



RESEARCH ARTICLE

ENERGY EFFICIENT ROUTING IN MANET WITH ZRP AND ANYCAST

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Abstract— The Adhoc network is a wireless network without a fixed infrastructure, and this usually established on a temporary basis for a particular purpose like emergency rescue or military communication. And energy management in adhoc networks deal with the process of managing energy resources that means the controlling of battery discharge, modifying the transmission power, and scheduling the power sources for the increasing of lifetime of the nodes in an adhoc network. In adhoc network all mobile nodes are powered by energy constraint battery, it could be difficult for a mobile node to sustain for a long time if it send and receive data more often. To solve this problem we describe the energy efficient routing in mobile adhoc network using Zone Routing Protocol (ZRP) and anycast addressing and we also simulate using NS2 simulator. The zone routing protocol behave as hybrid routing, proactive (table driven) and reactive (on demand) methodology to provide scalable routing in the ad-hoc network.

Key Terms: - MANET; ZRP; ANYCAST; HYBRID PROTCOL; ENERGY EFFICIENT

Full Text: <http://www.ijcsmc.com/docs/papers/July2013/V2I7201369.pdf>