The 4th Workshop on

Cognitive neuroscience of auditory and cross-modal perception

3 – 5 June 2019

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 in spatial perception and cognition**.
- Target audience: **early-stage and advanced students** and **young researchers**.

Format:

- 5 sessions involving invited and 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:

- **Jana Bašnáková**, Slovak Academy of Sciences: 'It's hard to give a good talk' – the neural correlates of interpreting implicit meaning
- **Robert Baumgartner**, Austrian Academy of Sciences: Effects of spatial auditory cue realism on selective attention control and future perspectives on studying perceptual learning of these cues across the human lifespan
- **Virginia Best**, Boston University, USA: Investigating a visually guided hearing aid
- **Lauren Calandruccio**, Case Western Reserve University, USA: Masked-sentence recognition: the effect of target and masker speech similarity
- **Inyong Choi**, The University of Iowa, USA: Adapting to simultaneous electric and acoustic stimulation for word-in-noise recognition in listeners with single-sided deafness
- **John Culling**, Cardiff University, UK: Speech intelligibility in rooms
- **Erick Gallun**, National Center for Rehabilitative Auditory Research, USA: Flipping the laboratory: Clinical research tools for bringing psychoacoustical testing to the patient
- **Andrej Kráľ**, Hannover Medical School, Germany: Effective connectivity between primary and secondary cortical areas is shaped by early hearing
- **Norbert Kopčo**, P. J. Šafárik University, Slovakia: Adaptation to reverberation in speech and distance perception
- **Bernhard Laback**, Austrian Academy of Sciences: Re-weighting of binaural cues based on visual feedback
- **Piotr Majdak**, Austrian Academy of Sciences: Computational models for listener-specific predictions of spatial audio quality
- **Petr Maršálek**, Charles University, Czech Republic: Just noticeable differences in low frequencies below 500 Hz, loudness, localization; model and psychophysics
- **Catarina Mendonça**, University of Azores, Portugal: Changes in auditory space following audiovisual experience
- **Josefa Oberem**, RWTH Aachen University, Germany: Examining auditory selective attention in complex acoustic environments
- **John van Opstal**, Radboud University, Netherlands: Perceived target range shapes human sound-localisation behaviour
- **Nelli Salminen**, Aalto University, Finland: Neural correlates of human spatial hearing measured with EEG and MEG
- **Dan Sanes**, New York University, USA: Learning and attention enhance cortex neuron sensitivity during auditory task performance
- **Aaron Seitz**, University of California, USA: Gamifying perceptual learning
- **Filip Smolík**, Academy of Sciences of the Czech Republic: Adaptation and learning in early language acquisition
- **Brigitta Tóth**, Hungarian Academy of Sciences: Top-down and bottom-up attention bias on change detection in auditory foreground and background
- **Beverly Wright**, Northwestern University, USA: Auditory perceptual learning

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 Science, Vienna
Aaron Seitz, University of California, Riverside

Registration: **Free but required** (kogneuro@gmail.com)
More info: **http://pcl.upjs.sk/workshop2019**

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