766
Yao, Bin.....	MoC06	C
.....	MoC06	O
.....	WeB25.6	7221
Yao, Cui-Zhen.....	FrA18.3	11363
Yao, Danya.....	MoC23.6	2664
Yao, Jia.....	ThC16.2	10433
Yao, Jianguo.....	TuA01.1	2758
.....	TuA01.3	2770
.....	TuA01.6	2788
Yao, Jun.....	TuA07.6	2981
Yao, Yuan.....	WeB10.4	6704
Yao, Zhiyuan.....	TuC19.6	5193
Yasar, Murat.....	WeB01.6	6386
Yashiro, Yusuke.....	TuA08.1	2987
Yasuda, Takayoshi.....	FrB16.1	12086
Ydstie, Erik B.....	ThB02	O
.....	ThB02.4	9123
Ye, Bao-Lin.....	FrA17.1	11311
Ye, Dan.....	WeB11.6	6753
.....	FrB22.3	12311
Ye, Fan.....	WeC15.5	7811
Ye, Hao.....	WeB15	CC
.....	WeB15.1	6870
Ye, Lingjian.....	WeC10.1	7616
Ye, Taihang.....	WeB10.2	6686
Ye, Xianming.....	TuA12.4	3152
Yebra, Luis.....	MoC20.6	2564
Yi, Boliang.....	ThB06.2	9216
Yi, Jianqiang.....	MoA25.6	882
.....	MoC19.4	2515
Yianatos, Juan.....	FrA22.1	11488
Yin, Chun.....	MoC05.2	2010
.....	TuC25.8	5369

.....	WeA19.4	6080
Yin, Shen.....	WeC05.1	7430
Yin, Xiang.....	MoC17.2	2422
Yli-Fossi, Timo.....	MoA12.4	426
Yli-Hallila, Teemu Veikko Johannes.....	ThC03.3	10012
Yong, Taiyou.....	TuA01	C
.....	TuA01	O
.....	TuA01.3	2770
.....	TuA01.6	2788
Yoo, Young Min.....	TuA19.3	3407
Yoon, Se Young (Pablo).....	ThB21.6	9780
York, Alexander.....	FrA06.2	10926
Yoshida, Eiichi.....	ThC09.2	10219
You, Keyou.....	MoA04.2	116
.....	WeC04.6	7424
Yu, Changbin (Brad).....	MoC04.1	1965
.....	TuB05.4	3809
.....	WeB24.2	7164
.....	ThB04	C
.....	ThB04.6	9203
.....	FrA09.2	11030
.....	FrB19	CC
Yu, Chengxia.....	MoC07.5	2094
Yu, Han.....	TuB06.5	3851
Yu, Jeffrey.....	ThC24.1	10713
Yu, Jen-te.....	ThA04.2	8305
Yu, Jun Young.....	FrB14.5	12035
Yu, Junzhi.....	TuC09.5	4861
Yu, Li.....	TuB04.3	3764
.....	WeA03.4	5503
Yu, Shuanghe.....	MoB25.8	1819
Yu, Wen.....	TuC06.5	4760
.....	ThA25.4	9032
Yu, Xiaolong.....	ThB16.2	9575
Yu, Xunwei.....	MoB01.2	969
Yu, Zhenpeng.....	WeA10.1	5740
Yu, Zhiwei.....	MoB16.5	1495
Yuan, Kebin.....	TuA23.1	3527
Yuan, Ruyi.....	MoA25.6	882
.....	MoC19.4	2515
Yuan, Tao.....	ThC21.3	10616
Yuan, Xiaofeng.....	MoB03.5	1067
Yuan, Ye.....	MoC14.3	2329
.....	WeA04.6	5550
Yuan, Zhiguo.....	MoC25.2	2715
Yue, Hong.....	MoA25.16	930
.....	TuA03.1	2830
Yue, Wei.....	TuB17.4	4190
Yue, Yong-Wang.....	TuB17.6	4201
Yulashev, Marat.....	ThA02.6	8253
Yuldashev, Renat.....	ThA02.6	8253
Yun, Sehyun.....	TuA19.3	3407
Yusa, Takeshi.....	FrA24.1	11553
Z		
Zabet, Khaled Ramdan.....	TuC25.2	5333
Zacekova, Eva.....	MoA17.2	587
.....	TuA03.4	2848
Zaidi, Salman.....	TuA14.4	3226
Zakova, Katarina.....	ThB20.5	9738
Zamfirescu Bala, Constantin.....	TuB22.2	4346
Zamorano, Juan.....	MoB20.1	1592
Zanardo, Gabriele.....	FrB14.4	12029
Zanella, Filippo.....	ThC13.5	10349
Zanon, Mario.....	WeA12.1	5814
Zanon, Mattia.....	MoC03.4	1947
Zareinejad, Mohammad.....	MoC24.6	2703
Zarovskiy, Ruslan.....	ThB06.6	9241
Zarrilli, Donato.....	FrA01.3	10784
Zasadzinski, Michel.....	TuB02.4	3696
Zattoni, Elena.....	MoA05.4	164
.....	MoB17.1	1501
Zavaglio, Erica.....	FrB01.3	11629
Zaytoon, Janan.....	ThP11	C
Zdesar, Andrej.....	TuC25.3	5339
Zdravkovic, Milan.....	WeC16.5	7849
Zechner, Christoph.....	MoB23.4	1723
Zeilinger, Melanie N.....	FrB13.2	11980
Zelm, Martin.....	TuA16.2	3292
Zeng, Ke.....	ThB24.3	9858

Zeng, Ming	MoB16.5	1495
Zeng, Shen	MoB23.3	1717
Zeng, Shuai	ThB24.1	9847
Zenger, Kai	TuA08.4	3006
	WeA08	C
Zerad, Jonathan	FrB01.1	11617
Zereik, Enrica	TuA18	C
	TuA18	O
	TuB18	C
	TuB18	O
	TuB18.1	4209
	TuB18.6	4240
	TuC18	C
	TuC18	O
	FrB18	O
	FrB18.5	12182
Zergeroglu, Erkan	MoA15.4	529
	TuA13.6	3202
Zraggen, Aldo Urban	WeA12.3	5826
Zha, Wenting	WeC15.4	7805
Zhai, Junyong	WeC15.4	7805
Zhang, Bing Lin	MoB22.3	1678
Zhang, Bowen	FrA15.3	11250
Zhang, Cheng	ThA12.3	8594
Zhang, Chi	FrA24.2	11559
Zhang, Cishen	WeC11.4	7665
	ThA12.4	8604
Zhang, Daohui	TuA07.4	2969
Zhang, Daoyuan	MoA08.2	269
Zhang, Dongkai	WeA09.6	5734
Zhang, Fan	ThA04.5	8323
Zhang, Haiyu	ThA23.2	8959
Zhang, Heng	MoA04.4	128
Zhang, Hengjun	WeA09.6	5734
Zhang, Hongchang	ThA22.6	8947
Zhang, Hongwei	MoB03.5	1067
Zhang, Hongwei	TuC04.4	4681
Zhang, Huaguang	TuC25.5	5351
Zhang, Ji-Feng	WeC02.6	7348
	ThB21.1	9750
Zhang, Ji-Shi	WeA17.1	5987
Zhang, Jianhua	TuA07.2	2957
Zhang, Jianming	WeB10.2	6686
	WeC25.4	8152
Zhang, Jie	MoC24.4	2691
Zhang, Jie	WeB02.5	6418
