

# SIGMAP 2007

*International Conference on Signal Processing and Multimedia Applications*

## SCOPE

The purpose of SIGMAP 2007 the *International Conference on Signal Processing and Multimedia Applications* is to bring together researchers, engineers and practitioners interested on information systems and applications in the context of Signal Processing, including theory and practice in the field of telecommunications, image, video, audio, biometrics, etc., and Multimedia Applications related to representation, storage, authentication and communication of multimedia information.

The signal processing field, when combined with multimedia information encompasses a large number of research topics and emerging applications. A list of relevant topics is provided below, though many other topics could be listed.

Ideas on how to analyse and apply signal processing techniques to solve problems involving multimedia information and technology, either in the scope of R&D projects, engineering or business applications, are welcome. Papers describing new methods or technologies, advanced prototypes, systems, tools and techniques and general survey papers indicating future directions are also encouraged.

Papers describing original work are invited in any of the areas listed below. Accepted papers, presented at the conference by one of the authors, will be published in the Proceedings of SIGMAP, with an ISBN. Acceptance will be based on quality, relevance and originality. Both full research reports and work-in-progress reports are welcome. There will be both oral and poster sessions.

The best papers will be selected to appear either in an international journal or in a book to be published by Springer.

Special sessions, case-studies and tutorials dedicated to technical/scientific topics related to the main conference are also envisaged: researchers interested in organizing a special session, companies interested in presenting their products/technology or researchers interested in holding a tutorial are invited to contact the conference secretariat. Additional information can be found at <http://www.sigmaph.org>.

## TOPIC AREAS / CONFERENCE TRACKS

Each of these topic areas is expanded below but the sub-topics list is not exhaustive. Papers may address one or more of the listed sub-topics, although authors should not feel limited by them. Unlisted but related sub-topics are also acceptable, provided they fit in one of the following main topic areas:

- Multimedia Communications
- Multimedia Signal Processing
- Multimedia Systems and Applications

### Area 1: Multimedia Communications

- Digital Audio and Video Broadcasting
- Multimedia Streaming (IPv4 / IPv6)
- Mobile Multimedia
- MPEG Standards and related issues
- Universal Multimedia Adaptation
- Layered Coding and Transcoding
- Multiple Description Coding
- Traffic modeling for Multimedia
- Joint source/channel coding
- Error Control and Concealment

### Area 2 : Multimedia Signal Processing

- Image and Video Processing
- Speech, Audio and Music Processing
- 3D and Stereo Imaging
- Signal Processing Education
- Distributed Source Coding
- Multidimensional Signal Processing
- Biometrics and Pattern Recognition
- Multimodal Signal Processing
- Neural Networks and Genetic Algorithms
- Perceptual/Human Audiovisual System Modelling
- Remote Sensing

### Area 3 : Multimedia Systems and Applications

- IPTV, VoIP, Web Conferencing
- Interactive Digital Television
- Audio and Video Quality Assessment
- Video surveillance
- Internet QoS for Multimedia Applications
- Distributed Multimedia Systems
- Multimedia Databases, Indexing, Recognition and Retrieval
- Authentication and Watermarking
- Entertainment and games
- Human-Machine Interface
- E-Learning, E-Commerce and E-Society Applications
- Design and Implementation of Signal Processing Systems

## KEYNOTE SPEAKERS

SIGMAP 2007 will have several invited keynote speakers, who are internationally recognized experts in their areas. Their names are not yet confirmed.

## SUBMISSION OF PAPERS

Authors should submit a complete paper in English of up to 8 A4 pages, using the submission procedure indicated below. The program committee will review all papers and the contact author of each paper will be notified of the result, by email. Each paper should clearly indicate the nature of its technical/scientific contribution, and the problems, domains or environments to which it is applicable. Authors must also indicate the conference track to which the paper is submitted. The paper must be carefully checked for correct grammar and spelling.

### Paper submission procedure

1. A "blind" paper evaluation method will be used. To facilitate that, the authors are kindly requested to produce and provide the full paper, WITHOUT any reference to the authors. The manuscript must contain, in its first page, the paper title, an abstract and a list of keywords but NO NAMES OR CONTACT DETAILS WHATSOEVER are to be included in any part of this file.

2. The contact author will then use the SIGMAP web-based submission facility available at the conference web site, <http://www.sigmap.org/> to enter the contact information of all paper authors plus the file indicated in point 1, above. The facility will automatically send a submission acknowledgement, by email, to the author indicated as "contact author". Please contact the secretariat if no acknowledgement is received.

If the author is unable to use the web-based procedure then he/she can send the paper by e-mail to the secretariat attaching an additional file containing: the title, author(s), affiliation(s), contact details, a list of keywords and an abstract. Authors must also indicate the conference area (including the topics), to which the paper is submitted.

The camera-ready format will be enforced only for accepted papers, but authors are encouraged to use it also for paper submissions, in order to reduce extra work later. Two templates are provided at the conference web site: one for Latex and another for MS Word. Due to space limitations in the Proceedings, the camera-ready version will be limited to 8 (eight) pages for full papers, 6 (six) for short papers (progress reports) and 4 (four) for poster presentations. If absolutely needed, the number of pages may be increased up to a maximum of 12 (long presentations), 8 (short presentations) and 6 (poster presentations). However, for each page in excess of the maximum allowed, the author will have to pay an additional fee.

## PUBLICATIONS

SIGMAP 2007 papers will be indexed by DBLP.

All accepted papers will be published in the conference proceedings, under an ISBN reference, in paper and in CD-ROM support.

A book including a selection of the best conference papers will be edited and published by Springer.

The publication of extended versions of outstanding conference papers is also a possibility being discussed with several scientific journals.

## IMPORTANT DEADLINES

Full Paper Submission: 19th March 2007

Author Notification: 14th May 2007

Final Paper Submission and Registration: 24th May 2007

Conference Date: 28-31 July 2007

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