Abstract

In this paper, an Ant colony optimization based energy efficient routing algorithm has been proposed. Principle improvement has been done for energy efficient routing algorithm. Additionally the use of the compressive sensing also increases the performance further. The compressive sensing uses data fusion to remove redundant data from sensor nodes. So it improves the results further. In the end to evaluate the effectiveness of the proposed technique further the effect of the scalability of number of nodes has also been considered.

References

Mobile Sink and Ant Colony Optimization based Energy Efficient Routing Algorithm


Index Terms
Keywords

WSN-wireless sensor network  ACO-ant colony optimization  ERA-energy aware routing algorithm.