

Session Program

8–12 Sept 2026

Forum Acusticum 2026

***A12.11/A20.06 Fluid-structure-acoustic interaction in voice
and speech generation***

Friday 11 September

14:20

A12.11/A20.06 Fluid-structure-acoustic interaction in voice and speech generation: S087

Session | Location: Messe Congress Graz, Galerie B | Convener: Stefan Kniesburges

14:20–14:40

Design and Validation of a Cyber-Physical Laryngeal Model of Vocal Fold Posturing

Speaker

Ishtiaq Ahmed

14:40–15:00

Aeroacoustic Analysis of Prescribed Vocal Fold Motion in the SimVoice Benchmark using Wall-Modelled Large-Eddy Simulation

Speaker

Thomas Brunner

15:00–15:20

Aeroacoustic Simulation of Soft Phonation Employing a Kinematic Model of Mucosal Waves

Speaker

Jan Valášek

15:20–15:40

Experimental and simulation based investigation of mucosal waves

Speaker

Manfred Kaltenbacher

15:40–16:00

Impact of Dental Morphology on the Aeroacoustic Production of the Fricative [s]: A Numerical Study Comparing Neanderthal and Modern Human Dentition

Speaker

Honorine Bertrand

16:00