Abstract

Wireless mesh networks are the next step in the evolution of wireless architecture, delivering services for a large variety of applications in personal, local, campus, and metropolitan areas. Supporting multimedia services in wireless mesh networks is receiving more attention from the research community. While wired networks have mature infrastructure and protocols providing QoS for multimedia, supporting multimedia in multihop Wireless mesh Networks faces greater technical challenges. The unreliable nature and shared media of multi hop communications make the deployment of multimedia applications in wireless mesh networks a difficult task. In this paper, discussion and implementation of routing protocols in Wireless Mesh Network using Video and Voice streaming which enhances the reliability in the network. Routing protocols such as AODV, OLSR and DSR have been implemented using OPNET simulator.

References
Reactive and Proactive Routing Protocols for Wireless Mesh Network using Multimedia Streaming

- Lars Michael Kristensen, "An Introduction to Ad Hoc Networking", Department of Computer Science University of Aarhus.
- Sunil Kumar, Jyotsna Sengupta, "AODV and OLSR Routing protocols for Wireless Mesh Network an Ad-hoc Networks", IEEE ICCCT Sept, 2010 at MNNIT Allahabad.

Index Terms

- Computer Science
- Emerging Trends in Technology

Keywords

- Mesh
- Aodv
- Olsr
- Dsr
- Routing