Abstract

Wireless sensor network is an emerging area of research due to vulnerability of sensing information from not approachable areas. In WSN sensor nodes have been deployed for sensing information and transmit this information to base station so that various decisions can be developed. In the processing of WSN data aggregation and energy consumption are major issues. In this paper a new approach has been purposed for data management and energy consumption reduction using dynamic clustering and avoidance of redundant information transmission over the network. This approach use checksum approach for data redundancy checking and discard redundant or repeated information. This approach provides better results than previous approaches.

References

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Data Aggregation and Life Time Improvement in wireless Sensor Networks using Dynamic Clustering

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Index Terms

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Keywords

Energy optimization, WSN, data sensing, clusters.