

Session Program

8–12 Sept 2026

Forum Acusticum 2026

A10.06/A12.10 Acoustic wave propagation in complex media

Tuesday 8 September

13:20

A10.06/A12.10 Acoustic wave propagation in complex media: S065

Session | Location: Messe Congress Graz, Galerie C | Conveners: Malte Peter, Tristan Lawrie

13:20–13:40

Engineering Complex Dispersion Relations with Beyond Nearest Neighbour Couplings

Speaker

Robyn Edge

13:40–14:00

Tracking Rayleigh–Bloch Waves in Periodic Arrays of Penetrable Scatterers

Speaker

Kei Matsushima

14:00–14:20

A Modal Analysis of Rainbow Trapping vs Rainbow Reflection

Speaker

Malte Peter

14:20

14:00

A10.06/A12.10 Acoustic wave propagation in complex media: P526

Session | Location: Messe Congress Graz, Messehalle (Poster+Exhibition) | Conveners: Malte Peter, Tristan Lawrie

14:00–17:00

FDTD Simulation of Acoustic Absorption in Multilayer Textile Structures

Speaker

Ahmed Mehrem

17:00

15:00

A10.06/A12.10 Acoustic wave propagation in complex media: S301

Session | Location: Messe Congress Graz, Galerie C | Conveners: Tristan Lawrie, Malte Peter

15:00–15:20

A numerical study of the sound insulation properties of segmented vibro-acoustic metamaterial plates

Speaker

Felix Langfeldt

15:20–15:40

Controlled Wave Trapping in an Acoustic Waveguide via Localized Non-Hermitian Feedback Interactions

Speaker

Gal Ben Yelid

15:40–16:00

Permeo-Elastic Effects in Thin 3D-Printed Sound-Absorbing Metamaterials with High Tortuosity

Speaker

Tomasz G. Zieliński

16:00–16:20

A discontinuous Galerkin approach for the radiative transfer approximation of high-frequency wave energy in complex media

Speaker

David Chappell

16:20