عنوان مقاله:

Energy Levels and Optimal Consumption in Heterogeneous Sensor Networks

نویسنده:

neda ghasemi

خلاصه مقاله:

In recent years, there has been a growing interest in wireless sensor networks. One of the major issues in wireless sensor network is developing an energy-efficient clustering protocol. The hot point in these algorithms is the cluster head selection. In this paper, we study the impact of heterogeneity of nodes in terms of their energy in wireless sensor networks that are hierarchically clustered. Adapting this approach, we introduce energy efficient to cope with energy heterogeneity among sensor nodes; a modified clustering algorithm is proposed with a three-tier sensor node (SEP-E) setting. Finally, the simulation results for MATLAB demonstrate that our proposed heterogeneous clustering approach is more effective in prolonging the network lifetime compared with LEACH.

کلمات کلیدی:

en

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/1729132