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ICICELB-1806-003

Paper Detail

Paper

Paper ID ICICELB-1806-003

Paper Title A Novel Prototype of Vehicle Warning System for VANET Safety Application Based on Raspberry Pi

Abstract
In order to cope with challenges in road transport, physical developments or civil improvements could no longer be the only solution. It requires the support of information technology. Information technology allows element in the road transport systems such as road, traffic light, message signs to be intelligent with the support of computer technology (microchip and sensor) to communicate with each other via wireless technology. The aim of our research was to develop vehicle warning system to improve road safety and evaluate its message delivery performance by making a comparison of the result of OLSR and BATMAN-adv routing protocols. This system consists of communication systems between vehicles using wireless IEEE 802.11n integrated with Raspberry Pi and provided the program to send and receive messages. The result obtained in this research is a prototype application vehicle warning system that allows each vehicle within a certain range can exchange information.

Keyword(s) Intellegent Transportation System, Vehicle Warning System, Vehicular Ad Hoc Network

Status AF Proof

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Reference No.: ICICELB-1806-003

Title: A Novel Prototype of Vehicle Warning System for VANET Safety Application Based on Raspberry Pi

Author(s): Muh. Ahyar, Ibrahim Abduh, Dahliah Nur, Hafsa Nirwana and Irfan Syamsuddin

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Many thanks for submitting your manuscript to ICIC-ELB.

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Acceptance Letter: ICICELB-1806-003

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Dear Mr. Muh. Ahyar,

It is my great pleasure to inform you that your contribution to ICIC Express Letters, Part B: Applications,

Reference No.: ICICELB-1806-003

Title: A Novel Prototype of Vehicle Warning System for VANET Safety Application Based on Raspberry Pi

Author(s): Muh. Ahyar, Ibrahim Abduh, Dahlia Nur, Hafsa Nirwana and Irfan Syamsuddin

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Comments:

- 1) Too much background information is given in Introduction while the study aims and method are too simply introduced. It is suggested to combine the first two sections and stress the study contributions and innovation in light of reviewed literature.
- 2) In Section 3, mainly the system hardware is talked about, while the software part of the diagram is not introduced much.
- 3) In Section 5, "General overview of our experimental environment is shown in Figure 4" is stated, but in fact, Figure 4 is a "display of emergency message receiver application".
- 4) More explanation should be added on Equation (1) and Equation (2).
- 5) It is improper that Section 5 appears directly after Section 3. It is suggested to shorten the subsection heading of Section 5.
- 6) It is expected to show the potential future research direction in Conclusions.
- 7) There exist many syntax errors in the manuscript. For example, the statement of "Implementation and testing prototype on a conventional notebook using U2VAS" in Section 2 is only a sentence slice. The first sentence on Page 3 is structurally wrong. In the 5th line of Section 3, "on the street on the road" has unnecessary repetition. It is suggested to refer to a professional for English proofreading.

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Please feel free to contact me if you have any questions about your paper.

Best Regards,
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Title: A Novel Prototype of Vehicle Warning System for VANET Safety Application Based on Raspberry Pi

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Dear Mr. Muh. Ahyar,

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Thank you

Best Regards,
Muh. Ahyar

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Terima kasih

Salam,
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Staf pengajar Jurusan Teknik Elektro Politeknik Negeri Ujung Pandang

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Dear Mr. Muh. Ahyar,

Thank you again for your contribution to ICIC-ELB.

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On behalf of Dr. Yan SHI
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在2018-08-31, Ahyar Hi <ahyar@poliupg.ac.id> 写道:

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