Zhang, Jie	ThB24.1	9847
	ThB24.2	9853
Zhang, Jie	ThC17.4	10481
Zhang, Jing	MoB20.3	1605
Zhang, Jing	WeB15.1	6870
Zhang, Kai	ThC21.5	10628
	ThC21.6	10634
Zhang, Kaifeng	TuA01	CC
	TuA01	O
	TuA01.2	2764
	TuA01.4	2776
Zhang, Kaiqiang	WeA14.4	5908
Zhang, Langwen	ThA10.6	8540
Zhang, Lei	TuB08.1	3899
Zhang, Lele	TuC16.3	5067
Zhang, Liangyin	ThC17.6	10493
Zhang, Lijun	ThA18.1	8799
Zhang, Lijun	ThB22.6	9810
Zhang, Lixian	TuB05.4	3809
	ThC17	C
	ThC17.3	10475
Zhang, Qiang	WeC18.2	7898
Zhang, Qin	WeC24.1	*
Zhang, Qingling	TuC02.5	4613
Zhang, Qingpeng	ThB24.3	9858
Zhang, Wei	WeA10.6	5772
Zhang, Weidong	WeA10.6	5772
	ThA10	C
Zhang, Weidong	ThB24.5	9870
Zhang, WeiJie	WeB24.1	7158
Zhang, Wen-An	TuB04.3	3764
Zhang, Xi	MoA12.2	413
Zhang, Xian	WeB11.2	6728

Zhang, Xiaojing	MoB21.4	1649
Zhang, Xiaoyong	WeB17.5	6959
Zhang, Xinzhan	ThB24.3	9858
Zhang, Xuebo	ThC06.5	10126
	FrB09	CC
	FrB09.2	11878
Zhang, Y. M.	WeB24.1	7158
	ThC22.1	10640
Zhang, Ya	ThB18.1	9643
Zhang, Yan	TuB23.3	4382
Zhang, Yanjun	TuA09.1	3024
Zhang, Youmin	TuA22	CC
	TuA22.3	3516
	TuB21.5	4328
	TuC25.1	5327
	FrB03	CC
	FrB03.5	11673
Zhang, Yu	ThC05.2	10078
Zhang, Yulai	TuB01.2	3651
	WeC25.6	8164
Zhang, Zhen	MoC06.1	2040
	MoC06.3	2052
Zhang, Zhengqiang	TuB11	C
	TuB11.4	4018
Zhao, Changzhong	FrA11.5	11123
Zhao, Chengcheng	MoB08.1	1182
Zhao, Chunhui	MoC07.5	2094
	MoC25.7	2746
	WeB10.1	6680
Zhao, Cong	MoB22.2	1672
Zhao, Dongbin	WeB20.4	7049
Zhao, Fei	ThA05.1	8335
Zhao, Guanglei	WeB02.2	6400
Zhao, Hao	ThB16.6	9599
Zhao, Huining	WeC25.4	8152
Zhao, Jiangbo	TuB06.6	3857
Zhao, Jianguo	WeC02.1	7318
Zhao, Jinjin	ThC16.4	10445
Zhao, Jiuhua	FrB04.5	11709
Zhao, Jun	MoB03.1	1041
	WeA20.3	6105
Zhao, Jun	WeC10.3	7629
Zhao, Li	ThA03.3	8272
Zhao, Lu	WeB21.5	7091
Zhao, Luping	WeB10.1	6680
Zhao, Qi	ThA07.5	8427
Zhao, Sheng	MoC24.5	2697
Zhao, Sheng	ThA23.2	8959
Zhao, Shi	MoA25.1	857
Zhao, Wenxiao	TuC14.1	4979
Zhao, Xiaodong	MoA15.1	511
Zhao, Xiaowei	TuC21.3	5211
Zhao, Xin	MoC08.2	2112
Zhao, Xingang	TuA07	CC
	TuA07.4	2969
	TuA07.6	2981
	FrB22.3	12311
Zhao, Yanlong	TuA14.3	3220
Zhao, Yao	WeC02.4	7336
Zhao, Yiwen	TuA07.6	2981
	FrB22.3	12311
Zhao, Yue	WeC25.6	8164
Zhao, Yuhong	TuC12.3	4953
Zhao, Zhiyun	MoA08.1	263
Zheng, Dongfang	ThA23.3	8965
Zheng, Gang	TuC09.6	4867
Zheng, Huarong	ThA18.3	8812
Zheng, Jianying	WeB18.5	6988
Zheng, Jinchuan	MoB06.6	1140
Zheng, Jinghong	TuA25.3	3611
	TuC01.2	4560
Zheng, Kai	MoB25.8	1819
Zheng, Minghui	WeB14.3	6843
Zheng, Wei Xing	FrB04	C
	FrB04.2	11691
Zheng, Yaxian	TuA01.4	2776
Zheng, Yi	FrB15.5	12074
Zhirabok, Alexey N.	TuA23.4	3545
	WeC13.3	7729

Zhiteckii, LeonidWeC25.2	8140
Zhong, HaoWeC16.6	7855
Zhong, MaiyingWeC21.1	8000
Zhong, Qing-ChangMoA12	C
.....TuC01	C
.....FrB12	CC
Zhong, ShoumingTuC25.8	5369
.....WeA19.4	6080
Zhou, ChengxuThA06.4	8384
Zhou, ChunlinMoC24.4	2691
Zhou, DiMoA13.6	469
Zhou, DonghuaMoB05.4	1096
.....MoB25.14	1855
Zhou, EnluWeC15.5	7811
Zhou, FengWeB17.5	6959
Zhou, FengyiMoA08.5	287
Zhou, Hua-ChengFrA18.3	11363
Zhou, JiajiaWeC01.1	7284
Zhou, LeThA03.3	8272
Zhou, Meng ChuThB16.2	9575
Zhou, ShaoShengFrA13.4	11183
Zhou, XuanhaoFrA17.1	11311
Zhou, YiyiTuC12.3	4953
Zhou, YuanThB18.2	9649
Zhu, BingThC04.5	10060
.....FrA12.2	11135
Zhu, FengFrA13.3	11177
Zhu, FengtianFrB15.4	12068
Zhu, HanThB17.6	9635
Zhu, HenghuiThA16.2	8737
Zhu, HuayongMoA18.1	620
Zhu, JiandongMoC04.5	1991
.....ThC13.2	10331
Zhu, JinyingTuA23.1	3527
Zhu, JunpengTuA01.1	2758
Zhu, MinFrB09.5	11898
Zhu, QidanWeA09.4	5721
Zhu, ShouzhenTuA25.3	3611
.....TuC01.2	4560
Zhu, WanliWeB12.1	6758
Zhu, Wen-HongThA09.2	8481
Zhu, XiaocongWeB25.6	7221
Zhu, YuanmingTuC11.3	4921
Zhu, YueTuC21.2	5205
Zhuan, XiangtaoFrA01.2	10778
Zhuang, YanFrB09.5	11898
Zhusubaliyev, ZhanybaiTuA17.4	3340
Zibani, IshmaelWeA08.1	5665
Zicha, JosefFrA25.1	11589
Zidi, AmirTuB17.5	4196
Zietsman, LizetteWeC14.4	7773
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Instrumentation and control systems	FrB12.3, MoA01.6, MoB12.1, MoB12.3, MoB12.5, MoB12.6, MoB15.1, MoC12.1, ThB12.5, TuA25.1, WeB12.4
Integrated monitoring, control and security for critical infrastructure systems	ThA16.3
Integrated traffic management	WeC23.1
