

Session Program

8–12 Sept 2026

Forum Acusticum 2026

***A03.08/A05.07 Heat pump acoustics in residential
environments***

Friday 11 September

09:00

A03.08/A05.07 Heat pump acoustics in residential environments: P463

Session | Location: Messe Congress Graz, Messehalle (Poster+Exhibition) | Conveners: Christoph Reichl, Jack Havie-Clark

09:00–12:00

A Field Study of Air Source Heat Pump Noise Levels and Propagation in a UK Housing Development

Speaker

Katie Salter

12:00

09:00

A03.08/A05.07 Heat pump acoustics in residential environments: S020

Session | Location: Messe Congress Graz, Saal 5 | Conveners: Jack Havie-Clark, Christoph Reichl

09:00–09:20

Toward Standardized Directivity-Resolved Acoustic Data for Heat Pump Placement: Progress and Results from IEA HPT Annex 63

Speaker

Christoph Reichl

09:20–09:40

Towards Modelling Guidelines for Domestic Air Source Heat Pumps

Speaker

Jack Harvie-Clark

09:40–10:00

Linking 2D Noise Mapping and 3D Augmented Reality for Heat Pump Acoustic Planning

Speaker

Christoph Reichl

10:00

10:20

A03.08/A05.07 Heat pump acoustics in residential environments: S382

Session | Location: Messe Congress Graz, Saal 5 | Conveners: Jack Havie-Clark, Christoph Reichl

10:20–10:40

Towards an In-Situ Measurement Protocol for Sound from Domestic ASHPs

Speaker

Jack Harvie-Clark

10:40–11:00

Annoyance Ratings of Heat Pump Noise in Different Auralised Scenarios

Speaker

Lara Stürenburg

11:00–11:20

Varying disturbance of a recreational task during an air-source heat pump defrosting cycle

Speaker

Christian Kasess

11:20

14:40

A03.08/A05.07 Heat pump acoustics in residential environments: S387

Session | Location: Messe Congress Graz, Saal 5 | Conveners: Jack Havie-Clark, Christoph Reichl

14:40–15:00

Exploring the Roles of Loudness and Sound Character in Heat Pump Noise Annoyance

Speaker
Julian Becker

15:00–15:20 **Impact of Acoustic Character on Human Response to Heat Pump Noise**

Speaker
Katie Salter

15:20–15:40

Metamaterial-Based Noise Control Strategies for Residential Heat Pump Ventilation Ducts: Methods and Design Principles

Speaker
Gioia Fusaro

15:40