



IEEE  
Signal Processing Society

MALAYSIA SECTION



# The IEEE International Conference on Signal & Image Processing Applications

16<sup>th</sup> - 18<sup>th</sup> November 2011 Kuala Lumpur, Malaysia

# ICSIPA2011

## Final Call For Papers

The International Conference on Signal and Image Processing Applications (ICSIPA), organized by the IEEE Signal Processing Society (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 2011 is the second in the series and will be held in Kuala Lumpur, the capital of Malaysia. The conference aims to bring together engineers and scientists in signal, image and video processing locally and internationally for a better cohesion and collaboration in the fields of mutual interest. The first ICSIPA conference, held in 2009 at the Cititel Hotel MidValley in Kuala Lumpur, was a major success with over 50% international participation.

### Topics of Interest

ICSIPA2011 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:

**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 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.

**Signal Processing in Communications:** baseband communications; coding theory; digital communications; information theory; software radio; wireless communications.

**Applied Signal Processing:** signal processing for life sciences data; forensic signal analysis; radar and array processing; seismic signal processing; speech and music processing; smart grid applications.

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

### 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 IEEEXplore database.

### IMPORTANT DATES:

Full paper submission (**Extended**): ~~3<sup>rd</sup> June 2011~~ **21<sup>st</sup> June 2011**

Notification of paper acceptance : 17<sup>th</sup> August 2011

Camera ready paper submission: 30<sup>th</sup> September 2011

Registration and payment: 30<sup>th</sup> September 2011

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