

Session Program

8–12 Sept 2026

Forum Acusticum 2026

***A10.04/A12.04 Numerical methods for acoustic materials
and metamaterial***

Thursday 10 September

14:20

A10.04/A12.04 Numerical methods for acoustic materials and metamaterial: S063

Session | Location: Messe Congress Graz, Saal 2 | Conveners: Luís Godinho, Olivier Dazel

14:20–14:40

Subwavelength Corrugated Surfaces for Planar Focusing: A Parametric Analysis

Speaker

Letizia Chisari

14:40–15:00

Modelling the interaction between a controllable Helmholtz resonator-based acoustic metamaterial and an enclosure using impedance boundary conditions

Speaker

Yuan Kit Sim

15:00–15:20

Application of the wave finite element method for dispersion prediction in materials with frequency-dependent properties

Speaker

Bart Van Damme

15:20–15:40

Wave-based analysis of sound transmission through finite-sized thick anisotropic laminates

Speaker

Edwin P.B. Reynders

15:40–16:00

Hybrid FEM–MFS Modeling of Low-Height Sonic Crystal Noise Barriers with Embedded Resonators

Speaker

Luís Godinho

16:00