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Authors:

Rajinder Kaur, Amit Grover

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Abstract

Real implementation of routing protocol of WSNs is a time consuming process and expensive due to simulation evaluation. This paper presents an organized performance study of three routing protocols, Ad hoc On Demand Distance Vector (AODV), Dynamic Source Routing (DSR), and Optimized Link State Routing (OLSR) protocols for WSNs. The performance study of WSNs routing protocols is analysed by equating important metrics like end-to-end delay, throughput, total packets dropped, in the network under the similar random waypoint mobility model. Result shows that both AODV and DSR protocols have better performance than OLSR routing protocol.

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Index Terms

Computer Science

Wireless

Keywords

WSN, AODV, DSR, OLSR.