A Clustered based Approach for Energy Efficient Routing in WSNs

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Abstract

Wireless sensor Networks (WSNs) contains a large amount of tiny and low value sensor nodes powered by tiny non reversible batteries and furnish with numerous sensing devices. The cluster-base technique is one among the nice perspectives to reduce energy consumption in WSNs. The lifespan of WSNs is maximized by using the uniform cluster location and leveling the network loading between the clusters. They’ve reviewed numerous energy efficient schemes apply in WSNs of which tend to combined on cluster approach. During this paper this tends to perform intensive simulations of the projected protocol and compare the simulation results with that of the present protocol. The results demonstrate that the projected protocol outperform the existing protocol in terms of various performance metrics together with remaining energy, percentage of alive nodes, percentage of dead nodes and throughput.

References


Index Terms

Computer Science

Wireless

Keywords
WSNs, Clustering, LEACH, Network Lifetime, Throughput, Energy, Dead nodes