Intelligent control of power systems	FrA01.4, FrA01.6, FrA15.3, FrB12.1, FrB15.1, MoA01.1, MoB01.6, MoB15.4, MoB15.5, MoC01.2, MoC12.3, ThA01.6, ThA12.1, ThA12.3, ThC01.5, ThC12.5, TuA01.6, TuA12.2, TuA12.3, TuA25.2, TuA25.3, TuA25.5, TuB12.2, TuC01.3, TuP22a.1, WeB01.5, WeC01.5, WeC12.1, WeC12.5
Intelligent controllers	MoA06.1, MoB24.1, MoB24.2, MoB24.3, MoB24.4, MoB24.5, MoB24.6, ThC06.3, TuA06.5, TuB06.6, TuB25.7, TuC09.3, WeB24.6
Intelligent decision support systems in manufacturing	ThA22.2, WeB22.3, WeC22.1
Intelligent driver aids	MoA25.12, ThB23.2, ThC23.1, ThC23.2, ThC23.4, WeA25.3, WeA25.4, WeA25.8, WeA25.11, WeA25.14, WeC08.3
Intelligent interfaces	FrB22.3, TuA23.3
Intelligent maintenance systems	TuA22.3, TuA22.5, TuC22.6, WeB22.2, WeB22.3, WeC16.4
Intelligent manufacturing systems	MoA22.2, MoC22.2, TuA20.3, TuB22.2, TuB22.3, TuB22.4, TuC22.1, TuC22.2, TuC22.4, TuC22.6, WeC22.1
Intelligent robotics	FrB09.5, MoA09.1, MoA09.3, MoB24.5, ThA09.1, ThA09.5, ThC09.1, TuA09.1, TuA09.2, TuA09.3, TuA09.4, TuA09.5, TuA09.6, TuA23.2, TuC09.3, WeA09.4, WeC09.4, WeC09.6
Intelligent system techniques and applications	ThA16.4, ThC16.2, TuC22.1, WeB22.3
Intelligent transportation systems	FrA17.1, FrA17.3, FrA17.4, FrA17.5, FrA17.6, FrB17.2, MoA25.13, MoA25.14, MoA25.17, MoA25.19, ThA17.2, ThB23.2, ThB23.3, ThC23.5, TuB17.1, TuB17.2, TuB17.4, TuB17.5, TuC17.4, TuC17.5, WeA25.15, WeC08.1, WeC23.1
Intensive and chronic care or treatment	FrA07.3, MoB07.6, ThA07.5, ThA07.6, ThC07.1, TuA24.4, WeB07.5
Interaction between design and control	TuC10.2
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Internet based teaching of control engineering	FrB20.4, ThA25.7, ThA25.8, ThC20.5
Internet of Services and Service Science	MoC16.5
Internet of things	ThB20.3
Internet-of-Things	WeC16.5, WeC16.6
Interoperability and sustainable enterprise	TuB20.2, TuB20.3, TuB20.5, TuB20.6
Interoperability requirements	MoC16.1, TuB20.3
Iterative learning control	TuB16.1, TuB16.2, WeA16.2, WeA16.5, WeB03.2
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Kalman filtering techniques in automotive control	FrA14.6, MoC08.6, ThA11.1, WeA25.7
Kinetic modeling and control of biological systems	FrA07.6, FrA23.2, FrA23.5, FrB07.1, FrB07.2, FrB07.3, FrB07.5, MoA23.2, MoA23.6, MoB07.1, MoB07.2, MoB23.1, MoB23.4, ThB07.1, ThB07.4, ThB07.5, ThB25.3, ThC07.1, ThC07.3, ThC07.6, WeB07.6
Knowledge modelling and knowledge based systems	MoA24.1, MoA24.4, TuA09.4, TuA09.6, TuB25.16
Knowledge-based control	MoA20.1, MoC20.4, MoC20.6, TuA20.5, WeC20.5
Knowledge discover (data mining)	ThA16.5
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Learning theory	MoB03.6, ThC15.1, ThC15.2, WeB15.3
Life-cycle control	MoC22.6, TuA22.5, WeC16.2
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Linear systems	FrB05.3, FrB05.4, FrB05.5, MoA05.2, MoA05.5, MoB05.5, MoC05.4, MoC18.5, MoC21.2, ThA05.2, ThA05.4, ThB08.5, ThB11.1, ThB11.2, ThB11.3, ThB21.1, ThB21.4, ThC05.2, ThC05.4, ThC05.5, TuA05.2, TuB05.1, TuB05.3, TuB05.5, TuB05.6, TuB11.1, TuC05.2, WeA05.1, WeA05.2, WeA05.3, WeA05.4, WeA05.5, WeA05.6, WeA18.2, WeA18.4, WeA18.6, WeA19.2, WeB05.1, WeB05.2, WeB05.3, WeB05.4, WeB05.6, WeB11.6, WeB13.6, WeB19.2, WeC25.7
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Model following control	MoB05.3, MoB11.3, ThA05.3, ThP22.1, TuC25.9, WeP22.1
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Networked robotic system modeling and control	FrB09.6, MoB09.2, MoB09.3, WeA09.2, WeB09.1, WeB09.2, WeB09.3, WeB09.4, WeB09.5, WeB09.6
Networked robotic systems	FrA04.6, MoA08.5, MoC04.2, ThB04.5, ThC04.4
Networked systems	FrA13.1, FrA13.3, MoB13.5, MoC21.3, MoC21.5, ThC13.1, ThC13.2, ThC13.3, ThC13.4, TuA02.4, TuB13.4, TuC25.5, WeB04.4, WeB04.6, WeB11.5, WeC25.7
Networks of robots and intelligent sensors	MoA25.20, WeC23.3
Networks of sensors and actuators	MoA24.2, MoA24.5, MoB09.3, MoB09.6, ThA09.2, ThB06.5, WeB24.2, WeB24.3
Neural fuzzy modelling and control	ThC22.1, ThC22.3, ThC22.4, TuB10.4
Neural networks	FrB19.3, MoC23.5, TuB08.1
Neural networks in process control	FrB15.6, MoB01.6, MoB15.2
Non-smooth and discontinuous optimal control problems	MoB21.5, MoC18.1, WeC18.2, WeC18.5
