

Session Program

8–12 Sept 2026

Forum Acusticum 2026

***A03.03 Prediction, digitalisation (BIM) and simulation in
building acoustics***

Thursday 10 September

08:40

A03.03 Prediction, digitalisation (BIM) and simulation in building acoustics: S015

Session | Location: Messe Congress Graz, Saal 5 | Conveners: Antonino Di Bella, Andrea Santoni, Edwin P.B. Reynders

08:40–09:00

Comparison of Airborne Sound Insulation Measured in Reduced Size and Full Size Test Openings

Speaker

Attila Balazs Nagy

09:00–09:20

Numerical analysis of the niche effect on the diffuse sound transmission loss of partition panels

Speaker

Michiel Lannoye

09:20–09:40

Window Glazing Systems Design for Indoor Drone Noise Mitigation

Speaker

Marco Oliveira

09:40–10:00

Accurate and efficient prediction of sound insulation in multilayered plasterboard walls with flexible metal stud frames

Speaker

Jasper Vastiau

10:00

09:00

A03.03 Prediction, digitalisation (BIM) and simulation in building acoustics: P427

Session | Location: Messe Congress Graz, Messehalle (Poster+Exhibition) | Conveners: Antonino Di Bella, Edwin P.B. Reynders, Andrea Santoni

09:00–12:00

An empirical study for the investigation of BIM acceptance in building acoustics

Speaker

Andrea Gerbotto

12:00

10:20

A03.03 Prediction, digitalisation (BIM) and simulation in building acoustics: S351

Session | Location: Messe Congress Graz, Saal 5 | Conveners: Andrea Santoni, Antonino Di Bella, Edwin P.B. Reynders

10:20–10:40

Acoustic performance of raw earth construction systems: Measurement and prediction

Speaker

Thibaut Blinet

10:40–11:00

Prediction of flanking sound transmission through periodic cross-laminated timber junctions with Bloch-Floquet analysis

Speaker

Stijn Moons

11:00–11:20

Digitalization of Acoustic Requirements in Building Design: Developing a bSDD within an Open BIM Framework

Speaker

Costantino Carlo Mastino

11:20–11:40

Reducing Vibration Transmission Through Thin Plate Junctions Using Resonant Metamaterial Strips

Speaker

Sofie Becuwe

11:40