A Mobile Ad hoc Network is a type of ad hoc network. It can change its location configuration dynamically. It is an infrastructure-less network. Due to the complex nature of MANETS, their development processes face several challenges. One of such key challenge is routing. Several routing protocols have already been proposed for MANETs. This paper examines the impact of MAC protocols 802.11 and CSMA on the two on demand routing protocols AODV and LAR in MANETs with varying Node density in the network. Number of simulation scenarios was carried out by using Glomosim-2.03. The simulation metrics used are Throughput, Delay and PDR.

Simulation experiments found that both 802.11 and CSMA is suitable for AODV where as only 802.11 is suitable for LAR.
- Presented a paper titled "Comparative study of Reactive Routing protocols for MANETS under different traffic models in the context of Two ray and Free space Propagation Models" by Dr. S. P. Setty and A. Venkataramana; IEEE Sponsored National conference at AU-Visakhapatnam on 17th march-2012.
- Location-Aided Routing (LAR) in Mobile Ad Hoc Networks, Young-Bae Ko and Nitin H. Vaidya Department of Computer Science Texas A&M University.
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- Study of different CSMA/CA IEEE 802.11-based Implementations; Authors: Miquel Oliver, Ana Escudero Mobile Communications Research Group Dept. Mat. Apl. i Telemática Universitat Politècnica de Cataluña (UPC); EUNICE 1999 Contribution.

Index Terms

Computer Science

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Keywords

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