



# 2008 IEEE International Conference on Image Processing

October 12 - 15, 2008 • San Diego, California, USA

## CALL FOR PAPERS

### General Co-Chairs

**Rama Chellappa**

University of Maryland, College Park

**Bernd Girod**

Stanford University

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**B. S. Manjunath**

University of California, Santa Barbara

**Antonio Ortega**

University of Southern California

### Special Sessions/Workshops

#### Co-Chairs

**Aggelos Katsaggelos**

Northwestern University

**Kenneth Rose**

University of California, Santa Barbara

### Local Arrangements Co-Chairs

**Pamela Cosman**

University of California at San Diego

**Truong Nguyen**

University of California at San Diego

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Arizona State University

### Registration Chair

**Amit Roy Chowdhury**

University of California, Riverside

### Tutorial Chair

**Namrata Vaswani**

Iowa State University

### Publications Chair

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Arizona State University

### Publicity Chair

**Volkan Cevher**

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### Exhibits/Demo Sessions Chair

**Ramani Duraiswami**

University of Maryland, College Park

### European Liasion

**Martin Vetterli**

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**Kiyoharu Aizawa**

The University of Tokyo

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-2008, the 15<sup>th</sup> in the series that has been held annually since 1994, will bring together leading engineers and scientists in image and video 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 include, but are not limited to:

- **Image/video coding and transmission:** Still image coding, video coding, stereoscopic and 3-D coding, distributed source coding, image/video transmission over wireless networks
- **Image/video processing:** Image filtering, restoration and enhancement, image segmentation, video segmentation and tracking, morphological processing, stereoscopic and 3-D processing, feature extraction and analysis, interpolation and super-resolution, motion detection and estimation, implementation and systems
- **Image formation:** Biomedical imaging, remote sensing, geophysical and seismic imaging, optimal imaging, synthetic-natural hybrid image systems
- **Image scanning, display, and printing:** Scanning and sampling, quantization and halftoning, color reproduction, image representation and rendering, display and printing systems, image quality assessment
- **Image/video storage, retrieval, and authentication:** Image and video databases, image indexing and retrieval, video indexing, retrieval and editing, multimodality image/video indexing and retrieval, authentication and watermarking
- **Applications:** Biomedical sciences, geosciences and remote sensing, document image processing and analysis, other applications

**Paper Submission:** Prospective authors are invited to submit extended summaries of not more than four (4) pages including results, figures and references. Papers will be accepted only by electronic submission at [www.icip08.org](http://www.icip08.org).

**Submission of extended summary:** January 18, 2008

**Notification of acceptance:** April 25, 2008

**Submission of camera-ready papers:** June 6, 2008

**Tutorials:** Tutorials will be held on Sunday, October 12, 2008. Proposals for tutorials must include a title, an outline of the tutorial and its motivation, a two-page C.V. of the presenter(s), and a short description of the material to be covered. Proposals for tutorials should be submitted to Namrata Vaswani at [tutorials@icip08.org](mailto:tutorials@icip08.org) by December 7, 2007.

**Workshops/Special sessions:** As in previous editions ICIP-2008 will include a number of special sessions. In addition ICIP-2008 will include 2-4 workshops taking place on October 12. Workshops will include tutorial presentations, lectures and posters on specific focused areas, while special sessions will consist of lectures and will continue to be part of the main technical program. Proposals for workshops should be sent to Aggelos Katsaggelos and Kenneth Rose at [workshops@icip08.org](mailto:workshops@icip08.org) by January 7, 2008. Proposals for special sessions will be due to Drs. Katsaggelos and Rose at [specialsessions@icip08.org](mailto:specialsessions@icip08.org) by January 7, 2008. Detailed guidelines for submission will be provided in the conference webpage. Quality workshop proposals that cannot be accommodated within the limited space, and whose scope can be narrowed appropriately, will be invited for resubmission as special session proposals. Prospective organizers are strongly encouraged to contact Drs. Katsaggelos and Rose in advance.

**Demo Sessions:** ICIP 2008 will introduce demonstrations. The purpose of demos is to give presenters from the technical sessions the opportunity to showcase live demonstrations of their contributions. Prospective demo participants should fill out and submit a demo application form which will be included in the conference webpage. At least one of the people presenting the demo must be registered for the conference. The conference reserves the right to select demonstrations based on the degree of appropriateness for ICIP. The deadline for demo application is June 30, 2008 (see [www.icip08.org](http://www.icip08.org) for details).

Further information available at: [www.icip08.org](http://www.icip08.org)

