Abstract

Recent advances in Wireless technology ensemble a balanced flow of data load between the sensor nodes and thereby attempt to distribute the energy dissipated throughout the Wireless Sensor Network (WSN). The philosophy orients to create a multipath routing scheme and usher in a new era of undeterred communication between users. It foresees to annihilate the inherent limited energy resource crunch through a prudent operation of the self organized network and ensure an effective data transfer mechanism. The paper strives to develop a cluster based routing strategy with a view to effectively handle the traffic among the chosen paths and thereby endure to reduce congestion. The algorithm evaluated through NS-2 simulation focuses to highlight its ability to accomplish energy efficiency and thereby increase the life time of the network.

References

- Cerpa, J. Elson, D. Estrin, L. Girod, M. Hamilton, and J. Zhao, "Habitat


- Xiaoyan Hong, Mario Gerla and Hanbiao Wang, Loren Clare, "Load Balanced, Energy-Aware Communications for Mars Sensor Networks," IEEEAC, 2002


**Index Terms**

- Computer Science
- Wireless Sensor Networks

**Keywords**

- Wireless Sensor Network
- Congestion
- Caodv
- Load Balancing
- Network Life Time