

IEEE International Symposium on Biomedical Imaging

#ISBI19



April 8 - 11, 2019

Hilton Molino Stucky,

Venice Italy



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The **IEEE International Symposium on Biomedical Imaging** (ISBI) is a scientific conference dedicated to mathematical, algorithmic, and computational aspects of biological and biomedical imaging, across all scales of observation. It fosters knowledge transfer among different imaging communities and contributes to an integrative approach to biomedical imaging. ISBI is a joint initiative from the IEEE Signal Processing Society (SPS) and the IEEE Engineering in Medicine and Biology Society (EMBS). The 2019 meeting will be held in Venice, Italy and will include tutorials, challenges and a scientific program composed of plenary talks, invited special sessions, as well as oral and poster presentations of peer-reviewed papers. High-quality papers are requested containing original contributions to the topics of interest including image formation and reconstruction, image processing and analysis, dynamic imaging, visualization, image quality assessment, machine learning for big image data, and physical, biological, and statistical modeling. Accepted 4-page regular papers will be published in the symposium proceedings published by IEEE and included in IEEE Xplore. To encourage attendance by a broader audience of imaging scientists and clinical professionals and to offer additional presentation opportunities, ISBI 2019 will include special sessions with specific clinical focus and it will continue to have a second track featuring posters selected from 1-page abstract submissions.

Keynote Speakers

Prof. Monique M.B. Breteler

Director of Population Health Sciences, German Center for Neurodegenerative Diseases (DZNE), Professor of Population Health Sciences at the University of Bonn, and Adjunct Professor of Epidemiology at the Harvard School of Public Health in Boston, MA, USA.

Prof. Satyajit Mayor

Director of the National Centre for Biological Sciences and Director of the Institute for Stem Cell Biology and Regenerative Medicine in Bangalore, India.

Prof. Jeanette Shulz-Menger

Director of the Working Group Cardiac Magnetic Resonance and Research Outpatient Department in Cardiology at Charite Campus Buch in Berlin, Germany. Director Noninvasive Imaging in Cardiology Helios Clinics Berlin-Buch.

Dr. Stephan Saalfeld

Principal Investigator and Group Leader at the Janelia Research Campus, Howard Hughes Medical Institute in Loudoun County, Virginia, USA.

Prof. Andres M. Lozano

Chair of Neurosurgery at the University of Toronto, Canada. RR Tasker Chair in Functional Neurosurgery at University Health Network. Affiliated Faculty, Techna Institute for the Advancement of Technology for Health (Techna), Toronto, Canada.

Important Dates

Proposal Submission

Tutorials	May 28, 2018 - October 8, 2018
Challenges	May 28, 2018 - September 14, 2018
Special Sessions	May 15, 2018 - June 5, 2018
4 page papers	
Submission Opens	September 1, 2018
Submission Deadline	October 16, 2018
Accept/Reject Notification	December 18, 2018
Final Submission	January 15, 2019

1 page papers

Submission Opens	November 19, 2018
Submission Deadline	January 15, 2019
Accept/Reject Notification	January 29, 2019
Final Submission Opens	January 29, 2019
Final Submission Deadline	February 12, 2019

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