



FORUM ACUSTICUM EURONOISE 2025

Satellite Event

Design and modelling in building acoustics

Join us for our satellite event **Design and modelling in building Acoustics**, organized by the EAA TC RBA Room and Building acoustics.

Date: Saturday, June 21, until Sunday, June 22, 2025, preceding the Forum Acusticum Conference (FA2025).

This event will be held in parallel to the Forum Acusticum Summer School

Place: [Universidad de Málaga](#), Spain.

Preliminary program

Day 1. 21st June, 2025

8:30 – 9:00	Registration
9:00 – 9:15	Welcome and overview of the satellite event
9:15 – 10:30	The vital role of building acoustics construction: From design to conformance with regulations, with an insight into health and protection against noise Fredrik Ljunggren (Luleå University of Technology, Sweden)
10:30 - 11:00	Coffee break
11:00 – 12:00	Modelling methods in building acoustics: Predicting sound insulation in buildings Carl Hopkins (University of Liverpool, UK)
12:00 - 13:00	Plenary session I. Deep learning, AI and acoustics <i>(Joint plenary session with the Forum Acusticum Summer School)</i> Hamid Krim (North Carolina State University, US)
13:00 – 14:00	Lunch
14:00 – 14:45	Innovations in acoustic predictions for wooden buildings Stefan Schoenwald (EMPA, Switzerland)
14:45 – 15:30	Acoustic prediction compared to in situ measurement for multi-storey timber buildings Andreas Rabold (TH Rosenheim, Germany)
15:30 - 16:00	Coffee
16:00 – 17:30	Workshop: Modelling elements in building acoustics: An overview Case-studies: Transfer Matrix Method - MATLAB Andrea Santoni (University of Ferrara, Italy)
17:30	End of first day



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Day 2. 22nd June, 2025

- 9:00 – 10:00 **Best practices for managing noise from heat pumps and ventilation systems**
Jack Harvey-Clark (Apex Acoustics Ltd, UK)
- 10:00-10:45 **Ventilation noise in dwellings. Predictions and measurements**
Arne Dijckmans (Buildwise, Belgium)
- 10:45 - 11:00 **Coffee break**
- 11:00 – 12:00 **Addressing structure borne sound from building services. Modelling and best practices**
Christoph Hoeller (OTH Regensburg, Germany)
- 12:00 – 13:00 **Ground borne noise. Prediction and reduction**
Michel Villot (MV Expert, Sound and Vibration, France)
- 13:00 – 14:00 **Lunch**
- 14:00 – 15:00 **The architect perspective: Integrating acoustics from design to completion**
Alexander Diaz-Chyla (UPM, Spain)
- 15:00- 15:30 **Workshop: Improving sound insulation in buildings**
Birgit Rasmussen (University of Aalborg, Denmark)
- 15:30-16:00 **Coffee**
- 16:00-17:00 **Workshop: Building acoustic regulations and classification schemes across Europe**
Birgit Rasmussen (University of Aalborg, Denmark)
- 17:00 – 17:30 **Closure/test***
*An evaluation test is scheduled for students. By completing the full course and passing the evaluation, students can earn 1 ECTS credit.