Abstract

In this article, we propose a simple as well as efficient method of tracking nodes (EMTN) in mobile ad hoc networks. During the process of route discovery, source node of a communication session floods ROUTE_REQUEST packets to find a suitable route to the desired destination. EMTN aims at reducing the number of ROUTE_REQUESTS at each hop. This generates great performance enhancement especially in dense networks. Simulation results show that EMTN significantly increases the packet delivery ratio while decreasing the cost of messages and consumption of energy of network nodes at the cost of a bit extra bandwidth.

Reference
- www.isi.edu/nsnam/ns

Index Terms

Computer Science Wireless

Key words

Cache Directional Antenna Flooding

HELLO

ROUTE_REQUEST