The 5th International SITIS 2009 conference on Signal-Image Technology and Internet–Based Systems

Track Signal & Image Technologies (SIT)

November 29th – December 4th, 2009
Kenzi Farah Hotel
Marrakesh, Morocco
(in cooperation with IEEE, ACM Sig App.fr, IFIP TC 2 WG 2.13)

Objectives

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. SITIS spans two inter-related research domains that increasingly play a key role in connecting systems across network centric environments to allow distributed computing and information sharing.

This track 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 of the track include:

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
- 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

Image/Video Coding and Authentication

Applications

- 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
- 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

Submission and Publication

SITIS 2009 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=sitis09.

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.

Tutorial proposals should be submitted to sitis@ubourgogne.fr.

Important Dates

- Paper Submission
- Acceptance/Reject notification
- Camera ready
- Author registration due date

- September 20th, 2009
- October 08th, 2009
- October 16th, 2009
- October 19th, 2009

Track Chairs

- Albert Dipanda (University of Bourgogne, France)
- Sebti Foufou (University of Bourgogne, France)
- Muhammad Sarfraz (Kuwait University, Kuwait)

Program Committee (confirmation pending)

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