Abstract

VANET is a vehicular ad hoc network. This is a part of mobile ad hoc network. VANETs also called as intelligent transportation system (ITS) in which vehicles communicate to provide timely information. Their aim is to provide security, information and management of network. Instead of their many advantages vehicular network is prone to various attacks. Like prankster attack, denial of service attack, blackhole attack, alteration attack, fabrication attack, man in the middle attack, timing attack, illusion attack etc. In this we will use GPSR protocol to remove the Sybil attack. In GPSR protocol physical measurement of vehicle can be verified at any time and GPS coordinates will be compared. If GPS coordinate matched then there is no attack.

References

Sybil Node Detection and Prevention Approach on Physical Location in VANET


11. Yibo Yang, Hongling Li, Qiong Huang “Mobility management in VANET” 22nd Wireless and Optical Communication Conference (WOCC), 2013, pp. 298 – 303.


Index Terms

Computer Science                Wireless

Keywords
VANET, sybil attack, GPSR, ITS