CALL FOR PAPERS
The 4th International IEEE Conference on
SIGNAL IMAGE TECHNOLOGY & INTERNET BASED SYSTEMS (SITIS'08)
In cooperation with ACM Sigapp
Track on Signal & Image Technologies (SIT)

November 30th December 3rd, 2008
BALI – INDONESIA
http://www.u-bourgogne.fr/SITIS/08/Track3.htm

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 semistructured data found in the web. SITIS spans two interrelated research domains that increasingly play a key role in connecting systems across network centric environments to allow distributed computing and information sharing.
The track "Signal & Image Technologies" (SIT) focuses on recent developments in digital signal processing and pays particular attention to evolutions in audiovisual signal processing, coding and authentication, and retrieval techniques.

TOPICS : 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

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

Signal processing
- Theory and Methods
- Gibbs models and mrfs
- Digital Filters and Filter Banks design
- Wavelets and Multirate Signal Processing
- Spectral analysis
- Timefrequency signal analysis
- Nonlinear and Multidimensional Signal Processing
- Variational formulations
- Pdes
- Radar, sonar
- Antennas
- Mobile Signal Processing
- Fast algorithms
- Real time signal processing
- Signal noise control

Applications
- 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

SUBMISSIONS AND PUBLICATION:
SITIS 2008 invites submission of high quality and original papers on the topics of the major tracks described below. 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. Prospective authors should submit their papers online at http://www.easychair.org/conferences/?conf=sitis08.

Accepted papers will be included in the conference proceedings published by the IEEE Computer Society and referenced in IEEE Xplore and major indexes. A selection of accepted papers will be considered for publication as a journal special issue.

IMPORTANT DATES:
Paper Submission   June 30th
Acceptance/Reject notification   August 15th
Camera ready   September 7th
Author registration due date   September 7th

PROGRAM CHAIRS:
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