Abstract

The most important criterion for achieving the maximum performance in wireless sensor and ad-hoc networks is to clustering the nodes. Many clustering schemes have been proposed for different ad-hoc networks. In sensor networks the energy stored in the network nodes is limited and usually infeasible to recharge. The clustering schemes for these networks therefore aim at maximizing the energy efficiency. In mobile ad hoc networks the moment of the network nodes may quickly change the topology resulting in the increase of the overhead message in topology maintenance, the clustering schemes for mobile ad hoc networks therefore aim at handling topology maintenance, managing node movement or reducing overhead. In this paper we proposed an algorithm which gives connected dominating set of a tree.

References

Clustering Wireless Sensor and Wireless Ad Hoc Networks using Dominating Tree Concepts


Index Terms

Computer Science

Artificial Intelligence

Keywords

Wireless sensor networks ad-hoc networks connected dominating set connected dominating tree