Abstract

Sensor Network are emerging as a new tool for important application in diverse fields like military surveillance, habitat monitoring, weather, home electrical appliances and others. Technically, sensor network nodes are limited in respect to energy supply, computational capacity and communication bandwidth. In order to prolong the lifetime of the sensor nodes, designing efficient routing protocol is very critical. In this paper, how information can effectively
disseminate to the destination is one of the most important tasks in sensor networks. Problem arises when intermediate nodes fail to forward incoming packets. Due to limited power and slow processor in each node, algorithms of sensor networks must be designed carefully. Directed Diffusion (DD) is a typical data-centric algorithm which has been used to provide efficient data transmission. The paper focuses in the performance analysis of specific protocol namely Directed Diffusion and SPIN. This analysis reveals that the energy usage is important features which need to be taken into consideration while designing routing protocol for wireless sensor network.

References
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Index Terms
Computer Science Emerging Trends in Technology

Keywords
Data Centric Approach WSN Routing Protocol. Distribute sensing Direct Diffusion
Nodes Credit based Direct Diffusion for wireless sensor networks

Method & Critical Path Method