Abstract

In last decade the utilization of wireless sensor network in various fields is growing enormously. These WSNs applications are used where human access and monitoring cannot easily handled. Due to this sensor nodes are deployed randomly in unattended area, where these nodes form a network in an adhoc manner. In addition, battery of deployed sensors cannot be charged, so it is desirable that network should be energy efficient. By considering above mentioned issue, many energy efficient routing protocols have been proposed. This paper presents an overview of routing protocols those are based on clustering technique. These protocols are used to increase network lifetime.

References

20. Hamid Rafiei Karkvandi, Efraim Pecht, Orly Yadid-pecht: Effective Lifetime-Aware

**Index Terms**

Computer Science  
Wireless
Keywords

Wireless Sensor Network, Hierarchical clustering, Sensors, Cluster Heads (CH), Base Stations (BS), Energy, Network lifetime