Nonlinear adaptive control	FrA03.5, FrA16.4, FrA16.5, FrB16.1, FrB16.4, FrB16.5, MoA08.6, MoA16.1, MoA16.2, MoA16.3, MoA16.5, MoA16.6, TuA15.6, TuB16.3, TuC16.2, TuC16.3, TuC16.4, TuC16.5, WeA16.1, WeA16.3, FrB08.4, FrB08.5, FrB14.1, FrB14.2, FrB14.5, FrB14.6, MoC08.2, MoC08.5, ThA18.1, ThB23.5, TuA08.2, TuA08.3, TuA08.6, TuC08.1, TuC08.3, TuC08.4, TuC08.5, TuC17.3, WeA08.1, WeA08.2, WeA08.6, WeA25.5, WeA25.11, WeA25.13, WeB08.2, WeC08.1, WeC08.2, WeC08.4, WeC08.5, WeC08.6, WeC17.2
Nonlinear and optimal automotive control	FrB18.3, MoA25.2, ThA18.3, TuB18.1, TuC18.5
Nonlinear and optimal marine system control	MoB13.5, ThC02.1, ThC02.3, TuA13.1
Nonlinear cooperative control	FrA01.5, MoB10.6, TuB10.3
Nonlinear model reduction	FrA13.2, MoA02.1, MoA02.2, MoA02.3, MoA02.4, MoA02.5, MoA02.6, MoB11.3, ThA02.6, TuA02.1, TuA02.2, TuA02.3, TuA02.4, TuA02.5, TuA02.6, TuC02.5, WeA13.5, WeA19.5, WeB04.6, WeB13.4, WeC13.2, WeC14.5
Nonlinear observers and filter design	FrB13.5, FrB13.6, MoA13.1, MoA13.4, MoA18.4, MoB02.1, MoB02.2, MoB02.3, MoB02.4, MoB02.5, MoB02.6, MoB11.4, MoB21.4, MoC02.1, MoC02.2, MoC02.3, MoC02.4, MoC02.5, MoC02.6, MoC13.5, ThC13.3, WeB13.4
Nonlinear predictive control	FrA10.2, FrA10.3, FrA10.5, FrA10.6, MoC25.5, ThA10.2, TuA10.4, TuC10.6
Nonlinear process control	FrA03.4, FrA03.5, FrB03.3, MoA03.1, MoA03.4, MoA03.5, MoA14.1, MoA14.2, MoA14.3, MoA14.4, MoA14.5, MoA14.6, MoA16.3, MoB03.1, MoB03.4, MoB14.1, ThA03.4, ThA11.3, ThA14.1, ThA14.4, ThA14.6, ThB15.3, ThC03.6, TuA14.1, TuA14.2, TuA14.3, TuA14.4, TuA14.5, TuA14.6, TuB14.1, TuB14.2, TuB14.3, TuB14.4, TuB14.5, TuB14.6, TuC14.1, TuC14.2, TuC14.5, TuC14.6, WeA03.3, WeB03.4, WeB03.6, WeB16.2, WeC03.1, WeC03.2, WeC03.4
Nonlinear system identification	FrA03.3, FrA04.4, MoA14.5, MoB03.2, ThA03.5, ThC03.5, TuB03.2, TuC14.1, TuC14.3, TuC14.4, TuC14.5, TuC14.6, WeA03.6, WeB15.3
Nonparametric methods	
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Observer based and parity space based methods for FDI	FrA21.2, FrA21.5, TuA21.3, TuA21.4, TuA21.5, TuB21.4, TuB21.6, WeC21.1, WeC21.2, WeC21.3, WeC21.4, WeC21.5, WeC21.6
Observers for linear systems	FrA02.1, FrB05.2, TuC25.6, WeA21.6, WeB05.5, WeB05.6, WeC05.5, WeC13.1, WeC14.5
Ontology-based models	MoC16.1, TuA20.3, TuB22.2, WeC16.1, WeC16.2, WeC16.3, WeC16.4
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Optimal control in agriculture	TuB24.2, TuB24.3, TuB24.4, TuB24.5, WeC24.3
Optimal control of hybrid systems	MoB17.2, ThB17.1, ThB17.2, ThB17.3, ThB17.5, WeA17.2
Optimal control theory	FrA18.2, FrA18.6, MoA18.3, MoB02.4, MoB18.3, MoB19.3, MoC05.1, MoC11.4, MoC18.1, MoC18.2, MoC18.3, MoC18.4, MoC18.5, MoC18.6, ThA24.5, ThB08.1, ThB08.2, ThB11.4, TuA11.4, TuC25.3, WeA05.1, WeA11.1, WeA13.3, WeA18.1, WeA18.2, WeA18.3, WeA18.4, WeA18.5, WeA18.6, WeB05.4, WeB18.1, WeB18.2, WeB18.3, WeB18.5, WeB18.6, WeC14.3, WeC18.6
Optimal operation and control of power systems	FrA01.2, FrA01.3, FrA01.4, FrA12.2, FrA12.3, FrA12.6, FrA15.2, FrA15.6, FrB01.5, FrB12.4, FrB15.3, FrB15.4, FrB15.6, MoA12.1, MoA12.5, MoA15.1, MoA15.2, MoB01.2, MoB12.5, MoB12.6, MoB15.1, MoC10.3, MoC12.2, MoC12.4, ThA12.3, ThA12.4, ThB12.6, ThC12.1, ThC12.2, ThC12.3, ThC12.4, ThC12.5, ThC12.6, TuA01.2, TuA01.3, TuA01.4, TuA01.5, TuA12.4, TuA25.5, TuA25.9, TuB01.3, TuB12.1, TuB12.2, TuB12.3, TuB12.6, TuC01.4, TuC01.5, TuC12.2, TuC12.6, WeA01.2, WeA01.5, WeA12.1, WeA12.2, WeB01.4, WeB01.5, WeB01.6, WeB12.1, WeB12.2, WeB12.3, WeB12.6, WeC11.3, WeC11.5, WeC12.3
Optimal operation of water resources systems	TuC24.4, WeA24.1, WeA24.2, WeA24.4, WeA24.5
Optimization and control of large-scale network systems	ThA16.2, ThA16.3, ThA16.4, ThA22.3, ThB16.3, ThB16.4, ThB16.6, ThC16.5
Output feedback control	MoA02.4, MoB11.2, TuA02.5, TuB02.1, TuB02.3, TuB02.4, TuB02.5, TuB02.6, TuB05.6, TuC02.3, TuC02.6, WeA02.5, WeB04.6, WeC02.5, WeC13.3, WeC13.4, WeC13.5, WeC25.1
Output feedback control (linear case)	FrA11.2, MoA05.2, MoA05.6, ThB08.5, ThB11.5, TuB13.6, TuC21.3, WeB02.6, WeC05.1, WeC05.2, WeC05.3, WeC05.4, WeC05.5, WeC05.6
Output regulation	MoC11.3, ThB13.4, TuB02.2, TuC02.3, WeC25.8
Output regulation for distributed parameter systems	ThB21.6, ThC13.2, TuC19.5
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Parameter and state estimation	FrA25.4, MoA07.1, MoA23.6, MoB07.5, MoB23.3, MoB23.4, MoB23.6, MoC07.5, TuB23.6, TuC23.2, WeA23.2, WeB23.6
