

Session Program

8–12 Sept 2026

Forum Acusticum 2026

A24.04 Audio for Augmented Reality

Tuesday 8 September

13:20

A24.04 Audio for Augmented Reality: S171

Session | Location: Messe Congress Graz, Saal 11B | Conveners: Nils Meyer-Kahlen, Annika Neidhardt, Johannes M. Arend

13:20–13:40 A Densely Sampled Dataset of Room Impulse Responses for Sound- Field Reconstruction

Speaker

Mads Lang Matthesen

13:40–14:00 Accessible 6DoF rendering with MPEG-I Immersive Audio

Speaker

Nils Peters

14:00–14:20

A Statistically Validated Bayesian Listener Model for Spatial Audio Personalisation in Augmented Reality

Speaker

Roberto Barumerli

14:20–14:40

Comparative Analysis of Sound Localization Accuracy in Real and Virtual Environments Using a Head-Tracked Dynamic Beacon Source

Speaker

Ivan Učović

14:40

14:00

A24.04 Audio for Augmented Reality: P449

Session | Location: Messe Congress Graz, Messehalle (Poster+Exhibition) | Conveners: Johannes M. Arend, Annika Neidhardt, Nils Meyer-Kahlen

14:00–17:00

SuRIR: A Dataset of Successively Measured Room Impulse Responses for Localizing Silent Humans

Speaker

Jeremy Lawrence

14:00–17:00 Benchmarking the Accuracy of Consumer-Grade Camera-Based Head Tracking Systems

Speaker

Christian Scheer

17:00

15:00

A24.04 Audio for Augmented Reality: S446

Session | Location: Messe Congress Graz, Saal 11B | Conveners: Annika Neidhardt, Nils Meyer-Kahlen, Johannes M. Arend

15:00–15:20

Baseline localisation biases in audio-only virtual reality prior to investigating floor reflections

Speaker

Max Væhrens

15:20–15:40 Plausibility of Sound-Source Directivity Resynthesis in a Contemporary Edison Test

Speaker

Otavio Colella Gomes

15:40–16:00

Perceptual Relevance of Source Width in Binaural Rendering of Human Speakers

Speaker

Tobias Weber

16:00–16:20

Speech Recognition and Listening Effort with Real and Virtual Speech in Variable Acoustics

Speaker

Nils Meyer-Kahlen

16:20