Abstract

Vehicular-Ad hoc Networks have the potential to achieve high levels of safety, efficiency and comfort on road. VANET is a campaign towards Intelligent Transport System (ITS). VANET applications are time critical and the QoS constraints require the designing and evaluation of routing protocols to be done in realistic environment. The main purpose of this paper is to simulate the routing protocols, AODV, OLSR and ZRP and to explore the impact of radio propagation models, Two Ray Ground and Nakagami in terms of QoS parameters. Extensive simulations are carried out using NS-2 and the behaviour of protocols is studied at different speeds under the influence of propagation models.

References

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**Index Terms**

Computer Science

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**Keywords**

Two Ray Ground  Nakagami