

Session Program

8–12 Sept 2026

Forum Acusticum 2026

A14.08 Computational and AI approaches in audiology

Thursday 10 September

08:40

A14.08 Computational and AI approaches in audiology: S105

Session | Location: Messe Congress Graz, Saal 10 | Conveners: Mark Saddler, Volker Hohmann

08:40–09:00

Non-intrusive, deep-learning-based prediction of speech intelligibility and listening effort across diverse acoustic scenarios

Speaker

Hartmut Schoon

09:00–09:20

A Deep Learning Framework for Understanding Cochlear Implants

Speaker

Annesya Banerjee

09:20–09:40

Local Interpretable Model-Agnostic Explanation (LIME) For Predicting Loudness Classes From Electroencephalography (EEG) Data

Speaker

Christian Koch

09:40–10:00

Harmonizing and Integrating Audiological Data through Data-Driven and Model-Based Approaches

Speaker

Mareike Buhl

10:00

10:20

A14.08 Computational and AI approaches in audiology: S332

Session | Location: Messe Congress Graz, Saal 10 | Conveners: Volker Hohmann, Mark Saddler

10:20–10:40

Mapping the Hearing Loss Landscape: A Data-Driven Phenotyping Framework Beyond Pure-Tone Audiometry

Speaker

Gerard Encina-Llamas

10:40–11:00

Towards Portable Inclusive Automated Hearing Assessments for All: the ATHENA Project

Speaker

Gloria Araiza-Illan

11:00–11:20

Remote Cochlear Implant Fitting in Real-Life Listening Situations

Speaker

Jan-Willem Wasmann

11:20–11:40

Individualized, App-Based Phoneme Training for Adult CI Users at Home

Speaker

Jan-Willem Wasmann

11:40