



CALL FOR PAPERS ISBI'11

30 March-2 April 2011
Chicago, Illinois, USA

General Chair

Steve Wright
Texas A&M University
USA

Program Chairs

Xiaochuan Pan
University of Chicago
USA

Michael Liebling
UC Santa Barbara
USA

Plenaries

Andrew Laine
Columbia University, NYC
USA

Special Sessions

Joe Zhou
University of Illinois at Chicago
USA

Tom Talavage
Purdue University
USA

Tutorials

Alejandro Frangi
Pompeu Fabra University
Spain

Leslie Ying
University of Wisconsin Milwaukee
USA

Industrial Liaison

Ed Boskamp
GE Healthcare
USA

Michael Vannier
University of Chicago
USA

Publications/Publicity

Miles Wernick
Illinois Institute of Technology
USA

Jay Tian
Chinese Academy of Sciences
China

Student Activities

Jim Ji
Texas A&M University
USA

Mary McDougall
Texas A&M University
USA

Local Arrangements

Patrick La Riviere
University of Chicago
USA

Krishna Kurpad
University of Wisconsin
USA



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ISBI 2011 Student Activities Group

2011 IEEE International Symposium on Biomedical Imaging: From Nano to Macro

Biomedical Imaging is evolving to meet new demands in biology and medicine, including the possibility to localize gene expression, to characterize cell behavior in vivo, to map out the functioning brain, or to provide personalized medicine, point-of-care delivery, and minimally invasive procedures. To address these needs, biomedical imaging methodologies are being challenged to extend resolution and contrast, to increasingly include multiple modalities, operate in various clinical and research settings, and focus on a variety of temporal and spatial scales, from molecular to whole-body imaging, from nano to macro.

The **Eighth IEEE International Symposium on Biomedical Imaging (ISBI'11)** will be held **March 30 – April 2, 2011**, at the **Hyatt Regency McCormick Place in Chicago Illinois, USA**. ISBI is a joint initiative of the IEEE Signal Processing Society (SPS) and the IEEE Engineering in Medicine and Biology Society (EMBS). Previous meetings have played a leading role in facilitating interaction between researchers in medical and biological imaging. The 2011 meeting will continue the tradition of fostering cross-fertilization between different imaging communities and contributing to an integrative imaging approach across all scales of observation.

The meeting will feature preconference tutorials and short courses, followed by a strong scientific program of plenary talks and special sessions as well as oral and poster presentations of peer-reviewed contributed papers.

High-quality papers are solicited containing original contributions to the algorithmic, mathematical and computational aspects of biomedical imaging, from nano- to macroscale. Topics of interest include image formation and reconstruction, computational and statistical image processing and analysis, dynamic imaging, visualization, image quality assessment, and physical, biological and statistical modeling. Papers on all molecular, cellular, anatomical and functional imaging modalities and applications are encouraged. All accepted regular papers will be published in the proceedings of the symposium and will afterwards also be made available online through the IEEE Xplore database.

Symposium Website

<http://www.biomedicalimaging.org/>

More Information

isbi2011-info@ieee.org

Important dates – Note the extended deadlines

Deadline for submission of 4-page paper: October 28, 2010	November 11, 2010
Notification of acceptance/rejection: January 4, 2011	January 20, 2011
Submission of final accepted 4-page paper:	January 28, 2011
Deadline for author registration:	January 28, 2011

