Call for Papers

IEEE International Workshop on Multimedia Signal Processing

September 13 – 15, 1999, Copenhagen, Denmark

Sponsored by the Danish National Center for IT Research, Nokia A/S, Hewlett-Packard A/S, Tele Danmark A/S, and Thomas B. Thriges Fond. Thanks to the sponsorship of Nokia A/S a number of scholarships are available to provide financial support for participants from overseas, particularly Ph.D. students and Postdocs.

The workshop is organized by the Multimedia Signal Processing Technical Committee of the IEEE Signal Processing Society and strives to bring together people in the Signal Processing Society, the Communications Society, and the Computer Society, to offer a forum for interaction. The workshop will feature keynote addresses, technical presentations, panel discussions, and special sessions by invited speakers. The topics include, from a signal-processing viewpoint:

- Integration of Media
- Human/Machine Interfaces
- Multimedia Networks including especially the Internet.

In particular, papers are solicited for, but not limited to, the following general areas:

1. **Multimedia Processing:** Compression for Multimedia (Audio, Video, Speech, etc.), Integration of Media, Joint Audio-Video Processing.
2. **Multimedia Databases:** Indexing, Retrieval and Archiving, Authoring and Editing, Digital Library, Content Preparation and Presentation.
3. **Multimedia System Design and Implementation:** Parallel Architecture, ASIC Design, Software and Hardware Design, System Integration, Signal Acquisition.
4. **Human-Machine Interface and Perception:** Content Recognition/Analysis/Synthesis, Speech Recognition and Synthesis, Audio/Music Signal Processing and Synthesis, Multimodal Interaction (Speech, Image, and Video), Audiovisual Perception Quality and Human Factors, Agents, Avatars and Talking Heads.
5. **Multimedia Communications:** Equalization and Synchronization, Transport Protocols, QoS Control, Error Concealment and Loss Recovery, Rate Control and Hierarchical Coding, Wireless Communication.
6. **Multimedia Applications:** WWW and Hypermedia, Videoconferencing and Collaboration Environments, Education and Distant Learning, Telemedicine, Home-shopping, Gaming and Virtual Reality, SDTV, HDTV, SHDTV and Video on Demand.
7. **Standards and Related Issues:** ITU-T Standards for Audiovisual Communication, MPEG-1, MPEG-2, MPEG-4, MPEG-7, MHEG, DAVIC, ATM Forum, HTML, VRML, and others. Compressed Domain Processing.

PAPER AND DEMO SUBMISSION PROCEDURE

Papers: Prospective authors are invited to submit 5 copies of extended summaries of no more than 4 pages. The top of the first page of the summary should include a title, authors names, affiliations, address, telephone and fax numbers and e-mail address. The camera-ready full papers (each up to 4 pages) of accepted proposals will be published in proceedings, which will be distributed at the workshop.

Demos: Prospective authors are invited to submit proposals for demonstrations. Please contact the Demo Sessions Chair: Kim Tilgaard, ktp@tdk.dk.

Please state if **partial travel funding** is applied for. (This is applicable for Ph.D. students and Postdocs, and must be accompanied by a letter from the supervisor.)

FOR PAPER SUBMISSIONS AND FURTHER INFORMATION

Non-electronic: MMSP99
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SUBMISSION SCHEDULE

Extended summary received by: **January 15, 1999.**
Notification of acceptance: **April 15, 1999.**
Camera ready papers received by: **June 4, 1999.**
Advance registration before: **August 1, 1999.**

COOPERATIONS

The workshop is carried out in cooperation with the Neural Networks for Signal Processing Technical Committee, and Speech Technical Committee of the IEEE Signal Processing Society; with EURASIP; with the Danish Research Council Center for Multimedia; with Center for PersonKommunikation, Aalborg University; with IEEE Denmark Section, Signal Processing Chapter; with the Danish Society for Applied Digital Signal Processing; with the COM-Center, the IT, and the TELE Departments of the Technical University of Denmark.