



**RESEARCH ARTICLE**

# **An Overview on Reactive Protocols for Mobile Ad-Hoc Networks**

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***Abstract— A Mobile Ad hoc Network (MANET) is a collection of wireless mobile computers forming a temporary network without any fixed infrastructure. Searching for feasible paths, or routing, is very challenging in mobile ad hoc networks because of frequent topology changes caused by users' mobility, All nodes are equal and there is no centralized control or overview. Many different routing protocols based on different features have been proposed to the IETF. Performances of many of these routing protocols have been evaluated focusing on metrics such as delay, routing overhead, and packet delivery. This is mainly due to the mobility of the nodes. Most existing Proactive routing protocols should maintain a routing information in the network at all times all nodes. It may achieved by table driven routing information distribution and regular distribution of updated routing information. These are well suited for a small-scale with high mobility. Here the problem is high routing overhead in mobile ad hoc networks. We drive this issues, propose the reactive routing protocols. Reactive routing protocols are well suited for a large-scale with moderate or low mobility. This paper provides an overview of reactive protocols (E.g.: AODV, DSR, TORA, LAR).***

***Key Terms: - MANETS; routing protocol; AODV; DSR; TORA; LAR; unicast routing***

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Full Text: <http://www.ijcsmc.com/docs/papers/May2013/V2I52013127.pdf>