

Session Program

8–12 Sept 2026

Forum Acusticum 2026

***A16.02 Reliable Characterization of Acoustic Absorption,
Reflection, and Scattering***

Wednesday 9 September

09:00

A16.02 Reliable Characterization of Acoustic Absorption, Reflection, and Scattering: P482

Session | **Location:** Messe Congress Graz, Messehalle (Poster+Exhibition) | **Conveners:**
Mélanie Nolan, Jonathan A. Hargreaves, Marco Berzborn

09:00–12:00

Exploring practical approaches to sound absorption measurement: validating a repurposed space as a small-scale reverberation room

Speaker

David Bosonin

12:00

14:20

A16.02 Reliable Characterization of Acoustic Absorption, Reflection, and Scattering: S114

Session | **Location:** Messe Congress Graz, Saal 12B | **Conveners:** Marco Berzborn, Mélanie Nolan, Jonathan A. Hargreaves

14:20–14:40

A Stochastic Modal Energy Decay Model for the Estimation of Absorption

Speaker

Marco Berzborn

14:40–15:00

Increasing reliability in tube measurements for characterization of porous materials

Speaker

Ziqi Chen

15:00–15:20

Estimating Material Absorption Coefficients Using the Sound Field Scanning Method

Speaker

Antoine Decloux

15:20–15:40

Impact of Positioning Errors in the Two-microphone Method for Surface Impedance Measurements

Speaker

Jonas Heck

15:40–16:00

In Situ Characterization of Non-Planar Sound Absorbers Using Physics-Informed Neural Operators

Speaker

Jonas M. Schmid

16:00

16:20

A16.02 Reliable Characterization of Acoustic Absorption, Reflection, and Scattering: S410

Session | **Location:** Messe Congress Graz, Saal 12B | **Conveners:** Jonathan A. Hargreaves, Marco Berzborn, Mélanie Nolan

16:20–16:40

Experimental and numerical investigation of acoustic scattering using boostlets

Speaker

Augusto Fantinelli

16:40–17:00

Challenges in scattering properties characterization of 3D- printed hybrid acoustic materials

Speaker

Louena Shtrepi

17:00–17:20

Simulation of the acoustics in open-air venues using bidirectional scattering**Speaker**

Anne Heimes

17:20–17:40

Bayesian Impedance Estimation in Room Acoustics Using Model Order Reduction**Speaker**

Matthias Blau

17:40–18:00

In-situ Estimation of Sound Absorption Coefficients at Grazing Incidence with Boostlets**Speaker**

Arif Onur Yurek

18:00