

# Cognitive neuroscience of auditory and cross-modal perception

The 3rd Workshop on

29 – 31

May 2017

Košice, Slovakia

## About:

- ▲ Topics: *neural processes of auditory, visual and cross-modal perception*, as well as other **interdisciplinary** topics in **computational and cognitive neuroscience**.
- ▲ Main focus: *adaptation, learning and training*.
- ▲ Target audience: *early-stage and advanced students and young researchers*.

## Format:

- ▲ 1/2-day sessions, including invited talks, contributed talks, and posters

## Venue:

- ▲ Lecture hall 2.17T, Faculty of Science / Technicom building, P. J. Šafárik University, Jesenná 5, 04001, Košice, Slovakia.

## Speakers and lecture topics:

- ▲ **Lauren Calandruccio**, Case Western Reserve University: "Informational masking for speech-on-speech recognition."
- ▲ **Lina Reiss**, Oregon Health & Science University: "(Mal?) Adaptation of pitch and binaural integration to abnormal auditory experience."
- ▲ **Inyong Choi**, University of Iowa: "Neurofeedback training of complex listening."
- ▲ **Mathieu Lavandier**, École Nationale des Travaux Publics de l'État – Université de Lyon: "A potential effect of vision on sound externalization and auditory distance perception?"
- ▲ **Micheal Dent**, University at Buffalo: "The perception of auditory scenes by birds."
- ▲ **Lubica Beňušková**, Comenius University, Bratislava: "Current concepts in modelling the long-term synaptic plasticity in the mammalian brain."
- ▲ **Anita Wagner**, University of Groningen: "From hearing to understanding: automatic and effortful processes in speech perception."
- ▲ **Zbyněk Bureš**, Czech Academy of Science, Prague: "Learning to hear – the effect of acoustic environment during ontogeny on audition and sound perception."
- ▲ **Petteri Hyvärinen**, University of Helsinki: "Online ILD training for tinnitus."
- ▲ **Virginia Best**, Boston University: "Do listeners refine their spatial tuning over time in multitalker mixtures?"
- ▲ **István Ulbert**, Hungarian Academy of Sciences: "Neural responses evoked by auditory stimulation during the sleep-wakefulness cycle in the cat."
- ▲ **Gábor Háden**, Hungarian Academy of Sciences: "Beat perception and temporal processing in infants."
- ▲ **Erick Gallun**, National Center for Rehabilitative Auditory Research, Portland and OHSU: "Applying the state of the art in research and technology to train auditory processing with engaging computer games."
- ▲ **Bernhard Laback**, Austrian Academy of Sciences: "Psychophysical and modeling approaches towards determining the cochlear phase based on interaural time differences."
- ▲ **Norbert Kopčo**, P. J. Šafárik University in Košice: "Adaptive Processes in Distance Perception."
- ▲ **Petr Marsalek**, Charles University of Prague and Max Planck Institute for the Physics of Complex Systems: "Perception across sound and space modalities at the level of neural responses."
- ▲ **Carlos Trenado**, Duesseldorf University Hospital: "Sensorimotor improvement by stochastic resonance."
- ▲ **Piotr Majdak**, Austrian Academy of Sciences, Vienna: "The role of listener-specific factors in binaural sound reproduction."



## Organizers:

Norbert Kopčo, P. J. Šafárik University in Košice  
Erick Gallun, National Center for Rehabilitative Auditory Research, Portland and OHSU  
Piotr Majdak, Austrian Academy of Sciences, Vienna  
Aaron Seitz, University of California, Riverside

Registration: **Free but required**

More info: <http://pcl.upjs.sk/workshop2017>

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