Abstract

Wireless Sensor Networks are utilized for collecting physical information from a distant place by using sensing devices called sensors. In order to collect information more efficiently, wireless sensor networks (WSNs) are partitioned into clusters. This approach is an effective way to prolong the lifetime of WSNs. While using clustering approach the major concern is the choice of a suitable cluster head sensor node. Many clustering protocols already formed based on
LEACH [15] (Low Energy Adaptive Clustering Hierarchy) which is based on probabilistic modeling. In this paper, we present a survey of various clustering protocols for prolonging the lifetime of WSNs using fuzzy logic approach. The paper concludes with open research issues.

References


Index Terms

Computer Science Wireless Network

Keywords

Cluster Head Leach Fuzzy Logic Wireless Sensor Networks.