



IEEE
Signal Processing Society

MALAYSIA SECTION

ICSIPA09

The IEEE International Conference on Signal & Image Processing Applications 18—19 November 2009, Kuala Lumpur, Malaysia

The International Conference on Signal and Image Processing Applications (ICSIPA), organized by the IEEE Signal Processing Society of Malaysia Section provides a forum for the researchers and engineers from academia and industry to discuss and present the latest technological advances and research results in the fields of theoretical, experimental, and application of signal, image and video processing. ICSIPA 2009 which is held near to the beautiful capital city of Kuala Lumpur in Malaysia also aims to bring together engineers and scientists in signal, image and video processing from around the world and Malaysia for a better cohesion and collaboration in the fields of mutual interest.

Topics of Interest

ICSIPA2009 is seeking original high quality submissions addressing the innovative researches in the broad field of signal, image and video processing. Papers are solicited on, but not limited to, the following topics:

Applied DSP: forensic signal analysis; radar and array processing; seismic signal processing; signal processing for life sciences data; speech and music processing.

DSP in Communications: baseband communications; coding theory; digital communications; information theory; software radio; wireless communications.

Emerging Technologies in DSP: chaos theory and fractals; higher-order statistical techniques; multi-resolution and wavelet analysis; nonlinear signal processing.

Image Acquisition and Display: imaging sensors and acquisition systems; sampling, scanning and quantization; color reproduction; image rendering; display and printing systems; evaluation of image quality.

Image and Video Processing: image filtering; enhancement and restoration; image and video segmentation; image registration; stereoscopic and 3-D processing; video and image sequence processing; morphological processing.

Image and Video Analysis: low-level feature extraction – color, texture and shape; high-level semantics; pattern recognition and classification; motion detection and estimation; motion analysis and object tracking; object, event and scene recognition.

Storage and Retrieval: Image, audio and video databases; multidimensional indexing; content-based retrieval; semantics retrieval; automatic image and video annotation.

Coding and Transmission: still image coding; video coding; audio and speech coding; stereoscopic and 3-D coding; compression standards; image and video transmission over wireless networks.

Methodology and Algorithms: mathematical models; statistical and probabilistic models.

Paper Submission

Prospective authors are invited to submit full papers of no more than six (6) pages including results, figures and references in standard IEEE double-column format. Papers will be accepted only by electronic submission through the conference website. Guidelines for online submission are available at the conference website. All accepted papers will be archived in IEEEExplore database.

Conference website: <http://www.sp.ieeemalaysia.org/ICSIPA09>

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IMPORTANT DATES:

Full paper submission: 15th June 2009

Notification of paper acceptance : 1st September 2009

Camera ready paper submission: 28th September 2009

Registration: 28th September 2009

SUPPORTED BY:

