Multimedia Networking Track

Multimedia networking has been a broad topic by itself. Research advances in networking technologies, especially emerging wireless networks (e.g., WiMax and wireless mesh networks), have continued to emphasize the demand for sufficient support of multimedia applications such as voice and video to maximize user experiences. Investigation of the characteristics of these specific networks as well as heterogeneous wired/wireless networks is critical to the success of quality of services of multimedia data.

Meanwhile, QoS routing remains an active field. Research efforts in this direction usually take a cross-layer approach to integrate network layer and lower layer information and form certain route metrics to maximize either per flow throughput or total network bandwidth. With QoS routing, multimedia applications can be supported in a better manner.

Finally, many new applications and architectures have emerged in recent years. On the one hand, applications such as virtual reality, gaming, and telemedicine require huge size 3D geometry data being sent over the Internet in a real-time fashion. On the other, peer to peer multimedia systems have been very successful in facilitating media sharing and streaming over Internet. Investigation of new media characteristics and architectures are necessary to ensure better media streaming quality and efficiency.

The symposium focuses on recent advances in the general topic of multimedia networking. We solicit original and unpublished research achievements in various aspects, including, but not limit to, the following topics:

- Voice over IP
- Video streaming in wired networks
- Wireless multimedia
- 3D streaming
- Quality of service

- QoS routing and QoS scheduling
- Peer to peer multimedia systems
- Multimedia networking architectures
- Multimedia networking applications
- Media multicasting

Submission of Manuscripts: Please follow the general submission instructions on the conference website.

Important dates:	Paper submission:	**March 9, 2008 (FIRM)**
	Notification of acceptance:	May 12, 2008
	Camera ready papers due:	June 1, 2008

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