Abstract

Recent developments in the sensor networks have made the researchers to find the energy efficient routing protocols. Sensor nodes are normally energy constrained and cannot be replaced in most cases. The need for energy efficiency in wireless sensor network is increasing considerably. This article proposed a new model to reduce the energy consumption by the sensor nodes. Our proposed model Energy Efficient Dynamic Clustering Protocol (EEDCP) distributes the energy consumption evenly among all sensor nodes to increase the life-time of the network. The simulation results show that the EEDCP outperforms its counterparts.

References

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Index Terms
- Computer Science
- Wireless

Keywords
- Energy-efficiency
- CELRP
- LEACH
- EEDCP
- Residual Energy
- Wireless Sensor network