

Session Program

8–12 Sept 2026

Forum Acusticum 2026

A09.01/A17.01 Machine learning for array processing

Thursday 10 September

16:20

A09.01/A17.01 Machine learning for array processing: S054

Session | Location: Messe Congress Graz, Saal 3 | Conveners: Jose J. Lopez, Maximo Cobos

16:20–16:40

Towards Microphone Array Geometry Agnostic Sound Source Characterization: A Message Passing Neural Network Approach

Speaker

Siavash Zaid

16:40–17:00

Direction-Preserving MIMO Speech Enhancement Using a Neural Covariance Estimator

Speaker

Thomas Deppisch

17:00–17:20

Adaptive Learned FISTA for Robust Acoustic Source Mapping

Speaker

Adam Kujawski

17:20–17:40

Differentiable, Matrix-Free Time-Domain Wave Expansions

Speaker

Samuel A. Verburg

17:40–18:00

Multi-Channel Anomaly Sound Detection Based on Spatial-Residual Learning and Dual-Encoder Reconstruction

Speaker

Clara Luzón Álvarez

18:00

Friday 11 September

09:00

A09.01/A17.01 Machine learning for array processing: P520

Session | Location: Messe Congress Graz, Messehalle (Poster+Exhibition) | Conveners: Maximo Cobos, Thushara Abhayapala

09:00–12:00

Online Estimation of Virtual Sensing Observation Filter Coefficients with Real-World Sounds for Local Active Noise Control

Speaker

Felix Holzmüller

12:00