Abstract

Wireless networking has become an important area of research in academic and industry. Worldwide Interoperability for Microwave Access (WiMAX) is one of the most efficient and well known area based networking system that provide fixed, and more newly, mobile broadband connectivity between fixed and mobile network access in a define coverage areas. It provides the same subscriber experience for fixed and mobile user. The main aspect of Wi-MAX is large coverage areas with high data rate than other wireless networks. This network is easily deployable and guaranteed Quality of service. In this paper, we have investigated different routing protocols and evaluated their performances on 802. 16 WiMAX networks and provided performance comparison of routing protocols such as AODV, OLSR, ZRP and RIP based on the parameters including average throughput, average jitter and average End-to-End delay by using...
Qualnet 6.1 simulators. We also tried to improve the performance of WiMAX by analysing the network with and without mobility.

References

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Index Terms

Computer Science

Wireless
Keywords
WiMAX 802.16  AODV  OLSR  ZRP  RIP  Qualnet 6.1