Abstract

Wireless Sensor Networks have been considered as an incarnation of ad hoc networks for hostile environment. Sensor nodes of WSNs are modeled to have the limited capabilities in
terms of computation, communication, energy, storage, and reliability. Since sensor nodes have limited battery power, it is required to develop energy efficient routing protocols to optimise the performance of the network. In this paper, energy aware ad hoc on demand source routing protocol is developed for wireless sensor networks by appending energy aware algorithm in the ad hoc on demand routing protocol. The performance of the proposed protocol has been evaluated and analysed in terms of delivery ratio and delay.

Reference


Index Terms

Computer Science  Wireless
Key words

WSN   DSN   AODV
RREQ
RREP
EAODV