Abstract

Wireless sensor network (WSN) is an active research domain as well as innovative concepts are introduced regularly. Due to onetime battery back, the energy efficiency of WSN has become critical issue, because battery recharge or replacement is not possible after deployment of the network and they work until battery dead. Many recent applications of Internet of things (IoT) are extensively applying sensor based applications. In this paper, an innovative concept of energy level calculation of sensor node is introduced for cluster head selection to improve network lifetime. In this paper, MELBER a (multi-clustered energy level based efficient routing) protocol is proposed for WSN. The simulation result presents significant improvement of energy efficiency of WSN.

References


Index Terms

Computer Science          Wireless
Keywords

WSN, Clustering, CH, Network Lifetime, LEACH, MELBER