CALL FOR PAPERS
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SITIS 2013
The 9th International Conference on SIGNAL IMAGE TECHNOLOGY & INTERNET BASED SYSTEMS
Track Signal and Image Technologies (SIT)
December 2 - 5, 2013, KYOTO TERRSA, Japan
http://www.sitis-conf.org/

The SITIS conference is dedicated to research on the technologies used to represent, share and process information in various forms, ranging from signal, image, and multimedia data to traditional structured data and semi structured data found in the web. The track "Signal & Image Technologies" (SIT) focuses on recent developments in digital signal processing and pays particular attention to evolutions in audiovisual signal processing, analysis, coding and authentication, and retrieval techniques.

The Topics of interest include but not limited to:

Image Processing and Analysis
- Image filtering, Restoration, Enhancement
- Image segmentation
- Image acquisition, manipulation and compression
- Image synthesis
- Image databases
- Content based image retrieval
- Pattern analysis and recognition
- Shape matching
- Learning and classification
- Colour Imaging
- Multispectral processing
- Stereoscopic and 3D processing
- 3D Object Extraction
- Surface reconstruction
- Geometric algorithms
- Computational geometry

Signal processing
- Theory and Methods
- Gibbs models and MRFS
- Digital Filters and Filter Banks design
- Wavelets and Multirate Signal Processing
- Spectral analysis
- Time frequency signal analysis
- Nonlinear and Multidimensional Signal Processing
- Variational formulations, PDE
- Radar, sonar, Antennas
- Mobile Signal Processing

Applications
- Fast algorithms
- Real time signal processing
- Signal noise control
- Archiving
- Digital video broadcasting
- Biomedical Imaging
- Nuclear Xray, and magnetic resonance imaging
- Tomographic imaging
- Remote Sensing
- Document Image Processing and Analysis
- Astronomy
- Geosciences and environment
- Artificial intelligence applications
- Neural networks applications
- Fuzzy logic applications
- Biometrics and Applications

Image/Video Coding and Authentication
- Coding standards
- Image and video over networks
- Error resilience
- Video processing and streaming
- Motion detection and estimation
- Image sequence processing and analysis
- Video streaming
- Watermark Embedding and Detection
- Reliable Watermark Recovery
- Stochastic Aspects of Data Hiding

Submission and publication
The conference will include keynote addresses, tutorials, and regular and workshop sessions. SITIS’13 invites submission of high quality and original papers on the topics listed above. All submitted papers will be peer-reviewed by at least two reviewers for technical merit, originality, significance and relevance to track topics. Papers must be up to 8 pages and follow IEEE double columns publication format. Accepted papers will be included in the conference proceedings and published by IEEE Computer Society and referenced in IEEE explore and major indexes.

Journal special issue
Extended version of selected accepted papers will be considered for publication in a special issue of the journal: “Multimedia Tools and Applications” edited by Springer.

Important dates
* Paper Submission: September 8, 2013
* Acceptance/Reject notification: October 6, 2013
* Camera ready: October 13, 2013
* Author registration: October 20, 2013

Track Chairs
Andrea Kutics, International Christian University, Japan
Albert Dipanda, University of Burgundy, France