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Abstract Details

Title: Performance Analysis of Reactive Routing Protocols over IEEE 802.11n

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Abstract: Every node in A Mobile Ad hoc Network (MANET) is free to move independently any direction, and will therefore change its links to other devices continuously and unpredictably. Mobile devices can communicate with each other without the use of a predefined infrastructure or centralized administration; Some MANETs are restricted to a local area of wireless devices (such as a group of laptop computers). In this paper, a comprehensive simulation based on three types of reactive routing protocols Ad Hoc On-demand Distance Vector (AODV), Dynamic Source Routing (DSR), Temporally-Ordered Routing Algorithm (TORA) over IEEE 802.11n using OPNET (Riverbed) 17.5 simulation, over and above the performance of these routing protocols will be measured on the metrics such as of delay, throughput, retransmission attempts (packets).

Keywords: AODV, DSR, TORA.