

Session Program

8–12 Sept 2026

Forum Acusticum 2026

A13.03 Ultrasound for Medical and Biomedical applications

Tuesday 8 September

13:40

A13.03 Ultrasound for Medical and Biomedical applications: S498

Session | Location: Messe Congress Graz, Saal 11A | Conveners: Markus Saurer, Lynda CHEHAMI, Robert Nuster

13:40–14:00

Exploring methods for ultrafast ultrasound computed tomography

Speaker

Jade van Leersum

14:00–14:20

High-Resolution Amplitude-Based Reflection-Mode Sound Speed Mapping

Speaker

Michael Jaeger

14:20–14:40

Pulse-echo waveform tomography for speed-of-sound imaging

Speaker

Naiara Korta Martiartu

14:40

15:00

A13.03 Ultrasound for Medical and Biomedical applications: S519

Session | Location: Messe Congress Graz, Saal 11A | Conveners: Markus Saurer, Lynda CHEHAMI, Robert Nuster

15:00–15:20

Investigating Transcranial Ultrasound Transmission and Wavefield Dynamics

Speaker

Isha Lohan

15:20–15:40

Motion Artifact Mitigation in Audioplethysmography: Signal Processing and ML-Based Approaches

Speaker

Dževad Ćoralić

15:40–16:00

Predicting the Acoustic Emissions from Clinical Proton Beams: a Step Towards Ionacoustic Dosimetry in Proton Therapy

Speaker

Catherine Burne

16:00