Abstract

This paper presents the realistic approach towards the quantitative analysis and simulation of Energy Efficient Hierarchical Cluster (EEHC)-based routing for wireless sensor networks. Here the efforts have been done to combine analytical hardware model with the modified EEHC-based routing model and to investigate the operating frequency reliance on various performance metrics. It has been indicated that there is significant enhancement in the number of cluster requirement as there is increase in frequency and head set size.

Reference

- T. Moscibroda, R. Wattenhofer, Maximizing the lifetime of dominating sets, in: 19th International Parallel and Distributed Processing Symposium, 2005.

**Index Terms**

Computer Science  
Networks

**Key words**

EEHC  
LEACH

Wireless Sensor Networks

Energy Consumption