

Session Program

8–12 Sept 2026

Forum Acusticum 2026

***A12.06 Validation and Benchmarks in Computational
Acoustics***

Thursday 10 September

09:00

A12.06 Validation and Benchmarks in Computational Acoustics: P517

Session | Location: Messe Congress Graz, Messehalle (Poster+Exhibition) | Conveners: Marcus Maeder, Stefan Schoder

09:00–12:00

Multi-GPU k-Wave for Large-Scale Ultrasound Simulation: A Comparison of Global and Local FFT Approaches

Speaker

Oliver Kunik

12:00

16:20

A12.06 Validation and Benchmarks in Computational Acoustics: S084

Session | Location: Messe Congress Graz, Galerie B | Conveners: Stefan Schoder, Marcus Maeder

16:20–16:40

Benchmark Finite Element Model of a Building Acoustics Test Facility Based on DIN EN ISO 10140

Speaker

Sebastian Schmidt

16:40–17:00

Time or frequency domain? Choosing modelling approaches for sound propagation from simple moving sources

Speaker

Jan Simon

17:00–17:20

A new starting point for benchmarks in room acoustic simulations with CHORAS

Speaker

Maarten Hornikx

17:20–17:40

An extensible Benchmarking Framework for Computational Acoustics

Speaker

Ashwin Sadanand Nayak

17:40