An algorithm to Ensure the Availability of Communication Channel for Event Driven Messages in VANET

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Abstract

Mobile ad hoc network (MANET) is a collection of mobile computers or devices that cooperatively communicate with each other without any pre-established infrastructures such as a centralized access point. There are several issues in VANET. One of them is congestion control. In case of increase in the number of beacon messages broadcasted by many vehicles, the communication channel will easily be congested. So, to overcome this problem we have proposed an algorithm that increases the availability of communication channel for emergency messages over the beacon messages.

References

July 2008.
VANETs with Unreliable Links,” Proc. of 6th International Conference on Mobile Ad-hoc and 
Sensor Systems, Macau, pp. 534-543, 2009
5. Vedha Vinodha.D, Mrs.V.Seethalakshmi“Analusis of safety measures and quality routing 
in vanets” In International Journal of Modern Engineering Research (IJMER) www.ijmer.com 
The 8th European Wireless Conference.
9. Yu-Chih Wei12 and Yi-Ming Chen2 “Efficient Self-Organized Trust Management in 
Location Privacy Enhanced VANETs”
10. YOUSEFI Saleh, FATHY Mahmood, BENSLIMANE Abderrahim“Performance of beacon 
safety message dissemination in Vehicular Ad hoc NETworks (VANETs)” Journal of Zhejiang 
University SCIENCE A 2007 8(12).
Concepts and Framework”, In Proceeding 8th Conference on ITS Telecommunications (ITST), 
Thailand, 2008, pp. 199-203
12. Robert Lasowski and Claudia Linnhoff-Popien, University of Munich “Beaconing as a 
Service: A Novel Service-Oriented Beaconing Strategy for Vehicular Ad Hoc Networks” IEEE 
Communications Magazine October 2012
Congestion Control in Wireless Networks for Vehicular Safety Applications.
for Emergency Messages in VANETs” International Journal of Research and Reviews in Computer 

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