CALL FOR PAPERS

ISBI 2010

14-17 April 2010 • Rotterdam • The Netherlands

General Chair
Wiro Niessen
Erasmus Medical Center &
Delft University of Technology
The Netherlands

Program Chair
Erik Meijering
Erasmus Medical Center
The Netherlands

Plenaries
Zhi-Pei Liang
University of Illinois at
Urbana-Champaign
USA

Tutorials
Jelena Kovačević
Carnegie Mellon University
USA

Special Sessions
Boudewijn Lelieveldt
Leiden University Medical Center
The Netherlands

Publications and Publicity
Daniel Rueckert
Imperial College London
United Kingdom

Industrial Liaison
Max Viergever
University Medical Center Utrecht
The Netherlands

American Liaison
Atam Dhawan
New Jersey Institute of Technology
USA

Local Arrangements
Désirée de Jong &
Petra 't Hart-Assems
Erasmus Medical Center
The Netherlands

The **IEEE International Symposium on Biomedical Imaging** (ISBI) is the premier forum for the presentation of technological advances in theoretical and applied biomedical imaging. ISBI 2010 will be the seventh meeting in this series. The previous meetings have played a leading role in facilitating interaction between researchers in medical and biological imaging. The 2010 meeting will continue this tradition of fostering crossfertilization among different imaging communities and contributing to an integrative approach to biomedical imaging across all scales of observation.

ISBI is a joint initiative of the **IEEE Engineering in Medicine and Biology Society** (EMBS) and the **IEEE Signal Processing Society** (SPS). The 2010 meeting will feature an opening morning of tutorials, followed by a scientific program of plenary talks, special sessions, and oral and poster presentations of peer-reviewed contributed papers.

Confirmed plenaries

- Richard Ehman (Mayo Clinic, USA) on new clinical imaging technologies
- Clemens Löwik (LUMC, The Netherlands) on molecular imaging and applications
- Jason Swedlow (University of Dundee, UK) on challenges in bioimage informatics
- Milan Sonka (University of Iowa, USA) on challenges in biomedical image analysis

High-quality papers are solicited containing original contributions to the mathematical, algorithmic, 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 molecular, cellular, anatomical, and functional imaging modalities and applications are welcomed. All accepted papers will be published in the proceedings of the symposium and will be available online through the **IEEE Xplore** database.

Important dates

Deadline for submission of 4-page paper:	**November 2, 2009**
Notification of acceptance/rejection:	**January 15, 2010**
Submission of final accepted 4-page paper:	**February 15, 2010**
Deadline for author registration:	**February 15, 2010**
Deadline for early registration:	**March 1, 2010**

Venue
Congress Center
"De Doelen"
Rotterdam
The Netherlands

Further information is available at http://www.biomedicalimaging.org/2010/

IEEE EMB IEEE Signal Processing Society