Abstract

Wireless sensor network (WSNs) are promising while important as well as common strategies to furnishing pervasive computing surroundings for several applications. Unbalanced use of power is surely an normal problem in WSNs, described as multi-hop routing as well as many-to-one visitors pattern. This irregular power dissipation might significantly minimize the system lifetime. So in the effort to enhance the network life-time along with minimizing energy dissipation various energy-efficient routing protocols are designed for the actual sensor networks. Hierarchical routing follows the clustering mechanism which is considered to be efficient in terms of energy and scalability. In this paper, a comparison of different parameters used in Differential evolution based inter-cluster data aggregation for mobile sink based heuristic algorithm for clustering hierarchy protocol are considered and the techniques used i.e. HEED, DWEHC, LEACH.


**Index Terms**

Computer Science  
Algorithms

**Keywords**

Differential evolution, Energy Efficiency