Available Online at <u>www.ijcsmc.com</u>

International Journal of Computer Science and Mobile Computing

A Monthly Journal of Computer Science and Information Technology



ISSN 2320-088X

International Conference on Mobility in Computing- ICMiC13, Organized by Mar Baselios College of Engineering and Technology during December 17-18, 2013 at Trivandrum, Kerala, India, pg.108 – 113

SURVEY ARTICLE

Security Enabled Junction-Based Multipath Source Routing Algorithm for VANETs

Ann Mary Jacob¹, Saritha S²

Dept. of Information Technology Rajagiri School of Engineering & Technology, Kochi, India ¹annmaryjac@yahoo.co.in; ² saritha_s@rajagiritech.ac.in

Junction Based Abstract— Multipath Source Routing Algorithm(JMSR) is a geographic routing protocol, in the sense that it exploits the location of the nodes and also of the street junctions, known via digital street maps. JMSR is characterized as junction-based because it is a geographic or position-based routing protocol, where the junctions' positions are of much higher importance than the positions of the nodes themselves. The disadvantage of JMSR is that it does not specify how routing happens in presence of a malicious node. An improvement of JMSR is proposed through this paper. In this paper a method is discussed to deal with malicious nodes in VANETs.

Keywords— VANETs; Junction-based Routing; Malicious nodes; Security attack; Packet duplication; Ranking.

Full Text: http://www.ijcsmc.com/docs/papers/ICMIC13/ICMIC13S11.pdf