Abstract

This paper presents a new approach to energy efficient routing in wireless sensor network.
Here multiple routing paths are created based on the energy status of the nodes and they are used one after the other resulting in utilizing the energy equally from all the nodes in the network. The periodic update messages are minimized by using back up node and having every node broadcast its energy status to its neighbors prior to its death i. e. when energy of a node goes below minimum threshold.

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Novel and Energy Efficient Routing in Wireless Sensor Networks

Index Terms

Computer Science

Wireless

Keywords

Clustering  Backup Node  Cluster Member  Intra Cluster Routing  Inter Cluster Routing  Energy Status Table

Base Station