

Session Program

8–12 Sept 2026

Forum Acusticum 2026

A03.04 Acoustics of wooden buildings

Friday 11 September

08:40

A03.04 Acoustics of wooden buildings: S016

Session | Location: Messe Congress Graz, Galerie C | Conveners: Jean-Luc Kouyoumji, Heinz Ferk

08:40–09:00

Heavy fillings on CLT floors I – Comparative Analysis of Impact Sound Pressure Levels in Small-Scale Tests

Speaker

Christian Lux

09:00–09:20

Heavy fillings on CLT floors II – correlation of the material properties and its acoustic performance

Speaker

Alexander Stenitzer

09:20–09:40

Design Implications for Impact Sound Insulation in Timber Floors: Experimental Results on CLT Assemblies

Speaker

Leonardo Luison

09:40–10:00

Accurate and Efficient Prediction of Sound Insulation using Soprano: a Robust Method validated with Floating Floors

Speaker

Bart Van de Velde

10:00

10:20

A03.04 Acoustics of wooden buildings: S393

Session | Location: Messe Congress Graz, Galerie C | Conveners: Jean-Luc Kouyoumji, Heinz Ferk

10:20–10:40

Critical Issues during ISO 10848-1 Measurements of CLT Junctions with Resilient Interlayers

Speaker

Vincenzo Pettoni Possenti

10:40–11:00

The effect of static preloading on flanking sound transmission through cross-laminated timber junctions with resilient elements

Speaker

Paulo Pinto

11:00–11:20

Flanking sound transmission reduction through a decoupled CLT floor

Speaker

Vincenzo Pettoni Possenti

11:20–11:40

Analysis of flanking sound transmission at floor– wall junctions in timber buildings

Speaker

Stefan Schoenwald

11:40–12:00

Kij measurement in flanking transmission test facility to predict sound insulation for wooden multistorey buildings**Speaker**

Jean-Luc Kouyoumji

12:00

14:20

A03.04 Acoustics of wooden buildings: S394**Session** | **Location:** Messe Congress Graz, Galerie C | **Conveners:** Jean-Luc Kouyoumji, Heinz Ferk

14:20–14:40

Fast three-dimensional analysis of the airborne and impact sound insulation of finite-sized cross-laminated timber panels**Speaker**

Edwin P.B. Reynders

14:40–15:00

Challenges in modelling plate contact conditions in cross-laminated timber junctions: a numerical-experimental investigation**Speaker**

Antonio Esposito

15:00–15:20

Raw earth brick walls and wood elements - Junctions characterization and sound insulation**Speaker**

Catherine Guigou-Carter

15:20–15:40

Rain Sound Insulation of Timber Roofs — Influence of Roof Cladding, PV Panels and Roof Windows**Speaker**

Bernd Nusser

15:40