Abstract

Wireless sensor networks have a wide range of practical and useful applications. Since a wireless sensor network is driven by batteries, energy consumption is a critical factor to determine the life of the network. The energy of the nodes are dispensed mainly through sensing, processing and communication. Energy efficiency is an area that has attracted much research in the field of wireless sensor networks. In view of prolonging the network lifetime, various hierarchical clustering algorithms have been proposed in literature. In this paper, an analysis of the timeline improvement of hierarchical cluster based protocols for wireless sensor networks is presented.

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Index Terms

Computer Science Algorithms

Keywords

Wireless sensor networks, network lifetime, hierarchical cluster based protocols