Hybrid Data Filtering Approach for Mobile Wireless Sensor Networks

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Abstract

This paper presents a hybrid data filtering approach for mobile wireless sensor networks. This hybrid approach ensures filtering of data before it is being sent to sink node from the sensor network. Further, this approach reduces amount of noisy data being transferred, thereby increasing network lifetime and reducing rate of packet transmission in the network. However, slight increase in packet transmission time has been observed which is acceptable considering the improvement in quality of data being received. Present approach has been implemented, however its comparison with other existing approaches is still left as future work.

References


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Index Terms

Computer Science

Wireless

Keywords

Data Filtering, Hybrid Filtering, Energy efficiency, Periodic Filtering, noisy data.