



CALL FOR PAPERS
SECOND INTERNATIONAL SYMPOSIUM ON MULTIMEDIA OVER WIRELESS

<http://www.ece.northwestern.edu/~haohong/ismw06/index.html>
Sheraton Wall Centre, Vancouver, Canada
July 3-6, 2006

Technical Sponsored by: IEEE Multimedia Communications Technical Committee
IEEE Visual Signal Processing and Communications Technical Committee

The rapid growth in interactive multimedia applications, such as video telephonies, video games and TV broadcasting has resulted in spectacular strides in the progress of wireless communication systems. The current third generation (3G) wireless systems and the next generation (4G) wireless systems in planning support higher bit rates. However, the high error rates and stringent delay constraints in wireless systems are still significant obstacles for these applications and services. On the other hand, the development of more advanced wireless systems provides opportunities for proposing novel wireless multimedia protocols and new applications and services that can take the maximum advantage of the systems.

The symposium aims to provide an excellent forum for all experts working in these areas to join together and to discuss various important issues on multimedia over wireless. The timing of this symposium is set such that the ideas that come out of it can affect the evolution of 4G. The papers submitted to this symposium should focus on the state-of-the-art research in various important areas related to emerging technologies and standards on the coding and transmission of multimedia information over wireless networks. We solicit papers covering a variety of topics that include, but not limited to the following subjects:

- Advanced multimedia coding algorithms
- Error resilient and error concealment
- Video quality assessment
- Rate control for wireless video
- Scalable and multiple description multimedia coding and transmission
- Joint source-channel coding
- Efficient transport protocols for wireless
- Optimal resource allocation for energy-efficient wireless multimedia
- Cross-layer multimedia communication system design and optimization
- Proxy-based systems for video transcoding and content distribution
- Lightweight video encoding methods based on distributed source coding
- Quality of Service issues
- Multimedia processing for wireless sensor networks
- Wireless multimedia traffic modeling

Only original and unpublished paper will be considered. Prospective authors are invited to submit papers of no more than six (6) pages in double-column IEEE format including results, figures and references at <http://edas.info/index.cgi> (In EDAS, select "IWC MC 2006" menu, then select "Submit paper" menu for ISMW06) before **January 15, 2006**.

Important dates:	Manuscript Submission:	January 15, 2006
	Acceptance Notification:	April 15, 2006
	Camera-Ready Papers Due:	May 30, 2006
	Conference Date:	July 3, 2006

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