Abstract

The use of wireless sensor networks has grown tremendously in the last decade, wireless sensor networks are used in wide variety of applications. Nodes in WSN have limited battery lifetime that affects the performance of the network. Scalability is also a major concern. The use of clustering in WSN provides a solution to this. Many improvements have been made in the basic clustering protocols. In this paper, we will review the most recent proposals and implementations of the clustering algorithms used in WSN. We will also try to figure out pros and cons of their working. In the last we will compare the performances of various algorithms.

References

- S. Banerjee, S. Khuller, A clustering scheme for hierarchical control in multi-hop
wireless networks, in: Proceedings of 20th Joint Conference of the IEEE Computer and Communications Societies (INFOCOM '01), Anchorage, AK, April 2001
- S. Bandyopadhyay, E. Coyle, An energy efficient hierarchical clustering algorithm for wireless sensor networks, in: Proceedings of the 22nd Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM 2003), San Francisco, California, April 2003

Index Terms

Computer Science
Wireless Networks
Keywords
- Wireless sensor networks
- clustering methods
- cluster head
- base station
- energy balancing