Abstract

In recent years, the researchers do lot of research on Wireless Sensor Network. But the most research going on the prolongation of the lifetime of the WSN and declined the energy consumed by the sensors. There are lots of protocols which are generated for routing in WSN but these have some limitations. In this article analyzes the cluster head selection phase of LEACH protocol and presents the improved approach of LEACH i.e. CSLQ (Cluster-head based on link quality) that improves the lifetime of the network. In CSLQ the cluster –head is selected on the basis of link quality so that number of packet loss is decreased as compared to the LEACH protocol. In this paper evaluated both modified LEACH [9] and CSLQ through extensive simulations using NS2 (Network Simulator 2) which shows that CBLQ protocol performs better than the LEACH protocol.
Cluster-Head Selection on Link Quality Routing Protocol for Wireless Sensor Network


Index Terms

Computer Science Wireless

Keywords

Wireless Sensor Network CSLQ LEACH Energy efficiency Routing