Abstract

The energy consumption is an important issue in Mobile Ad hoc Network (MANET) because nodes have limited battery energy. The exiting protocol EDNR and DSR does not consider the power consumption issue. Many proposed routing protocols for mobile ad hoc networks concentrate on issues like the packet delivery ratio, routing overhead and shortest path between source and destination. In fact, power constraints represent an equally important issue in mobile ad hoc networks operations. A power effective source routing protocol reduces the energy consumption of the nodes in a mobile ad hoc network by routing packets on their routes that consumes the minimum energy to reach their destination. The goal of this protocol is to reduce power consumption in transmission and balance power consumption of nodes to increase the life time of the whole network.
References


Index Terms

Computer Science   Emerging Trends in Technology

Keywords

Link Lifetime   Node Lifetime   Route Discovery   Routing Protocols