

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. J. Shulz-Menger

President of the Society for Cardiovascular Magnetic Resonance, Head of the Working Group Cardiac Magnetic Resonance at Charite Campus Buch in Berlin, Germany.

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

Senior Scientist, Krembil Research Institute (Krembil), Toronto, Canada. Techna Institute for the Advancement of Technology for Health (Techna), Toronto, Canada.

Important Dates

Proposal Submission

Tutorials	May 28, 2018 - September 24, 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 9, 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

Organizing Committee

General Chairs

Marius George Linguraru
MLingura@childrengsnational.org
Enrico Grisan
enrigri@dei.unipd.it

Program Chairs

María Ledesma Carbayo
mledesma@die.upm.es
Miguel Ángel González Ballester
ma.gonzalez@upf.edu

Special Advisor

Daniel Rueckert
d.rueckert@imperial.ac.uk

Executive Coordinator

Elisa Roccia
elisa.roccia@kcl.ac.uk

Financial Chair

Elsa Angelini
e.angelini@imperial.ac.uk

Plenary Chairs

Perrine Paul-Gilloteaux
Perrine.Paul-Gilloteaux@univ-nantes.fr
Wiro Niessen
w.niessen@erasmusmc.nl

Special Sessions

Michael Liebling
michael.liebling@idiap.ch
Natasha Lepore
nlepore@chla.usc.edu

Tutorials

Albert C.S. Chung
achung@cse.ust.hk
Laure Blanc-Féraud
laure.blancferaud@cnrs.fr

Challenges

Ivana Isgum
i.isgum@umcutrecht.nl
Tom Vercauteren
t.vercauteren@ucl.ac.uk

Awards

Alison Noble
alison.noble@eng.ox.ac.uk
Olivier Salvado
olivier.salvado@csiro.au

Communication

Juan J. Cerrolaza
j.cerrolaza-martinez@imperial.ac.uk

Local Arrangements

Gloria Menegaz
gloria.menegaz@univr.it
Cristiana Corsi
cristiana.corsi3@unibo.it

NIH Liaison

Matthews Jacob
mathews-jacob@uiowa.edu

Industrial Liaisons

Jens Rittscher
jens.rittscher@eng.ox.ac.uk
Dirk Padfield
dirkpadfield@gmail.com

Alberto Santamaria-Pang

santamar@sent.com
Tammy Riklin Raviv
rrtammy@bgu.ac.il

Clinical Liaisons

Luca Marinelli
marinell@research.ge.com
Marco Catani
marco.1.catani@kcl.ac.uk

World Liaisons

Emanuele Neri
emanuele.neri@med.unipi.it

Leo Joskowicz

josko@cs.huji.ac.il
Hasan Al-Nashah
hnashah@aus.edu

Gozde Unal

unalgo@itu.edu.tr
Xinjian Chen
xjchen@suda.edu.cn

Akinobu Shimizu

simiz@cc.tuat.ac.jp
Jayanthi Sivaswamy
jsivaswamy@iit.ac.in

Leigh A Johnston

l.johnston@unimelb.edu.au
Eduardo Romero
edromero@unal.edu.co

Habib Kammoun

habib.kammoun@ieee.org
Student Liaisons
Luca Giancardo
luca.giancardo@uth.tmc.edu

Alessandro Masci

alessandro.masci4@unibo.it