

IEEE Signal Processing Society

# 2009 IEEE International Workshop on Multimedia Signal Processing

October 5-7, 2009

Rio de Janeiro, Brazil

In addition to general topics in Multimedia Signal Processing, MMSp-09 will focus on  
**MULTIMEDIA FOR IMMERSIVE TELECOMMUNICATION AND HUMAN COLLABORATION.**

## General Chairs

Ricardo de Queiroz, Universidade de Brasília, Brazil  
Dinei Florêncio, Microsoft Research, USA

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## Local Arrangements Chairs

Lisandro Lovisolo, Univ. do Estado do Rio de Janeiro, Brazil

## Asia Liaison

Oscar Au, Univ. of Science and Tech., Hong Kong

## Europe Liaison

Pascal Frossard, EPFL, Switzerland

Papers are solicited on the following topics (but not limited to):

- **Systems and applications**
  - Teleconferencing, telepresence, immersive environments
  - Virtual classrooms and distance learning
  - Multimodal collaboration, multiplayer gaming
  - Telemedicine, human-human distance collaboration
  - Multimodal storage and retrieval
- **Multimedia for communication and collaboration**
  - Microphone and camera array processing
  - Source separation, source localization, de-noising
- **Scene analysis for immersive telecommunication**
- **Object detection, identification, and tracking**
  - Gesture, face, and human pose recognition
  - Presence detection and activity classification
- **Coding**
  - Distributed/centralized source coding for sensor arrays
  - Scalable source coding for multiparty conferencing
  - Error/loss resilient coding for telecommunications
  - Channel coding and error protection
- **Networking**
  - Voice and video over IP and wireless
  - Quality monitoring and management, security
  - Priority-based QoS control and scheduling, ad-hoc and real time communications
  - Channel coding, packetization, synchronization

A thematic emphasis for MMSp-09 is on topics related to multimedia processing and interaction for immersive telecommunication and collaboration. Papers on these topics are encouraged.

## SCHEDULE:

- **Papers (full paper, 4-6 pages, to be received by): April 17, 2009**
- **Notification of acceptance by: June 13, 2009**
- **Camera-ready paper submission by: July 6, 2009**

**FOR MORE INFORMATION, GO TO: [www.mmsp09.org](http://www.mmsp09.org)**

TECHNICAL PROGRAM COMMITTEE: Y. Atunbasak (Georgia Institute of Technology), J. Apostolopoulos (HP Labs), A. Cavallaro (Queen Mary Univ. London), I.J. Cox (Univ. College London), L. Deng (Microsoft Research), J.L. Dugelay (Eurecom), L. Guan (Ryerson Univ.), C. Guillemot (INRIA/IRISA), Y. He (Tsinghua Univ.), C.Y. Lin (IBM Research), N. Memon (Polytechnic Univ.), S. Narayanan (Univ. of Southern California), B. Pesquet-Popescu (ENST), F. Pereira (Instituto Superior Técnico), H. Radha (Michigan State Univ.), K. Rose (UC Santa Barbara), F. Stentiford (Univ. College of London), S. Tubaro (Politecnico di Milano), A. Vetro (Mitsubishi Electric Research Labs), J. Villasenor (Univ. of California Los Angeles), M. Wu (Univ. of Maryland), Z. Zhang (Microsoft Research), W. Zeng (University of Missouri)