Parameter estimation based methods for FDI	FrA21.1, TuA21.1, TuA21.2, TuA21.3, TuA25.8, TuB21.2, WeB21.1, WeC21.4
Parameter-varying systems	ThB02.5, ThB13.2, TuA02.6, WeA02.1, WeA13.6, WeC25.3
Parametric optimization	MoA13.2, MoA21.4, MoB02.6, MoB11.4, MoC02.6, ThB21.2, ThC11.1, ThC11.2, ThC11.3, ThC11.4, ThC11.5, ThC11.6, WeA21.1, WeB18.4, WeC14.4, WeC18.1, WeC25.5
Particle filtering/Monte Carlo methods	MoB03.3, MoB03.6, MoB14.1, MoC03.4, ThA14.1, ThA14.2, ThA14.3, ThA14.4, ThA14.5, TuA15.1, TuB14.1, WeB15.5, WeC15.3
Passivity-based control	FrA13.1, FrA13.2, FrA13.3, FrA13.4, FrA13.5, MoB19.5, ThB02.1, ThB02.2, TuA13.5, WeB18.2
Pattern recognition based methods for FDI	FrA21.3, FrA21.4, FrA21.6, ThC21.2, WeB21.4, WeB21.5
Perception and sensing	FrB09.2, FrB09.5, MoB09.1, ThC08.5, WeB25.9, WeB25.14, WeC09.2, WeC09.3, WeC09.4, WeC09.5
Perspectives of e-learning versus traditional learning	FrB20.5, ThC20.5
Petri nets	MoB25.2, MoC17.1, MoC17.3
Pharmacokinetics and drug delivery	FrA23.2, FrA25.4, FrB07.1, FrB07.5, ThA07.4, ThA07.5, ThB07.3, ThB07.6, ThB25.3
Physiological Model	FrA07.1, FrA07.2, FrA25.1, FrA25.2, FrA25.3, FrB07.4, MoA23.2, MoB07.6, MoC07.6, ThA07.2, ThA07.4, ThA07.6, ThB07.4, ThB25.2, ThB25.8, ThC07.5, TuB07.6, TuC07.3, WeA07.4, WeA07.6, WeC07.1
Plant factories	TuB24.1, TuB24.3, WeC24.4, WeC24.5
Policy	ThA24.1
Polynomial methods	MoB05.2, ThB08.3, WeA19.3
Port Hamiltonian distributed parameter systems	FrA19.3, FrA19.4, MoA19.2, MoB19.4, MoB19.5
Positioning Systems	ThA23.2, ThA23.3, TuA19.3, TuC18.2
Positive systems	TuB05.1, TuB05.2, TuB05.3, TuB05.4, TuC25.6
Power systems	FrA12.4, FrA13.6, ThC11.5, WeA13.4, WeB18.6, WeC18.3
Power systems stability	FrB01.1, MoA15.5, MoA15.6, MoB01.1, MoB01.4, MoB12.1, MoB12.4, MoB15.3, MoB15.5, MoC01.1, MoC01.3, MoC12.5, ThA01.2, ThA01.3, ThA01.4, ThA01.6, ThB01.1, ThB01.2, ThB01.3, ThB01.4, ThB01.5, ThB01.6, TuA12.6, TuA25.2, TuB12.3, TuC01.2, TuC01.6, WeA01.2, WeA12.6, WeB01.2, WeB01.3, WeC01.1, WeC01.2, WeC01.3, WeC01.4, WeC01.5, WeC11.2, WeC11.3
Power systems stability;	ThA01.5
Precision farming	TuB24.2, WeC24.1, WeC24.2, WeC24.3, WeC24.5
Predicative Analytics	ThB24.1
Probabilistic robustness	MoB21.4
Procedures for process planning	ThA22.5, WeA22.5
Process control	FrA02.6, MoA05.5, MoB13.1, MoC05.2, ThA05.1, ThA05.2, ThA05.3, ThA05.4, ThA05.5, ThB02.3, ThB02.4, ThB08.4, ThC11.1, TuC11.5, TuC19.6, TuC25.2, TuC25.4, WeA19.3
Process control applications	FrA22.5, MoA10.2, MoA10.3, MoB10.2, MoB10.5, MoB10.6, MoC25.2, ThA10.1, ThA10.2, ThA10.4, ThA10.6, ThC16.6, ThC21.4, TuA10.5, TuB10.2, TuC10.1, TuC10.2, TuC10.3, TuC10.5, TuC10.6, WeA10.2, WeA10.3, WeA10.4, WeA10.5, WeA10.6, WeB10.2, WeB10.5, WeB21.3
Process modeling and identification	FrB01.3, FrB03.2, MoA10.6, MoB10.5, MoB10.6, MoB15.2, MoC25.1, ThA10.5, ThB10.1, ThB10.2, ThB10.3, ThB10.5, ThB10.6, TuA10.5, TuB01.4, TuB10.1, TuB10.2, TuB10.3, TuB10.4, TuB10.5, TuB10.6, WeA10.4, WeB10.3, WeB10.4, WeB10.5
Process observation and parameter estimation	FrA22.3, FrA22.4, WeB12.4
Process optimisation	FrA22.4, ThB22.1, ThB22.5, ThB22.6, ThC22.2, ThC22.5, TuC10.5, WeB10.6, WeC10.3
Process performance monitoring/statistical process control	MoB10.1, MoC25.6, MoC25.7, ThA21.6, ThC21.1, ThC21.2, ThC21.3, ThC21.4, ThC21.5, ThC21.6, WeB04.5, WeB10.1, WeB21.5
Process supervision	MoA22.1, MoA22.5, TuA22.3, WeC22.5

Production & logistics over manufacturing networking	MoA22.2, MoC22.4, TuC22.2
Production activity control	WeC22.3, WeC22.4, WeC22.5
Production planning and control	MoA22.7, MoB22.2, MoB22.5, MoB22.6, ThA22.1, ThA22.2, ThA22.3, ThA22.4, ThA22.5, ThA22.6, ThB16.6, ThC25.6, TuB22.5, WeA22.1, WeA22.2, WeA22.3, WeA22.4, WeA22.5, WeC22.2, WeC22.3
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Protocols and information communication	TuB20.1, WeC16.6

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Quality assurance and maintenance	MoA22.5, MoB22.5, WeC22.5, WeC22.6
Quantification of physiological parameters for diagnosis and treatment assessment	FrA25.2, ThB25.5, TuB07.2, TuB07.3, WeA07.1, WeA07.3, WeA07.5, WeA07.6
Quantized control	MoB02.6, ThC02.4, ThC13.4
