

Session Program

8–12 Sept 2026

Forum Acusticum 2026

A17.07 Source directivity and sound source identification

Wednesday 9 September

08:40

A17.07 Source directivity and sound source identification: S126

Session | Location: Messe Congress Graz, Saal 11A | Conveners: Samuel D. Bellows, Matthieu Hartenstein

08:40–09:00

Improving Independent Component Analysis-Based Acoustic Blind Source Separation with Beamforming

Speaker

Péter Fiala

09:00–09:20

High-Performance Stochastic Optimization of Phased Microphone Arrays for Acoustic Imaging of UAV Propulsion Systems

Speaker

Alessandro Di Marco

09:20–09:40

Limitations of the array-source distance estimation using planar arrays

Speaker

Matthieu Hartenstein

09:40–10:00

Cepstral Decomposition of Microphone Directivity in Arrays for Acoustic Direction Finding

Speaker

Jakob Tschavoll

10:00–10:20

Impact of Model Complexity on Acoustic Source Localization Accuracy

Speaker

Muhammad N. Albezzawy

10:20

09:00

A17.07 Source directivity and sound source identification: P495

Session | Location: Messe Congress Graz, Messehalle (Poster+Exhibition) | Conveners: Samuel D. Bellows, Matthieu Hartenstein

09:00–12:00

Acoular: Acoustic testing and source mapping software

Speaker

Art J.R. Pelling

09:00–12:00

SpectAcoular & AcouPipe: Extensions for Acoular

Speaker

Adam Kujawski

12:00

10:40

A17.07 Source directivity and sound source identification: S396

Session | Location: Messe Congress Graz, Saal 11A | Conveners: Matthieu Hartenstein, Samuel D. Bellows

10:40–11:00

Optimal choice of parameters for the identification of the spherical wave decomposition of the field radiated by a sound source

Speaker
Matthieu Hartenstein

11:00–11:20

Dynamic Voice Directivity Prediction from Facial Geometry via Feed-Forward Neural Networks

Speaker
Samuel D. Bellows

11:20–11:40

Directivity of individual phonemes and running speech, how do they differ?

Speaker
Paul Luizard

11:40–12:00

The Influence of Speech Directivity on Speech Recognition and Scene Analysis in Multi-talker Scenes

Speaker
Allison Trine

12:00