



Special Interest Group Medical Ultrasound (SIG-MUS)

Our Mission

SIG-MUS aims to bring together the medical image computing (MIC) and computer-assisted intervention (CAI) communities to work towards the next generation of medical ultrasound imaging methods and systems. We envisage a future for clinical ultrasound that truly combines advances both in MIC and CAI, acknowledging the unique capabilities of ultrasound as an interactive anatomic and functional imaging modality that can be manipulated directly by human operators or robotic systems. This SIG also helps bridge the research and clinical ultrasound communities to design and implement new ultrasound-enabled applications that provide revolutionary healthcare benefits.

International Workshops

- ASMUS 2024
- ASMUS 2023
- ASMUS 2022
- ASMUS 2021
- ASMUS 2020
- POCUS Workshop 2018
- POCUS Workshop 2017



ASMUS Workshop '24



The 5th International Workshop of Advances in Simplifying Medical UltraSound (ASMUS) - a workshop held in conjunction with MICCAI 2024, the 27th International Conference on Medical Image Computing and Computer Assisted Intervention.

ASMUS is the official workshop of the MICCAI Special Interest Group on Medical Ultrasound.

The workshop proceedings will be published before the conference starts. Workshop attendees can access the proceedings until four weeks after the conference.

Call for Papers

Papers will consist of a maximum of 8 pages (text, figures, and tables) - up to 2 pages for references only. They are to be submitted electronically in Springer LNCS (Lecture Notes in Computer Science) style and are subject to double-blind review. The workshop sessions (oral and posters) will be held in person only, and by submitting a paper authors commit to presenting them in person if accepted for publication.

Associated Challenges and Tutorials

- TUS-REC 2024: Trackerless 3D Freehand Ultrasound Reconstruction Challenge
- Thyroid 2020: Thyroid Nodule Segmentation and Classification in Ultrasound Images
- SlicerIGT 2018: Hands-on Tutorial on Rapid Prototyping of Ultrasound-Guided Intervention Systems

Please register your interest with the SIG-MUS!

