

Joint Conference on Binaural and Spatial Hearing (BASH) 2024

note: presentation topics are listed as a rough guide only and are not formal titles

Thursday November 7th 2024

Session 1: Thursday 8:00-12:15 (Omaha, US Central Standard Time)

- 1 Gin Best Revisiting BILD for speech vs noise maskers
- 2 Doug Brungart Binaural hearing in fitness-for-duty evaluations
- 3 Tobias Greif Head movements and spatial perception with hearing aids (remote)
- 4 Brittany Williams Spatial release from masking and lateralization
- 5 Udbhav Singhal Binaural-cue reweighting induced by discrimination training

10:00-10:15 Break

- 6 Ellen Peng Spatial hearing in reverberation by children
- 7 Emily Buss Assessing spatial hearing in CI users
- 8 Sarah Buchholz ITD / ILD interactions in spatial hearing with cochlear implants (remote)
- 9 Monica Folkerts Interaural coherence and age
- 10 Anhelina Bilokon Relationship between basic binaural processing, functional outcomes, and audiometric assessments

Thursday 12:15-13:15 Omaha: Lunch

Session 2: Thursday 13:15-17:30

- 1 Dan Shub Effects of hearing loss on N0Spi detection
- 2 Sara Momtaz Spatial hearing in unilateral hearing loss
- 3 Rodrigo Pavao Optimal coding in auditory spatial perception (remote)
- 4 Theo Goverts Acoustic realism of clinical tests: speech-likeness and interaural coherence
- 5 Yi Zhou Frontal preference of spatial "edges" in Marmoset AC (remote)

15:15-15:30 Break

- 6 Catherine Carr Plasticity in ITD circuits
- 7 Chris Conroy Temporal weighting of auditory spatial cues by macaque monkeys (remote)
- 8 Nirmal Srinivasan *A priori* information and binaural processing
- 9 Nate Higgins Influence of binaural cues on auditory stream segregation
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Thursday 17:30-18:00 Omaha: caravan to Chris Stecker's house or meet there

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Friday November 8th 2024

Session 3: Friday 8:00-12:15

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| 1 | Dan Tollin | BIC of the ABR in Human compared to lateralization performance |
| 2 | Harshada Mali / K.V. Nisha | Early Detection of Age-Related Spatial Hearing Changes: Comparing Four Measures (remote) |
| 3 | Katarina Poole | Numerical and perceptual differences between measured and synthesised HRTFs (remote) |
| 4 | Nils Marggraf-Turley | Comparative analysis of EEG-based sound location decoding between real and virtual listening (remote) |
| 5 | Lakshmi Govindarajan | Computational framework for sound localization in auditory scenes (remote) |

10:00-10:15 Break

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| 6 | Roland Ferger | Extending NWB to represent spatial auditory stimuli |
| 7 | Bill Yost | ACTUAL sound-source localization (remote) |
| 8 | Rich Freyman | Factors affecting the frequency limits of ITD discrimination (remote) |
| 9 | Chris Stecker | Frequency and rate limitations in binaural hearing |
| 10 | Matt Goupell | Possibly even more about frequency limits in binaural hearing |

Friday 12:15: adjournment. Lunch / explore on your own. Possible tours