Abstract

Wireless Sensor Networks (WSN) consist of nodes with limited power deployed in the area of interest. Nodes cooperate to collect, transmit and forward data to a base station. The major challenges of WSN are restricted energy supply, informatics addressing method is not possible and has lesser information measure and memory capability. In present work attempt has been made to reduce overall energy consumption of the network also reducing the bandwidth and memory requirements by using an optimization algorithm i.e. Gravitational Search Algorithm (GSA). Results will be compared with another optimization algorithm i.e. Genetic Algorithm.

References

2. A.S. Uma maheswari, Mrs. S. Pushpalatha,” Cluster Head Selection Based On Genetic Algorithm Using AHYMN Approaches in WSN”, International Journal of Innovative Research in
Cluster Head Optimization based on Gravitational Search Algorithm

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