Energy Efficient Congestion Retrieval Strategy for Wireless Sensor Networks

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

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