

Session Program

8–12 Sept 2026

Forum Acusticum 2026

A23.02 Modelling & Simulation Techniques

Friday 11 September

08:40

A23.02 Modelling & Simulation Techniques: S163

Session | Location: Messe Congress Graz, Galerie A | Conveners: Giuseppe Petrone, Marcus Maeder

08:40–09:00 FreeFem++ for Pipette Aspiration

Speaker

Raphael Lamprecht

09:00–09:20

Unified High-Order 3D Finite-Element Framework for Vibroacoustic Frequency-Response Analysis

Speaker

Dario Magliacano

09:20–09:40

Non-contact low-frequency acoustic methods for detection of wall-thinning/delamination in pipes

Speaker

Mriganka Shekhar Chaki

09:40–10:00

Hybrid Modeling of Air Suspension for Chassis Module Force Transmissibility Prediction in NVH Analysis

Speaker

JOONGHWAN JANG

10:00

09:00

A23.02 Modelling & Simulation Techniques: P426

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

09:00–12:00

Developing a Measurement System to Determine Human Ear Canal Wall Mechanical Impedance in-situ: Effect and Suppression of Torsional Motions in the Prototype

Speaker

Marius Benkert

12:00

10:20

A23.02 Modelling & Simulation Techniques: S390

Session | Location: Messe Congress Graz, Galerie A | Conveners: Giuseppe Petrone, Marcus Maeder

10:20–10:40

Listening to the polymer melt flow – vibroacoustic process analysis

Speaker

Matthias Klaerner

10:40–11:00

Perceptual Impact of Particle Dampers on Electric Vehicle Powertrain Noise

Speaker

Braj Bhushan Prasad

11:00–11:20

Nonlinear passive absorbers for low-frequency broadband attenuation: design rules and experimental validation

Speaker
Rita Moussa

11:20–11:40

Dynamic Opto-Mechanical Response of Optical Fibers: Modeling and Interferometric Measurements

Speaker
Elliott Breton

11:40