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Randomized algorithms	FrA02.3, MoB05.5, MoB21.4, MoB21.6, ThC02.4, WeA21.1
Randomized methods	MoA17.4, ThC03.3, WeB15.5, WeC04.6
Reachability analysis, verification and abstraction of hybrid systems	MoA03.3, MoB14.3, TuA17.3, WeA17.4
Real time control of environmental systems	TuB24.5, TuC24.4, WeB23.4
Real time optimization and control	FrA10.2, FrA10.4, FrA10.6, MoC10.5, MoC25.3, TuA10.3, TuA10.4, WeC10.1, WeC10.2, WeC10.3, WeC10.4, WeC10.5, WeC12.4
Real time simulation and dispatching	FrA01.1, FrA12.2, FrA15.5, MoA01.6, MoC12.4, MoC16.3, ThB01.3, ThC01.6, ThC12.1, TuA01.5, TuB12.5, WeB01.1
Real-time algorithms, scheduling, and programming	FrB21.3, FrB21.4, FrB21.5, MoA20.2, MoA20.4, MoA20.6, MoB20.1, MoB20.3, MoB20.5, MoC20.6, ThB20.6, TuB25.2, WeA20.1, WeA20.2, WeA20.3, WeA20.4, WeA20.5
Real-time control	FrA02.6, FrB13.1, FrB13.2, MoA18.2, MoB11.5, MoC02.1, MoC13.5, ThB21.2, ThC18.5, TuA11.4, TuC25.4, WeC18.4
Realization theory	MoC14.3, ThC15.3
Recursive identification	MoB25.3, MoB25.5, ThA03.1, TuC03.3, WeA03.4, WeC03.2
Regulation (linear case)	MoA11.3, MoB06.3, TuA05.6
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Reinforcement learning control	MoC20.3, ThA20.1, TuC25.12, WeB20.3, WeB20.4, WeB20.5, WeC20.6
Relaxations	TuA02.2, TuB05.4, WeA21.5
Reliable measurement and actuation	TuB25.5, TuB25.6, TuB25.18, WeB06.2, WeB24.1, WeB24.4, WeB24.5, WeB25.10
Remaining lifetime prediction	WeC22.6
Remote and distributed control	ThB20.4, ThB20.5, TuA20.4
Remote sensor data acquisition	FrB21.2, ThB20.3
Remote servicing	ThB20.3, ThB20.5
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Robot ethology	TuC09.5
Robot Navigation, Programming and Vision	FrB18.2
Robotics	MoA01.2
Robotics and mechatronics for agricultural automation	FrA24.2, FrA24.3, FrA24.4, FrA24.6, TuB24.6, WeC24.2
Robotics technology	FrA06.3, FrB06.2, FrB22.3, MoA09.2, MoC06.2, MoC09.3, MoC09.4, MoC09.6, MoP33.1, ThA06.4, ThA09.3, ThA09.4, ThB09.1, ThB09.2, ThB09.3, ThC09.2, TuA09.2, TuA23.1, TuB06.4, TuB25.8, TuB25.11, TuB25.15, WeA09.3, WeC09.3
Robots manipulators	FrA09.5, FrB06.1, FrB09.3, FrB09.4, FrB09.6, MoA09.1, MoA09.2, MoA09.3, MoA09.4, MoA09.5, MoA09.6, MoB24.2, ThA06.5, ThA09.1, ThA09.2, ThA09.3, ThA09.4, ThA09.5, ThA09.6, ThB09.2, ThB09.3, ThB09.4, ThB09.5, ThB09.6, ThC06.3, ThC09.3, ThC09.6, TuA09.3, TuB06.2, TuB06.5, TuB06.6, WeA06.2, WeB09.3, WeB25.9
Robust adaptive control	FrA16.6, FrB16.4, MoB16.4, TuA04.5, TuB16.3, TuB16.6, TuC16.6, WeA16.5
Robust control	FrA02.2, MoA11.5, MoB02.3, MoB13.4, MoC02.2, MoC02.3, ThA05.4, TuA13.3, TuA13.6, TuB02.6, WeB02.4, WeB11.3, WeB11.6, WeB18.5, WeC25.2, WeP11.1
Robust control (linear case)	FrB05.3, MoA21.1, ThA05.3, ThA11.2, ThB08.1, ThB08.2, ThB08.3, ThB08.4, ThB08.5, ThB08.6, TuB13.6, TuC11.3, TuC11.5, WeA11.6, WeA19.4, WeB05.2, WeC05.1
Robust control applications	MoB21.2, ThB08.2, TuA11.1, TuA11.3, TuC11.2, TuC21.2, TuC21.3, WeA21.2, WeC13.6
Robust controller synthesis	FrB13.5, MoA21.1, MoA21.3, MoA21.4, MoA21.5, MoB21.1, MoB21.3, MoC05.6, MoC21.3, TuC21.1, TuC21.2, TuC21.4, TuC21.5, WeA21.2, WeA21.3, WeA21.4, WeB05.5, WeC05.1, WeC05.2, WeC05.3
Robust estimation	FrA11.1, MoA11.1, TuA02.4, WeA21.6
Robust linear matrix inequalities	FrA02.1, FrA08.1, FrA11.5, MoA21.5, TuC25.8, WeA21.3, WeC05.3
Robust neural and fuzzy control	MoC20.5, ThA20.1, TuC25.10, TuC25.11, WeB20.4, WeC20.1, WeC20.5, WeC20.6
Robust time-delay systems	FrA19.5, MoB21.3, ThC05.4, TuC21.6, WeC18.4
Robustness analysis	MoA21.2, MoA21.5, MoB21.5, MoB21.6, MoC21.5, TuB02.3, TuC21.1, TuC21.2, WeA19.4, WeA21.4, WeB05.2, WeC25.2

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Safety	FrA14.2, FrB17.1, FrB17.2, FrB17.3, FrB17.5, ThC23.1, TuP11.1
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Sensing Enterprise	MoC16.4, MoC16.5, WeC16.6
Sensor integration and perception	MoC23.4, ThC23.6, TuA18.6
Sensor networks	FrA04.6, MoA04.2, MoA04.3, MoA04.4, MoB08.1, MoB08.6, MoC15.5, ThA04.2, ThC15.4, TuC15.4, WeA03.2, WeA03.5, WeA04.1, WeA04.3, WeA04.6, WeB04.3, WeB04.5, WeC04.1, WeC04.2, WeC04.4, WeC04.6
Sensors and actuators	ThA08.3, ThA18.4, ThA18.5, ThB18.3, ThB18.6, TuA18.2, TuA18.5, TuA18.6, TuB18.6, TuC18.2
