

Session Program

8–12 Sept 2026

Forum Acusticum 2026

A01.05/A17.03 Automotive Audio and Active Control

Thursday 10 September

09:00

A01.05/A17.03 Automotive Audio and Active Control: P420

Session | Location: Messe Congress Graz, Messehalle (Poster+Exhibition) | Conveners: Fabio Cagnetti, Filippo Maria Fazi

09:00–12:00

A Practical Use of Multiple Coherence Function on Active Road Noise System Optimization

Speaker

Nayoung Lee

09:00–12:00

Redundancy-Aware Reference Signal Selection for Automotive Active Road Noise Control

Speaker

Dongmin Yang

09:00–12:00

Experimental Investigation of Vehicle Occupancy Effects on Secondary Path Characteristics and ANC Performance

Speaker

Joowon Park

09:00–12:00

Electroacoustic Characterization of a Multichannel Automotive Demonstrator Utilizing Distributed Piezoelectric Actuators

Speaker

Fabio Cagnetti

09:00–12:00

Acoustic Propagation Modeling for Sound Source Localization in Urban Scenarios

Speaker

Giovanni Battista Pirro

12:00

16:20

A01.05/A17.03 Automotive Audio and Active Control: S006

Session | Location: Messe Congress Graz, Saal 5 | Conveners: Fabio Cagnetti, Filippo Maria Fazi

16:20–16:40

Development of Broadband Active Noise Control for Engine Noise Reduction in a Series Hybrid Vehicle

Speaker

Shinichi Suganuma

16:40–17:00

Achieving Rapid Convergence in Multichannel RNC Using Short Prediction-Error Filters

Speaker

Laurence Wilmshurst

17:00–17:20

Sound Source Localization: a Study comparing Angular and Distance Perception Accuracy in a Vehicle Cabin and in a Reference Room

Speaker

Alessandro Travaglini

17:20–17:40

A comparative study of car interior auralization using higher- order ambisonics and the spatial decomposition method

Speaker

Dongin Kim

17:40–18:00

Listener Position Tracking for Robust Dynamic Crosstalk Cancellation with Headrest-Integrated Loudspeakers

Speaker

Filippo Maria Fazi

18:00