Enhancement in Location Aided Routing Protocol for VANET using Multicasting Tree Maintenance Technique

Abstract

VANET is most popular network which stands for vehicular ad-hoc network. The researchers make a lot of work in this network. Vehicular Ad hoc Networking is a special case of mobile ad hoc networking which provides communication among the vehicles and between the vehicles and nearby fixed equipments called road side units. In ad-hoc networks, to ensure the delivery of packets from sender to destination, each node must run a routing protocol. In this paper link failure problem has been discussed in AODV protocol. A novel technique based upon
multicasting has been proposed to solve link failure problem.

References

- Ramon S. Schwartz, Anthony E. Ohazulike, Christoph, "On the applicability of fair and adaptive data dissemination in traffic information systems", IEEE Vehicular Networking Conference (VNC), 2011, pp. 116–123
- Xiao Chen and Jie Wu, "Multicasting Techniques in Mobile Ad Hoc Networks", 2003
- Vijay Devarapalli and Deepinder Sidhu, "MZR: A Multicast Protocol for Mobile Ad Hoc Networks",
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