Abstract

Energy efficient topology in Ad-hoc networks can be achieved mainly in two different ways. In the first method, network maintains a small number of nodes to form a connected backbone and the remaining nodes sleep to conserve energy. This method is effective for low traffic networks. Energy efficiency in the second method is achieved by power control technique. This technique is effective in high traffic conditions. The first method is not effective in high traffic conditions. Similarly, the second method is not effective in low traffic networks. So, Existing author’s introduce a Demand Based Energy efficient Topology (DBET) to reduce the energy consumption for mobile ad hoc network, by dynamically adjusting the topology for various network traffic conditions. In this paper, Author propose efficient power saving mac protocol (P-MANET) based on a Multi-hop Time Synchronization Protocol to reduce the power consumption, transmission latency.

References

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**Index Terms**

Computer Science  
Mobile Networks

**Keywords**  
Efficient power saving protocol  
manet  
ns2 simulator