

IEEE International Symposium on Biomedical Imaging

April 4-7, 2018, Omni Shoreham Hotel, Washington, D.C.



IEEE
Signal Processing Society



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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 2018 meeting will include tutorials, and a scientific program composed of plenary talks, invited special sessions, challenges, 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, computational and statistical image processing and analysis, dynamic imaging, visualization, image quality assessment, 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 offer additional presentation opportunities, ISBI 2018 will continue to have a second track featuring posters selected from 1-page abstract submissions without subsequent archival publication.

Keynote Speakers

Sam Achilefu, Washington University in St. Louis, Optical Molecular Imaging

Kim Butts Pauly, Stanford University, MR guided Focused Ultrasound

Peter Basser, National Institutes of Health, MR Diffusion Tensor Imaging

Anne Carpenter, Broad Institute, Harvard/MIT, Cellular Image Analysis

Laura Waller, UC Berkeley, Microscopy and Computational Imaging

Important Dates

Proposal Submission

Tutorials, Special Sessions,
& Challenges **May 29, 2017-
September 25, 2017**

4 page papers

Submission Opens **July 31, 2017**
Submission Deadline **October 16, 2017**
Accept/Reject Notification **December 18, 2017**
Final Submission **January 8, 2018**

1 page papers

Submission Opens **November 20, 2017**
Submission Deadline **January 8, 2018**
Accept/Reject Notification **January 22, 2018**
Final Submission Opens **January 22, 2018**
Final Submission Deadline **February 5, 2018**

Organizing Committee:

Conference Chairs

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Program Chairs

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Tutorial Chairs

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Special Sessions

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Challenges

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Exhibits and Industry Liasons

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Student Awards

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Local Arrangements

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<http://biomedicalimaging.org/2018/>