



ICIP 2010

2010 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING

SEPTEMBER 26-29, 2010

THE HONG KONG CONVENTION AND EXHIBITION CENTRE, HONG KONG



ICIP 2010

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CALL FOR PAPERS

Future Generations of Quality Image & Video Processing

The International Conference on Image Processing (ICIP), sponsored by the IEEE Signal Processing Society, is the premier forum for the presentation of technological advances and research results in the fields of theoretical, experimental, and applied image and video processing. ICIP-2010, the seventeenth in the series that has been held annually since 1994, will bring together leading engineers and scientists in image processing from around the world. Research frontiers in fields ranging from traditional image processing applications to evolving multimedia and video technologies are regularly advanced by results first reported in ICIP technical sessions. Topics of interest for submissions include, but are not limited to:

1. IMAGE/VIDEO CODING AND TRANSMISSION:

Still image and video coding, model-based and synthetic-natural hybrid coding, source/channel coding, stereoscopic and 3-D coding, coding standards, image and video over networks, and video streaming.

2. IMAGE/VIDEO PROCESSING AND ANALYSIS:

Image filtering and enhancement, restoration, multiframe image restoration, video segmentation and tracking, wavelets and multiresolution processing, morphological processing, color and multispectral processing, stereoscopic and 3-D processing, modeling, analysis, biometrics, interpolation and super-resolution, motion detection and estimation, and computer vision.

3. IMAGE FORMATION:

Biomedical imaging, remote sensing imaging, geophysical and seismic imaging, optical imaging, and synthetic-natural hybrid image systems.

4. IMAGE SCANNING, PRINTING, DISPLAY AND COLOR:

Scanning and sampling, quantization and halftoning, color reproduction, image representation and rendering, display and printing systems, image quality assessment.

5. IMAGE/VIDEO STORAGE, RETRIEVAL, AND AUTHENTICATION:

Image and video databases, image search and sorting, video indexing and editing, integration of images and video with other media, content-based multimedia, multimedia applications, authentication and watermarking.

6. APPLICATIONS:

Application of image processing technology to any field, including biomedical sciences, astronomy, geosciences, environment, humanities, and document processing.

PAPER SUBMISSION

Prospective authors are invited to submit full-length paper of not more than four (4) pages including results, figures and references. Papers will be accepted only by electronic submission through the conference web site (<http://www.icip2010.org>).

Submission of full-length papers:

~~January 25, 2010~~ February 8, 2010

Notification of acceptance:

~~April 26, 2010~~ May 26, 2010

Submission of camera-ready papers:

~~May 24, 2010~~ June 17, 2010

PROPOSALS FOR TUTORIALS AND SPECIAL SESSIONS

Tutorials will be held on Sunday, September 26, 2010. Proposals for tutorials must include a title, an outline of the tutorial and its motivation, contact information for the presenter(s), and a short description of the material to be covered. Proposals for tutorials should be submitted to the Tutorial Chair S.C. Chan (scchan@eee.hku.hk) before January 25, 2010.

ICIP-2010 will include a number of special sessions. Proposals for special sessions must include a title, contact information for the session chair(s), and a list of authors who have been or will be contacted to present papers if the session is accepted. Proposals for special sessions should be submitted to the Special Sessions Co-Chair Oscar Au (eeau@ee.ust.hk) before December 18, 2009.

<http://www.icip2010.org>

