Neighbor Discovery based on Adaptive Hello Messaging Scheme On-Demand MANET Routing Protocols

Foundation of Computer Science (FCS), NY, USA

Volume 138

Number 6

Year of Publication: 2016

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10.5120/ijca2016908871

Abstract

Mobile ad-hoc network is an infrastructure less wireless ad-hoc network in which mobile nodes communicate with each other through wireless links without the need of any centralized administration. Overhead goes high due to neighbor discovery messages in the MANET routing protocols, such as in AODV, DYMO. This paper implements both the protocols adaptive and then for optimization PSO is applied. Simulation results show that the proposed scheme reduces energy consumption and suppressing unnecessary hello messaging.

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Index Terms

Computer Science  Networks

Keywords