



IEEE - ISBI 2023

International Symposium on Biomedical Imaging

Cartagena de Indias • Colombia

April 18-21 2023



IEEE



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ASOCIACION COLOMBIANA DE RADIOLOGIA

#ISBI2023

CALL FOR PAPERS

biomedicalimaging.org/2023

The IEEE International Symposium on Biomedical Imaging (ISBI) is a scientific conference dedicated to the 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 of the IEEE Signal Processing Society (SPS) and the IEEE Engineering in Medicine and Biology Society (EMBS).

The 2023 meeting will take place in Cartagena, Colombia and will include tutorials, challenges, and a scientific program comprising plenary talks, special sessions, and oral and poster presentations of peer-reviewed papers.

All submissions must be original submissions not under concurrent review at any other conference or journal. Accepted 4-page regular papers will be published in the symposium proceedings by IEEE Xplore.

To encourage attendance by a broader audience of imaging scientists and clinical professionals, ISBI 2023 will continue to have a second track featuring posters selected from 1-page abstract submissions without subsequent archival publication.

Topics of interest include

- Image formation and reconstruction
- physical, biological, and statistical modelling
- computational and statistical image processing and analysis,
- image segmentation
- image quality assessment
- machine learning for image analysis
- dynamic/ multimodal/ multiplexed/ multiscale imaging
- Computer-aided diagnosis
- Integration of imaging and non-imaging biomarkers
- Imaging informatics
- Visualization in biomedical imaging, and biomedical applications.

Important dates

Special sessions

Submission deadline: 29 Sep 2022
Notification: 06 Oct 2022

Tutorials

Submission deadline: 13 Oct 2022
Notification: 03 Nov 2022

Challenges

Submission deadline: 13 Oct 2022
Notification: 03 Nov 2022

4-page papers

Submission deadline: 27 Oct 2022
Notification: 19 Jan 2023
Camera ready: 23 Feb 2023

1-page abstracts

Submission deadline: 26 Jan 2023
Notification: 09 Feb 2023

Pitch competition

Submission deadline: 26 Jan 2023
Notification: 09 Feb 2023

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