Localization based Ms-Mac Protocol to Enhance the Energy Efficiency in Sensor Networks

Abstract

Wireless sensor networks (WSNs) are one of the most interesting research areas and have become very popular technology. Each and every node in the wireless sensor networks can be stationary or mobility depending on the application requirement. Optimizing energy in mobile sensor network is a current challenge in recent research. It mainly focuses to minimize the energy consumption, to reduce the delay and to improve the throughput while the sensor nodes are in movement. This paper proposes a new adaptive Localization Mobility-aware MAC protocol for Sensor networks (LMS-MAC) based on localization algorithm. The adaptation algorithms are used to localize mobile nodes and predict the quality of link it established at the link layer and reduces some level of energy consumption while the sensor nodes are in movement.

References

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Index Terms

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