Abstract Details

Title: Energy Efficient Routing in Wireless Sensor Network Based on Fuzzy Ant Colony Optimization

Authors: Neelam Goswami and Rupali Malhotra

Abstract: This paper designs a routing based on the fuzzy & ACO. The designed technique hybrid the fuzzy and the ACO. The FANT finds the all possible path from the source to the destination. Then the required path is selected by using the fuzzy i.e. BANT follow the path selected by the fuzzy. The fuzzy inference engine takes the decision by using 5 parameters. the whole process is simulated using the MATLAB and the result shows the reduced energy consumption and the enhanced throughput.

Keywords: ACO, Energy Efficient ACO, Energy Efficient routing, Fuzzy.