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Simulation	FrB17.1, FrB17.4, MoA25.18, ThA17.2, TuB17.6
Simulation of stochastic systems	ThA15.5, ThB15.4, ThC17.1, TuA15.1, WeA03.1, WeC15.3, WeC15.4, WeC15.6
Sliding mode control	FrA02.4, FrA02.5, FrA18.5, MoB13.1, MoB13.2, MoB13.3, MoB13.4, MoB13.5, MoB13.6, MoC05.6, ThA13.4, TuA02.3, TuC02.1, TuC02.2, TuC02.3, TuC02.4, TuC02.5, TuC02.6, TuC25.8, WeA02.2, WeA02.5, WeA18.5, WeC02.4, WeC13.6
Smart energy grids	WeA20.4
Smart grids	FrA01.1, FrA01.3, FrA12.3, FrA15.1, FrA15.2, FrA15.3, FrA15.4, FrA15.5, FrA15.6, FrB01.5, FrB11.5, FrB15.4, MoA01.1, MoA01.2, MoA01.3, MoA01.5, MoA15.5, MoB01.1, MoB01.2, MoB01.3, MoB01.4, MoB01.5, MoB15.3, MoC01.3, MoC01.4, MoC10.4, MoC12.5, ThA01.2, ThA01.4, ThA12.1, ThA12.3, ThA12.4, ThB01.1, ThB01.3, ThB12.4, ThB12.6, ThC01.1, ThC01.2, ThC01.3, ThC01.4, ThC01.5, ThC01.6, TuA01.2, TuA01.3, TuA01.6, TuA12.2, TuA12.3, TuA12.5, TuA12.6, TuA25.1, TuA25.2, TuA25.5, TuB01.1, TuB01.3, TuB12.2, TuB12.4, TuB12.6, TuC01.1, TuC01.3, TuC01.5, TuC01.6, TuC12.4, WeA01.2, WeA01.3, WeA01.4, WeA01.5, WeA01.6, WeA12.4, WeB01.2, WeB01.4, WeB01.5, WeC01.4, WeC11.3, WeC11.5
Smart Sensors and Actuators	FrA06.6, MoA24.6, MoC24.6, TuB25.3, TuB25.8, TuC06.1, TuC06.6, WeB06.4, WeB06.5, WeB24.6, WeB25.1, WeB25.2, WeC06.2
Smart Structures	FrA06.6, MoC24.2, MoC24.4, TuB25.12, TuC06.2, TuC06.5, TuC06.6, WeB06.5
Social Computing	ThB24.2, ThB24.5
Social Management	ThB24.2
Social Signal Analysis	ThB24.2
Software for system identification	MoA03.6, ThA14.3, ThA14.6, ThC03.4, TuB03.5, WeA03.1
Software sensors in agriculture	TuB24.6
Space exploration and transportation	ThB19.3, ThC19.2, TuB17.6
Stability and stabilization of hybrid systems	FrB03.4, MoA04.6, MoB16.3, MoB16.5, MoB17.1, MoB17.2, MoB17.3, MoB17.4, MoB17.5, MoB17.6, ThC15.5, ThC17.2, ThC17.3, ThC17.4, TuA17.4, WeA17.1, WeA17.2, WeA17.3, WeA17.4, WeA17.5, WeA17.6, WeB04.2, WeB17.1, WeB17.2, WeB17.4
Stability of delay systems	FrA08.5, ThB21.6, TuA13.1, WeA11.4, WeA19.2, WeA19.3
Stability of distributed parameter systems	FrA19.3, MoA19.6, MoA21.3, MoB19.1, MoB19.5, WeA19.1, WeB19.4, WeC02.2, WeC14.1
Stability of hybrid systems	WeB02.1, WeB02.2, WeB02.3
Stability of nonlinear systems	FrA02.2, FrA08.3, FrA13.1, FrA13.4, MoA13.1, MoA13.4, MoA13.6, MoA19.6, MoB11.2, MoC11.2, MoC13.1, MoC13.6, ThA02.3, ThA02.4, ThA02.5, ThA02.6, ThA13.1, ThA13.2, ThA13.5, ThA13.6, ThB02.1, ThB13.6, ThC02.5, ThC13.3, TuA02.1, TuA13.4, TuB02.4, TuC02.4, WeA02.1, WeA02.2, WeA02.3, WeA02.4, WeA02.5, WeA02.6, WeA13.4, WeA19.5, WeB02.1, WeB02.3, WeB02.4, WeB11.4, WeB13.3, WeB13.5, WeC02.1, WeC02.5, WeC25.2
Static optimization problems	FrA18.1, MoA11.1, ThB21.3, ThC02.3
Statistical data analysis	FrA04.6, MoA03.2, MoB25.1, MoC03.5, ThB03.5, ThC14.3, TuA03.2, TuA14.5, WeA15.2, WeB15.1, WeB15.2, WeB15.3, WeB15.4, WeC03.3, WeC03.5, WeC03.6
Statistical methods/signal analysis for FDI	FrA21.2, FrA21.4, FrA21.6, ThA21.1, ThA21.2, ThA21.3, ThA21.4, ThA21.5, ThA21.6, ThC21.2, ThC21.3, ThC21.5, ThC21.6, TuA21.3, TuB21.3, WeA12.4, WeB21.2, WeB21.5, WeC21.3
Stochastic control and game theory	MoA04.1, MoA08.3, MoA08.4, ThA15.1, ThA15.2, ThA15.3, ThA15.4, ThA15.5, ThA15.6, ThC17.5, ThC17.6, TuA15.6, TuB04.5, WeC15.1, WeC15.2, WeC15.3, WeC15.4, WeC15.5, WeC15.6
Stochastic hybrid systems	ThA15.6, ThC17.1, ThC17.2, ThC17.3, ThC17.4, ThC17.5
Stochastic optimal control problems	FrA12.4, MoB21.2, MoC02.4, MoC13.3, ThA24.5, ThB21.1, ThC02.5, ThC18.4, WeB18.5, WeB18.6, WeC05.6, WeC25.3
Stochastic system identification	MoB25.1, MoC14.2, ThA15.5, ThB15.1, ThB15.2, ThB15.3, ThB15.4, ThB15.5, ThB15.6, ThC14.4, ThC14.5, TuA14.4, TuB14.2, TuB14.3, WeB15.4
Structural properties	MoA05.4, MoA11.3, TuB05.3, TuC05.4
Subspace methods	ThB14.1, ThB14.2, ThB14.3, ThB14.4, ThB14.5, ThB14.6, WeA03.2, WeB15.2
Sum-of-squares	MoC13.6, ThA02.1, WeB11.4
Supervision and testing	TuA11.2
Supervisory control and automata	MoC17.1, MoC17.2, MoC17.3, MoC17.4, MoC17.6, TuC25.13, WeB17.2
Sustainability	ThC24.3, TuA22.1
Switching control	FrA04.4, FrB03.4, FrB03.5, MoA16.4, MoB16.2, MoB16.3, MoB16.4, MoB16.5, MoB17.1, MoB17.2, TuA17.1, TuA17.6, TuC16.6
