

Session Program

8–12 Sept 2026

Forum Acusticum 2026

A02.01 Machine Learning in Bioacoustics

Tuesday 8 September

13:40

A02.01 Machine Learning in Bioacoustics: S008

Session | Location: Messe Congress Graz, Saal 3 | Conveners: Jure Zeleznik, Daniel Haider

13:40–14:00

F0 Contour Extraction and Pattern Analysis of Rumbles from African Savanna Elephants

Speaker

Daniel Haider

14:00–14:20

On the Effects of Tightness and Frequency Resolution in Bioacoustic Classification

Speaker

Clara Hollomey

14:20–14:40

Mitigating Domain Shift in Bird Call Recognition

Speaker

Stephen Marsland

14:40–15:00

Machine Learning to Study Individual Budgerigar Vocalizations in a Social Setting

Speaker

Zsófia Katona

15:00

14:00

A02.01 Machine Learning in Bioacoustics: P423

Session | Location: Messe Congress Graz, Messehalle (Poster+Exhibition) | Conveners: Daniel Haider, Jure Zeleznik

14:00–17:00

Activity-Aware Denoising for Weakly Labelled Insect Sound Classification

Speaker

Florian Krebs

14:00–17:00

A Lightweight MiniROCKET-Based Pipeline for Bat Echolocation Call Detection and Classification with Anomaly Filtering

Speaker

Sercan Alipek

14:00–17:00

CowTalk: Deep Learning-Based Acoustic Monitoring of Cattle for Vocal Activity Detection

Speaker

Ignasi Nou-Plana

17:00

15:20

A02.01 Machine Learning in Bioacoustics: S252

Session | Location: Messe Congress Graz, Saal 3 | Conveners: Daniel Haider, Jure Zeleznik

15:20–15:40

Deep-Learning-Based Detectors For the Calls of the Shallow Water Common Spadefoot Toad (*Pelobates fuscus*)

Speaker

Guillaume Dutilleux

15:40–16:00

Sound Synthesis and Physics-Based Data Augmentation for the Detection of Eurasian Lynx Calls

Speaker

Guillaume Dutilleux

16:00–16:20

Evaluating unsupervised clustering of deep embeddings for unknown species identification in bioacoustics

Speaker

Vincent S. Kather

16:20–16:40

Evaluating Noise Reduction for Underwater Bioacoustic Event Detection Using Synthesised Acoustic Recordings

Speaker

Bram Cuyx

16:40