

**Session Program**

**8–12 Sept 2026**

**Forum Acusticum 2026**

***A12.08/A16.12 Numerical Methods for Room Acoustics***

# Thursday 10 September

09:00

## A12.08/A16.12 Numerical Methods for Room Acoustics: P507

Session | Location: Messe Congress Graz, Messehalle (Poster+Exhibition) | Conveners: Maarten Hornikx, Albert Prinn

09:00–12:00 Surface segmentation for acoustic radiance transfer modeling: a case study

Speaker

Matteo Scerbo

12:00

09:00

## A12.08/A16.12 Numerical Methods for Room Acoustics: S085

Session | Location: Messe Congress Graz, Saal 12A | Conveners: Maarten Hornikx, Albert Prinn

09:00–09:20

Wave-based simulation of a benchmark room with detailed diffuser modeling and surface scattering

Speaker

Jan Wouter Smits

09:20–09:40

Wave-based simulation of a small reverberation room with local and extended reaction modeling

Speaker

Jan Wouter Smits

09:40–10:00

A Surface-Based Geometrical Acoustics Algorithm Including Diffraction

Speaker

Jonathan A. Hargreaves

10:00

10:20

## A12.08/A16.12 Numerical Methods for Room Acoustics: S504

Session | Location: Messe Congress Graz, Saal 12A | Conveners: Albert Prinn, Maarten Hornikx

10:20–10:40

Experimental measurements of the diffusion coefficient for the diffusion equation of the Schoenenbourg fort tunnels

Speaker

Ilaria Fichera

10:40–11:00

Characterisation of Sweeping Echo Intensity Patterns in Shoebox-shaped Rooms: A Computational Study

Speaker

Andrea Andrijasevic

11:00–11:20

Room Ratio Optimisation for Listening Rooms with Non-Rigid Boundaries

Speaker

Paul Simon

11:20–11:40

Physics-Informed Neural Networks for Room-Acoustic Simulations within Bayesian Framework

11:40

**Speaker**  
Ning Xiang