Abstract

In the past years, Wireless Sensor Networks (WSNs) have gained increasing attention from both the users and researchers. It is used in various fields which include environmental, healthcare, military and other commercial applications. Sensor nodes are battery powered so energy constraints on nodes are very strict. When battery gets discharged, sensor node will get disconnected from remaining network. This results in link failure and data loss. In some applications battery replacement is also not possible. Hence energy efficient techniques should be designed which will enhance lifetime of network and accurate data transfer. In this paper, different sources of energy dissipation are listed followed by energy efficient techniques to enhance lifetime of the network.

References


Index Terms

Computer Science

Wireless

Keywords

Wireless sensor networks  energy efficient techniques  lifetime of network