

Session Program

8–12 Sept 2026

Forum Acusticum 2026

***A10.13/A12.07 Numerical methods for wave propagation in
complex media***

Friday 11 September

09:00

A10.13/A12.07 Numerical methods for wave propagation in complex media: P513

Session | Location: Messe Congress Graz, Messehalle (Poster+Exhibition) | Conveners: Paulo Amado-Mendes, Andrés Prieto

09:00–12:00

Nalu-Acoustics: A GPU-Accelerated High-Order Finite- Difference Solver for Acoustic Propagation with Application to Offshore Wind Farm Noise

Speaker

Eunkuk Son

12:00

14:40

A10.13/A12.07 Numerical methods for wave propagation in complex media: S072

Session | Location: Messe Congress Graz, Saal 2 | Conveners: Andrés Prieto, Paulo Amado-Mendes

14:40–15:00

Application of Time-Explicit Discontinuous Galerkin Method for Modelling of Small and Finite Amplitude Acoustic Propagation in Dissipative Fluids

Speaker

Kirill Shaposhnikov

15:00–15:20

A Timoshenko beam-based methodology to estimate the vibrational fatigue in pressurized industrial pipelines

Speaker

Andrés Prieto

15:20–15:40

Fourier-Neumann Numerical Models of Acoustic Propagation

Speaker

Ben T Cox

15:40