Abstract

Wireless Sensor Network (WSN) is infrastructure less. Sensors usually rely on their battery for power, which cannot be recharge or replaced. So in this paper, comparisons of energy performance on different position of base station are analyzed and also analyzed LEACH and its up gradation. Cluster-based routing mechanism use message success rate to guarantee reliability for network. In this mechanism cluster head selection algorithm based on node connectivity and splitting and merging of cluster are performed. A clustering routing algorithm based on gateway in wireless sensor network. The gateway nodes elected ensure the network connectivity using multi-hop for communication between CHs and sink.

References

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**Index Terms**

Computer Science

Wireless

**Keywords**

Routing clustering Energy efficiency Energy level Cluster head CH network lifetime