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

October 15-16, 2021 Live on Zoom

<u>Meeting Overview (All times are listed in Central Time)</u>

Friday, October 15th	9:00am-9:20am	Welcome
	9:20am-11:00am	Talks Moderated by Ruth Litovsky
	11:00am-11:20am	Break
	11:20am-1:20pm	Talks Moderated by Ruth Litovsky
	1:20pm-2:00pm	Lunch Break (optional social room)
	2:00pm-4:40pm	Talks Moderated by Matt Goupell
	4:40pm	Adjourn (optional social room)
Saturday, October 16th	9:00am-11:20am	Talks Moderated by Matthew Winn
	11:20am-11:30am	Final Remarks & Adjourn

*NOTE: ASL interpretation and automatic live captions will be provided for talks.

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** (Galladuet 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 simuluations

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   Password: **CRASH**

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