Abstract

Today wireless sensor networks (WSNs) have gained great popularity and are widely used in variety of areas due to their unique features. WSNs are deployed in an ad-hoc manner and consist of a large number of tiny sensor nodes. The sensor nodes communicate with each other through the routes established by the routing algorithms. Routing is considered as a challenging task in WSNs because it can highly affect the overall performance of these networks. This paper focuses on performance evaluation of two popular routing algorithms: Ad-Hoc on Demand Distance Vector (AODV) and Dynamic Source Routing (DSR). Simulations are performed using NS2 to evaluate and compare the efficiency of these routing algorithms under different network conditions.

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Index Terms

Computer Science Wireless
Keywords

Scalability, Routing efficiency, Nodes density