Abstract

Multihop cellular Networks has the problem of channel assignment when connections are established between the adjacent cells and due to more number of nodes in the path between the sender and the receiver relay delay occurs and cause unwanted delay in the overall end to end communication. To overcome the problems associated with the relay delay and the overall performance in the Multihop Cellular Networks a new protocol is introduced which combines the merits of both the modified Minimum Slot Waiting First Algorithm and the modified Distance Vector Routing. Through the proposed new protocol, we can provide solution for the problem of routing and relay delay in Multihop Cellular Networks and the performance of the packet transmission can be improved.

References

Multihop Cellular Networks: Dynamic Channel Assignment and Routing Protocol for Improving Performance


Index Terms

Computer Science

Wireless

Keywords

Cellular network  MSWF  CSMA  OCA  CARD  channel assignment