

Session Program

8–12 Sept 2026

Forum Acusticum 2026

A10.01 Acoustic, vibroacoustic and elastic metamaterials

Thursday 10 September

15:00

A10.01 Acoustic, vibroacoustic and elastic metamaterials: P474

Session | Location: Messe Congress Graz, Messehalle (Poster+Exhibition) | Conveners: Bart Van Damme, Steffen Marburg

18:00

15:00–18:00 Shaping Acoustic Back Radiation of Loudspeakers via Subwavelength Corrugated Surfaces

Speaker

Letizia Chisari

16:20

A10.01 Acoustic, vibroacoustic and elastic metamaterials: S060

Session | Location: Messe Congress Graz, Saal 2 | Conveners: Steffen Marburg, Bart Van Damme

16:20–16:40

Automated Design Method for Ventilated Cube-Shaped Acoustic Metamaterials in Sound Transmission Loss Applications

Speaker

Emilia Żak-Stefanowska

16:40–17:00

Enhancing Sound Absorption in Labyrinthine Metamaterials: From Stochastic Nonwoven Fibrous Fillers to 3D-Printed Infill

Speaker

Michał A. Niedzielczyk

17:00–17:20

Numerical analysis of vibration in weakly disordered periodic media

Speaker

Stepan Avetisov

17:20–17:40

A Metamaterial Unit Cell Design Combining Mechanical and Acoustical Resonators for Enhanced Transmission Loss

Speaker

Adam Cavanagh

17:40–18:00

Noise Mitigation Using Sonic Crystal Scatterers Composed of Porous Concrete with Rubber and Cork Inclusions

Speaker

Nicolas Herrera-Leon

18:00–18:20

Porous Material with Embedded Wiremesh Grating

Speaker

Juan Pablo Escudero

18:20