

Session Program

8–12 Sept 2026

Forum Acusticum 2026

***A03.02 Measurements and experimental analysis in building
acoustics***

Wednesday 9 September

08:40

A03.02 Measurements and experimental analysis in building acoustics: S014

Session | Location: Messe Congress Graz, Galerie C | Conveners: Selina Vavrik-Kirchsteiger, Martin Schneider

08:40–09:00 Sound insulation of modular constructions

Speaker

Andreas Ruff

09:00–09:20 In-situ Measurement of the Sound Insulation of Building Elements

Speaker

Gustav Luckinger

09:20–09:40

Improvement on Nighttime Sound Insulation of Windows by external Shutters- Part 1: Measurement Results

Speaker

Joachim Hessinger

09:40–10:00

Improvement on Nighttime Sound Insulation of Windows by External Shutters – Part 2: Calculation of Weighted Sound Reduction Index

Speaker

Martin Schneider

10:00–10:20

Experimental Investigation of Spatial Sampling Requirements for Vibration-Based Sound Power Estimation of Lightweight Façade Systems

Speaker

Abhishek Singh

10:20

10:40

A03.02 Measurements and experimental analysis in building acoustics: S309

Session | Location: Messe Congress Graz, Galerie C | Conveners: Martin Schneider, Selina Vavrik-Kirchsteiger

10:40–11:00

On the use of dodecahedral sound sources for the field measurement of façade sound insulation according to the ISO 16283-3:2016 standard

Speaker

Luis Antonio Azpicueta-Ruiz

11:00–11:20

Influence of Fiber Diameter measurement techniques on Airflow Resistivity predicted by the Bies–Hansen Model

Speaker

Urska Kovacic

11:20–11:40

Floor Impact Sound Reduction Structures for Multi-Family Housing Renovation

	Speaker Won-Hak Lee
	11:40–12:00 Comparison of bending wave speed of viscoelastic panels using two approaches Speaker Ning Xiang
12:00	
14:20	
	A03.02 Measurements and experimental analysis in building acoustics: S310 Session Location: Messe Congress Graz, Galerie C Conveners: Martin Schneider, Selina Vavrik-Kirchsteiger
	14:20–14:40 Natural Rain and Droplet Impact Sound on ETFE Membrane and Cushion Systems Speaker Majid Lavasani
	14:40–15:00 Measurement of creep in the dynamic stiffness of resilient materials Speaker Charlotte Crispin
	15:00–15:20 Measurement of dynamic stiffness of resilient studs used for multilayer constructions Speaker Jukka Keränen
	15:20–15:40 Acoustic Characterisation of Steel Studs in Double-Leafed Walls Speaker Tilde Jemima S. Resare
15:40	
15:00	
	A03.02 Measurements and experimental analysis in building acoustics: P461 Session Location: Messe Congress Graz, Messehalle (Poster+Exhibition) Conveners: Martin Schneider, Selina Vavrik-Kirchsteiger
	15:00–18:00 Evaluation of Heavy-weight Floor Impact Sound using Tapping Machine Speaker JINYUN CHUNG
18:00	