Reduction in radio interference & improvement in communication throughput we can achieve by the use of directional antennas in wireless Adhoc network. Deafness & new hidden terminal problem causes a degradation in performance, which is introduced by directional antennas in wireless media access control. To solve these problems we can propose some protocols like circular RTR directional mac protocol to solve the above problems. We can evaluate the results of these protocols by simulation.

References

- LU Huang1, LI Jie1*, DONG Zhongping2, JI Yusheng3. Design and Evaluation of CRDMAC: Circular RTR Directional MAC Protocol for WANETs.
- Er. Lipsa Walia ,Er. Pradeep Kumar Gaur, Dr. (Mrs.) Anupma Marwaha. RADNET
Protocol enhancement by implementing RED routing algorithm using NS2 for Wireless Adhoc Networks

Evaluating the Performance of a MAC Protocol in WANET's using Directional Antennas: A Survey

14(2): 216-239.


**Index Terms**

Computer Science

Networks

**Keywords**
Directional antenna  MAC protocol deafness  new hidden terminal  WANETs