Abstract

In this paper, we describe the approaches for routing in Wireless Sensor Networks. Their characteristics are discussed. An efficient routing approach is then proposed using genetic algorithm which is based on energy equations and use of advanced nodes having high energy than normal nodes. This intelligent cluster routing is then compared with SEP routing.

References

- M. Palit and R. C. Biradar "A Survey on Routing Protocols in WSN"; Networks (ICON), 18th IEEE International Conference on Dec. 2012,


- M M Islaml, M A Matin2, T K Mondol I "Extended Stable Election Protocol (SEP) for Threelevel Hierarchical Clustered Heterogeneous WSN"; (IEEE), vol: 5, pp. 1-4, June 2012.
- Fuzhe Zhao, You Xu, Ru Li, "Improved Leach Communication Protocol for WSN"; International Conference on Control Engineering and Communication Technology, pp:-700-702, 2012.

- C. Huitema, Routing in the Internet, Prentice Hall, 1996.

- https://smartech.gatech.edu/bitstream/handle/1853/16157/zhu_yujie_200708_phd.pdf;jsessionid=6D4176A0F7B1E64E8F352754F9C276F9. smart1?sequence=1

Index Terms

Computer Science Wireless
Keywords
Intelligent Cluster Routing  Energy efficient approach for WSN