Abstract

The Relay Nodes has become an important radio resource in next-generation wireless communication systems. The optimal number of RNs is one of the crucial issues in configuring a cost-effective RN-based network architecture. In this work, we present a modified relay based MAC protocol to describe the impact of the number of RNs on the Throughput, end-to-end delay, PDR, Overhead of MAC Protocol based on a two-hop relay network. In addition to the addition of relay paths, the performance of the protocol has been evaluated through simulations. The simulation results show the validity of the proposed MAC protocol.

References

Modified Relay based MAC Protocol for Wireless Ad-hoc Network

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**Index Terms**

Computer Science  
Wireless
Keywords
Relay  MAC  Ah-hoc Network  Reliability  Efficiency.