

Session Program

8–12 Sept 2026

Forum Acusticum 2026

A15.01 Spatial Hearing: Modeling and Applications

Wednesday 9 September

08:40

A15.01 Spatial Hearing: Modeling and Applications: S107

Session | Location: Messe Congress Graz, Halle A | Conveners: Ville Pulkki, Piotr Majdak

08:40–09:00 Building Internal Models of Auditory Space in Elevation

Speaker

Katarina C. Poole

09:00–09:20

A Probabilistic Mixture Model for Evaluating Sound Localisation Performance in the Median Plane

Speaker

Roberto Barumerli

09:20–09:40

Deep neural networks as integrative models of binaural hearing: linking neural tuning and spatial perception

Speaker

Mathias Dietz

09:40–10:00

Do Spectral Localization Cues Mitigate Azimuthal Localization Bias by a Precursor?

Speaker

Bernhard Laback

10:00

10:20

A15.01 Spatial Hearing: Modeling and Applications: S296

Session | Location: Messe Congress Graz, Halle A | Conveners: Piotr Majdak, Ville Pulkki

10:20–10:40 Auditory-Model Predictions of Quality of Experience in Immersive Music Concerts

Speaker

Nicolas Epain

10:40–11:00

Comparison of binaural models for the localization of virtual sound images using a novel two-listener virtual imaging system

Speaker

Isaac Lambert

11:00–11:20

Influence of Reverberation on the Horizontal Localization of Sound Sources Auralized in an Audiovisual Immersive Room

Speaker

Jesus Vaquerizo-Serrano

11:20–11:40

Modeling Binaural Speech Intelligibility in Symmetrical Listening Conditions using Envelope Fluctuation Cues

Speaker

Cathrina Veigel

11:40

14:20

A15.01 Spatial Hearing: Modeling and Applications: S297**Session** | **Location:** Messe Congress Graz, Halle A | **Conveners:** Ville Pulkki, Piotr Majdak

14:20–14:40

Mitigating Spatial Disorientation via Spatial Audio: A Psychoacoustics Experiment Design**Speaker**

Gamze Cengiz

14:40–15:00

Effects of Automatic Attentional Orienting and Cue-Target Similarity on Auditory Spatial Discrimination**Speaker**

Yeganeh Modaresnia

15:00–15:20

Principles of auditory scene analysis emerge in computational audio separation**Speaker**

Bernhard U. Seeber

15:20

15:00

A15.01 Spatial Hearing: Modeling and Applications: P529**Session** | **Location:** Messe Congress Graz, Messehalle (Poster+Exhibition) | **Conveners:** Ville Pulkki, Piotr Majdak

15:00–18:00

Pinna2HRTF: A Pipeline for Automatic Calculation of Head- Related Transfer Functions from Pinna Meshes**Speaker**

Felix Perfler

18:00