Switching stability and control	FrA11.1, FrA11.2, FrA11.3, FrA11.4, FrA11.5, MoA05.4, MoC13.4, ThA02.5, ThC05.5, TuB02.4, TuB13.2, TuB13.3, TuB13.4, WeA02.4, WeB02.4, WeB02.5, WeB02.6
Synthesis of stochastic systems	ThA15.1, ThC15.3, ThC15.5, ThC15.6, TuB03.3, TuC15.6
System identification and adaptive control of distributed parameter systems	FrA19.2, WeC25.6
System integration and supervision	TuB08.5, WeC17.3, WeC17.5

Systems biology	ThA02.3, ThC13.2, TuC25.7
Systems interoperability	MoC16.1, MoC16.4, TuA16.2, WeC16.1, WeC16.5
Systems Theory	FrA20.1, ThA25.1, ThC24.3
Systems with saturation	FrA08.2, FrA08.3, MoC18.4, ThB13.5, ThB13.6
Systems with time-delays	FrA08.1, FrA08.2, FrA08.3, FrA08.4, FrA08.5, MoC05.2, ThB08.4, ThB11.5, ThB13.1, ThC05.1, ThC05.2, ThC05.3, ThC05.4, ThC05.5, ThC11.6, TuA11.5, TuC21.6, WeA11.4, WeA18.6, WeB11.5, WeB13.6
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Task allocation-sharing and job design	MoA24.3, ThC25.5, TuB09.1
Teaching curricula developments for control and other engineers	FrB20.1, FrB20.2, FrB20.3, FrB20.4, FrB20.6, ThA25.2, ThA25.3, ThA25.6, ThA25.9, ThC20.2, ThC20.4, ThC20.5, WeL09.1
Technology Transfer	FrA20.4, ThB24.6, TuB15.1
Tele-education	ThB20.1, ThB20.5
Tele-robotics	FrB21.2, ThB20.4
Telecommunication-based automation systems	MoB20.2, MoB20.4, ThB20.2, ThB20.6, TuB25.2
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Telerobotics	FrA06.3, FrA09.2, MoA09.5, MoB24.5, ThB09.4, ThC09.4, TuA23.5, WeB09.3, WeB09.6
Test and documentation	FrB01.2, MoA01.3, MoC12.1
Thermal and process control applications of distributed parameter systems	MoA19.4, WeB19.4, WeB19.5
Time series modelling	MoA14.4, MoC14.2, ThA03.1, ThC14.1, ThC14.2, ThC14.3, ThC14.4, ThC14.5, ThC15.3, TuA14.1, WeB15.4
Time-invariant systems	FrA08.4, MoA11.4, MoA17.6, ThC11.6, TuB05.1, TuB05.2, TuB11.1, TuC05.3, WeA05.6, WeA18.2, WeB05.3, WeB05.4, WeC14.3
Time-varying systems	FrA08.2, FrB05.1, FrB05.2, FrB05.3, FrB05.4, FrB05.5, FrB05.6, MoA19.6, TuC25.6, WeA19.1, WeA19.2, WeC25.3
Tracer kinetic modeling using various imaging systems	TuA24.5, TuB07.1
Tracking	MoA05.3, MoA11.2, MoA19.2, MoC13.1, ThA13.6, TuA02.5, TuA11.6, TuB02.2, TuB11.4, TuB13.1, TuC02.2, WeA13.5, WeA13.6, WeB02.6, WeC02.1, WeC02.2, WeC02.3, WeC02.4, WeC02.5, WeC02.6, WeC13.5
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Trajectory and Path Planning	FrB19.3, MoC19.5, MoC23.2, MoC23.6, ThA23.5, ThB23.1, ThB23.2, ThB23.3, ThC23.4, TuB18.2, TuB18.5, WeA25.3, WeA25.8, WeA25.16, WeC23.1
Trajectory Tracking and Path Following	MoA25.6, MoC19.2, ThA11.6, ThA19.4, ThB18.1, ThB19.4, ThB23.4, ThB23.5, TuB08.4, WeC23.5
Transportation logistics	MoA25.14, ThB23.3, TuC17.1, TuC17.6
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UAVs	MoA19.3, MoB18.4, TuA13.1, TuA13.2, TuA13.3, TuA13.4, TuA13.5, TuA13.6, TuC21.1, WeC05.4, WeC05.5
Uncertainty descriptions	MoA18.1, ThB08.1, TuC21.4, WeA21.5
Uncertainty in water resource system control/management	TuC24.3, WeA24.3
University-industry co-operation in control engineering education	FrB20.1
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Unmanned marine vehicles	FrB18.3, FrB18.4, FrB18.5, ThB18.3, TuA18.2, TuB18.4, TuB18.5, TuC18.2, TuC18.5
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Vehicle dynamic systems	FrA14.1, FrA14.3, FrA14.4, FrA14.5, FrA14.6, FrB14.1, FrB14.2, FrB14.3, FrB14.4, FrB14.6, MoC08.3, ThA08.1, ThA08.2, ThA08.3, ThA17.6, ThC23.3, TuB08.4, TuC08.5, WeA25.5, WeA25.7, WeA25.10, WeA25.11, WeC08.3, WeC08.4, WeC08.5, WeC08.6
Vibration and modal analysis	FrB16.1, FrB16.3, ThB14.1, WeC03.1, WeC03.3, WeC03.5
Vibration control	FrB06.4, FrB06.5, MoA06.3, MoA09.4, MoB06.4, MoB24.1, MoB24.6, MoC06.4, MoC09.4, ThA06.6, ThC20.3, TuB25.12, TuC06.1, TuC06.2, TuC06.3, TuC06.4, TuC06.5, TuC06.6, WeA06.1, WeA06.3, WeA06.4, WeA06.5, WeA06.6, WeA14.1, WeA14.2, WeA14.5, WeB06.1, WeB14.1, WeB14.2, WeB14.3, WeB14.6, WeB25.11, WeB25.15, WeC06.1
Virtual and remote labs	ThA25.7, ThA25.8, ThC20.1
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Wastewater treatment processes	TuC24.5, WeB23.1, WeB23.2, WeB23.3, WeB23.5
Water prediction and control	WeA24.1, WeA24.4
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Well-posed distributed parameter systems	MoB19.1, TuC19.5