

Session Program

8–12 Sept 2026

Forum Acusticum 2026

***A03.05 Structure-borne sound and noise from building
equipment***

Friday 11 September

09:00

A03.05 Structure-borne sound and noise from building equipment: P462

Session | Location: Messe Congress Graz, Messehalle (Poster+Exhibition) | Conveners: Andreas Mayr, Berndt Zeitler, Jochen Scheck

09:00–12:00 Web-application PreNoise® for predicting noise from building service equipment

Speaker

Sven Öhler

12:00

10:20

A03.05 Structure-borne sound and noise from building equipment: S017

Session | Location: Messe Congress Graz, Saal 12A | Conveners: Andreas Mayr, Berndt Zeitler, Jochen Scheck

10:20–10:40

Predicting Noise from Building Service Equipment - Review of the Current Situation and Future Research Needs

Speaker

Christoph Höller

10:40–11:00

Source characterisation for all building-like source-receiver conditions - use case heatpump

Speaker

Andreas Mayr

11:00–11:20

Force-based transfer functions for force-source conditions – Where simplification pays off

Speaker

Lukas Däuble

11:20–11:40

Direct Measurement of Structure-Borne Transfer Functions in One-Third- Octave Bands

Speaker

Gina Boschatzke

11:40–12:00

On the Room Correction of Transient Sound Pressure Levels Generated by Building Services

Speaker

Anna Rieger

12:00

14:20

A03.05 Structure-borne sound and noise from building equipment: S258

Session | Location: Messe Congress Graz, Saal 12A | Conveners: Berndt Zeitler, Jochen Scheck, Andreas Mayr

14:20–14:40

Modal Transfer Matrix Modeling of Multilayered Plates under Point Force Excitation in Building Acoustics

Speaker

Korbinian Schwab

14:40–15:00

Characterisation of Sanitary Installations as Sound Sources – what do we have, what do we need?

Speaker

Jochen Scheck

15:00–15:20

Experimental Study on Noise Reduction of Drainage Pipes using Acoustic Materials: Comparison between Simplified Laboratory and In-situ Measurements**Speaker**

So-young Kim

15:20–15:40

Acoustic performance of wastewater installation systems in heavy and lightweight buildings considering source- receiver mobility interaction**Speaker**

Sven Öhler

15:40–16:00

Experimental Verification of Simulated Blocked Forces in Wastewater System using the Empirical Model of Water-Flow Excitation**Speaker**

Yohko Aoki

16:00