

Analysis and Comparison of EEEMR Protocol with the Flat Routing Protocols of Wireless Sensor Networks

Wireless Sensor Communication Networks have more concern on its routing techniques. Since the WSCNs nodes are battery powered, routing algorithms should assure the concept of energy saving without affecting the other performance metric like Throughput, Delay and Packet delivery ratio etc. The modified AOMDV called as Enhanced Energy Efficient Multipath Routing Protocol (EEEMRP) is a proposed algorithm with the concept of crossbreed the AOMDV routing with the Cuckoo Search algorithm. In this paper, we compare the QoS parameters such as Throughput, Average Delay and Packet Delivery ratio with Traditional Flat Routing Protocols such as DSR, DSDV and with AODV. Simulation is performed using NS2 and the results show that the proposed EEEMRP routing protocol is better than DSR, DSDV and AODV.