

Joint Conference on Binaural and Spatial Hearing (BASH) 2023

Thursday November 2nd 2023

Session 1: Thursday 8:00-12:15 Omaha / 14:00-18:15 Oldenburg

- 1 Matt Goupell Dominant-channel theory
- 2 Gin Best Relating modulation sensitivity to envelope ITD sensitivity (remote)
- 3 Nicole Rosskothén-Kuhl Can cochlear implanted rats given jittered input develop good ITD sensitivity? (remote)
- 4 Chenggang Chen Cortical patches and map of auditory space
- 5 Robert Baumgartner Localization bias and spatial disparity (remote)

10:00-10:15 Break

- 6 Monica Folkerts Electrophysiological measures of spectral weighting for lateralization
- 7 Lindsey Van Yper Investigating binaural unmasking using NIRS (remote)
- 8 Ellen Peng Adaptive approaches to measuring spatial release from masking
- 9 Yi Zhou Spatial release from masking – how does auditory cortex do it? (remote)
- 10 Bonnie Lau Neural spatial release from masking in infants and/or children (remote)

Thursday 12:15-13:15 Omaha: Lunch

Session 2: Thursday 13:15-17:30 Omaha / 19:15-23:30 Oldenburg

- 1 Emily Buss Spectral weights for localization and masked speech recognition
- 2 Noro Kopčo Passively induced contextual plasticity in sound localization vs source separation (remote)
- 3 Rodrigo Pavão Azimuth estimation with varying cue combinations (remote)
- 4 Bill Hartmann ILD and ITD in a room (remote)
- 5 Torben Pastore Modeling the precedence effect

15:15-15:30 Break

- 6 Dan Shub Contralateral interference on digit identification (remote)
- 7 Sagarika Alavilli Measuring and modeling natural sound localization (remote)
- 8 Yusuke Hioka Speech perception in noise under virtual acoustic environments (remote)
- 9 Owen Brimijoin Parametric binaural audio
- 10 Nathan Higgins Spatial hearing with and without head movement

Thursday 17:30-18:00 Omaha: caravan to Chris Stecker's house or meet there

Joint Conference on Binaural and Spatial Hearing (BASH) 2023

Friday November 3rd 2023

Session 3: Friday 8:00-12:55 Omaha / 14:00-18:55 Oldenburg

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|--------------------------|---------------------------------|---|
| 1 | Andrew Brown | Bonefied binaural hearing |
| 2 | Martijn Agterberg | Superior sound localization abilities with bilateral middle ear implants for patients with bilateral conductive hearing loss (remote) |
| 3 | Sina Buchholz | Level-dependent hearing protection can switch the perception of sound direction (remote) |
| 4 | Mark Riggle | The 27-year-old externalization monkey wrench (remote) |
| 9:40-9:50 Break | | |
| 5 | Antje Ihlefeld | Elevation JNDs – half of what they used to be |
| 6 | Neil Zhang | Grid-agnostic personalized HRTF modeling (remote) |
| 7 | Prajna Beladakere Krishnamurthy | Does sensitivity to interaural coherence changes correlate with binaural fusion performance? (remote) |
| 11:05-11:15 Break | | |
| 8 | Liz McCullagh | Binaural hearing in fragile X syndrome |
| 9 | Nirmal Srinivasan | Pupilometry and localization (remote) |
| 10 | Prasanth Prabhu | Binaural spatial perception in individuals with misophonia (remote) |
| 11 | Dan Tollin | Optimizing stimuli to measure the binaural interaction component (BIC) |

Friday 12:55 Omaha: adjournment. Lunch / explore on your own. Possible tours