**Virtual Midwest Conference on Cochlear Implants (CI CRASH) & Mid-Atlantic Symposium on Hearing (MASH) Joint Meeting**

**October 15-16, 2021 Live on Zoom**

**Meeting Overview (All times are listed in Central Time)**

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<th>Date</th>
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<td>Friday, October 15th</td>
<td>9:00am-9:20am</td>
<td>Welcome</td>
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<td>9:20am-11:00am</td>
<td>Talks Moderated by Ruth Litovsky</td>
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<td>11:00am-11:20am</td>
<td>Break</td>
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<td>11:20am-1:20pm</td>
<td>Talks Moderated by Ruth Litovsky</td>
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<td>1:20pm-2:00pm</td>
<td>Lunch Break (optional social room)</td>
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<td>2:00pm-4:40pm</td>
<td>Talks Moderated by Matt Goupell</td>
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<td>4:40pm</td>
<td>Adjourn (optional social room)</td>
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<td>Saturday, October 16th</td>
<td>9:00am-11:20am</td>
<td>Talks Moderated by Matthew Winn</td>
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<td>11:20am-11:30am</td>
<td>Final Remarks &amp; Adjourn</td>
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*NOTE: ASL interpretation and automatic live captions will be provided for talks.*
Friday, October 15th  
Morning Moderator: Ruth Litovsky

9:00 a.m. Ruth Litovsky: Welcome

9:20 a.m. Matthew Winn (University of Minnesota)  
*Downstream effects of speech misperceptions in CI listeners*

9:40 a.m. Sarah Colby (University of Iowa)  
*The effect of language experience and inhibitory control on spoken word recognition in CI users*

10:00 a.m. Aniket Saoji (Mayo Clinic Rochester)  
*Electrode impedances and cochlear implants*

10:20 a.m. Jing Yang (UW-Milwaukee)  
*Vocal singing of deaf children with Cis*

10:40 a.m. Jessica Lewis (Boystown)  
*Individual variability in speech recognition strategy in degraded listening conditions*

11:00 a.m. **BREAK**

11:20 a.m. Josh Stohl (MED-EL Corporation)  
*Coding temporal fine structure for bilateral cochlear implant users: Existing solutions and remaining challenges*

11:40 a.m. Mona Jawad (University of Illinois)  
*Exploring the use of ECAPs to predict the detrimental effect of interaural mismatches*

12:00 p.m. Rebecca Felsheim (University of Oldenburg)  
*Interaural differences at the electrode level with CIS encoded speech*

12:20 p.m. Robel Alemu (University of Toronto)  
*The effects of age at implantation in children with short durations of single-sided deafness*

12:40 p.m. Matt Goupell (University of Maryland)  
*Contralateral disruption diminishing binaural hearing with cochlear implants*

1:00 p.m. Francis Smith (University of Iowa)  
*Does binaural summation happen in SSD patients with cochlear implants?*

1:20 p.m. **LUNCH BREAK**

Optional Gathertown.com Social Room  
https://gather.town/app/kw65vztyiYZorx6x/Socialize.CRASH  
Password: CRASH
**Afternoon Moderator: Matt Goupell**

2:00 p.m. **Lynn Gilbertston & Lindsey Kreul** (UW-Whitewater)  
Who is talking and where: Considerations for live captioning tools

2:20 p.m. **Grady Gallagher** (Gallaudet University)  
*School Readiness and Developmental Neuroplasticity in Children with Hearing Aids and Cochlear Implants*

2:40 p.m. **Lina Reiss** (Oregon Health & Science University)  
*Neural health measures over time in recently implanted patients*

3:00 p.m. **Ann Holmes** (University of Louisville)  
*The relationship between spatial release from masking and the ventriloquist effect*

3:20 p.m. **Lingkai Harry Zhao** (UW-Madison)  
*Machine learning methods for classifying auditory motion responses*

3:40 p.m. **Jordan Beim** (University of Minnesota)  
*Reconciling measures of speech perception with spectral and intensity resolution in vocoder simulations*

4:00 p.m. **Jessica Defenderfer** (University of Tennessee Health Science Center)  
*First look at the impact of semantic information on listening effort using fNIRS and Pupillometry*

4:20 p.m. **Agudemu Borjigin** (Purdue University)  
*Deep neural network algorithms for noise reduction in cochlear implants*

4:40 p.m. **Adjourn/Optional Gathertown Social Room**  
[https://gather.town/app/kw65vztyiYZorx6x/Socialize.CRASH](https://gather.town/app/kw65vztyiYZorx6x/Socialize.CRASH)  
Password: CRASH

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**Saturday, October 16th**  
**Morning Moderator: Matthew Winn**

9:00 a.m. **Weston Adkins** (Mayo Clinic Rochester)  
*Skin flap thickness measured via preoperative imaging predicts retention issues with off-the-ear sound processors*

9:20 a.m. **Nathan Luzum** (Medical College of Wisconsin)  
*Cars, Alarms and Babies: Identification of safety-relevant environmental sounds by cochlear implant listeners*

9:40 a.m. **Joel I Berger** (University of Iowa)  
*Speech-in-noise ability is predicted by neural responses in auditory cortex of cochlear implantees*

10:00 a.m. **Meisam Arjmandi** (Massachusetts Eye & Ear Infirmary)  
*Using channel-specific focused thresholds to predict erroneous identification of vowels*

10:20 a.m. **Justin Fleming** (University of Minnesota)  
*Weighting of lexical stress cues in normal hearing listeners and cochlear implant users*

10:40 a.m. **Rebecca Benjamin** (University of Toronto)  
*Examining the use of an auditory balance prosthesis during balance and working memory tasks in children and young adults with cochleovestibular loss*

11:00 a.m. **Jasenia Hartman** (UW-Madison)  
*Examining the effects of varying n-maxima on formant weighting in CI listeners*