

Joint Conference on Binaural and Spatial Hearing (BASH) 2021

Thursday October 7th 2021

Session A – Behavior and Modeling

Thursday 7:00-9:00 Boston / 13:00-15:00 Oldenburg / 22:00-24:00 Sydney

- 1 John Culling Minimum audible angles in the front and rear hemifields
- 2 Julian Angermeier Modelling Spatial Release from Masking in the Presence of Large Interaural Delays
- 3 Jaime Undurraga The neural representation of interaural time cues in the human cortex
- 4 Anna Dietze On the Effects of Stroke Lesions on Binaural Hearing
- 5 Jörg Encke Modelling binaural unmasking based on stimulus coherence

Session B – Modeling and Physiology

Thursday 9:20-11:00 Boston / 15:20-17:00 Oldenburg / Friday 0:20-2:00 Sydney

- 1 Paul Kranzusch Modeling of binaural speech recognition using Framework For Auditory Discrimination Experiments
- 2 Clara Hollomey The Auditory Modeling Toolbox
- 3 Lindsey Van Yper Effects of intensity on the interaural phase modulation following response
- 4 Philip Joris ITDs of transients: when the lateral olive is superior to the medial
- 4 Erick Gallun Exploring sensitivity to dichotic frequency modulation

Session C – Physiology and Behavior

Thursday 16:00-18:00 Boston / 22:00-24:00 Oldenburg / Friday 7:00-9:00 Sydney

- 1 Les Bernstein Topic: "Slight" hearing loss, binaural detection, and binaural interference
- 2 Sam Mathias Genetics of solving the cocktail-party problem
- 3 ~~Erick Gallun Exploring sensitivity to dichotic frequency modulation (To session B)~~
- 4 Juan Pablo Faundez IPM-FR and ACC to IPD transitions
- 5 Bill Yost Cognitive Spatial Maps and Sound-Source Localization
- 6 Philip Joris ITDs of transients: when the lateral olive is superior to the medial (From session B)

Friday October 8th 2021

Session D – Behavior, Modeling, and Virtual Reality

Friday 6:20-8:40 Boston / 12:20-14:40 Oldenburg / 21:20-23:40 Sydney

- 1 Pedro Lladó Auditory model based estimation of the effect of head worn devices on horizontal localization
- 2 Merle Gerken Interactive Demonstrator for Simulating Speech Recognition Performance in Virtual Rooms
- 3 Maria Gallagher Multisensory Integration of Audio-Visual Motion Cues during Active Self-Movement
- 4 Lorenzo Picinali HRTF accommodation in VR - can perceptual learning generalise to non-trained HRTFs?
- 5 David Poirier-Quinot Evaluation of HRTF learning efficiency: methodology and cross-study comparison.
- 6 Janina Fels and Carolin Reimers Auditory selective attention in a virtual classroom

Session E – Behavior and Virtual Reality

Friday 9:00-11:00 Boston / 15:00-17:00 Oldenburg / Saturday 0:00-2:00 Sydney

- 1 Jonas Braasch Modeling the precedence effect for complex room environments
- 2 Gin Best Binaural consequences of speech envelope enhancement
- 3 Norbert Kopčo Spectral and binaural cue reweighting for sound localization in real and virtual environments
- 4 Chris Stecker Using VR headsets to remotely measure localization weighting functions
- 5 Jan Schnupp Hearing ITDs with cochlear implants: the trouble with envelopes

Session F – Physiology and Behavior

Friday 16:00-18:00 Boston / 22:00-24:00 Oldenburg / Saturday 7:00-9:00 Sydney

- 1 Yi Zhou Hemispherical tuning oversimplifies the diversity of single-unit spatial responses in the auditory cortex
- 2 Heivet Hernandez-Perez Disrupting learning of rooms with Transcranial Magnetic Stimulation
- 3 Ravinderjit Singh The Binaural System is not uniquely sluggish. Cortical processing of all auditory cues is sluggish
- 4 Keerthi Doreswamy Neural correlates of auditory distance perception