

عنوان مقاله:

Neighbor Based Topology Control Protocol for Prolonging the Lifetime of Ad Hoc Networks

محل انتشار:

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Topology control, wherein nodes adjust their transmission ranges to conserve energy is an important feature in wireless ad hoc networks. In this paper we propose a power control protocol based on neighbor detection for conserving energy in the network. Our approach based on the principle of comparison the number of physical neighbors of every node with a desired number of nodes. With bounding the transmission ranges, some benefit in the network have been achieved. We verify through the simulation that the network topologies produced by our protocol .show good performance in term of energy consumption and network lifetime

کلمات کلیدی:

Ad Hoc Networks, Energy Consumption, Neighbor Detection, Topology Control

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