Abstract

Clustering is an important concept to reduce the energy consumption and prolonging the life of a wireless sensor network. In heterogeneous wireless sensor network some of the nodes are equipped with more energy than the other nodes. Many routing algorithms are proposed for heterogeneous wireless sensor network. Stable Election Protocol (SEP) is one of the important protocol in this category. In this research paper a novel energy efficient distance based cluster protocol (DBCP) is proposed for single hop heterogeneous wireless sensor network to increase the life and energy efficiency of a sensor network. DBCP use the average distance of the sensor from the base station as the major issue for the selection of a cluster head in the sensor network.

References

Distance based (DBCP) Cluster Protocol for Heterogeneous Wireless Sensor Network

2002

Index Terms

Computer Science

Wireless
Distance based (DBCP) Cluster Protocol for Heterogeneous Wireless Sensor Network

Keywords
Energy Efficiency  Wireless Sensor Network  Cluster  Heterogeneous  Cluster Head
Distance Based