

Session Program

8–12 Sept 2026

Forum Acusticum 2026

A11.01 Nonlinear dynamics in musical instruments

Wednesday 9 September

16:40

A11.01 Nonlinear dynamics in musical instruments: S074

Session | Location: Messe Congress Graz, Saal 10 | Convener: Rolf Bader

16:40–17:00

Inverse-Problem solution in musical acoustics using machine-learning analysis of parameter variations of a Dulcken cembalo from 1765

Speaker

Rolf Bader

17:00–17:20

Dynamic Regime Changes in the Impulse Pattern Formulation: From Mathematical Analysis to Musical Dynamics and Articulation

Speaker

Simon Linke

17:20–17:40

Experimental Study of the Influence of Mouth Cavity Size and Vocal Tract Constriction on the Recorder Sound

Speaker

Naomi Nordblom

17:40–18:00

On the Use of Dynamical Systems Descriptors for the Psychoacoustic Characterization of Playing Techniques in African-Rooted Percussion Instruments

Speaker

Cristhiam Fidel Martínez Orellanos

18:00