

## **Adam Bosen**

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### **EDUCATION**

- Ph.D. in Biomedical Engineering**, University of Rochester **October 2015**  
Dissertation: "Visual Capture and Recalibration of Auditory Spatial Perception"
- M.S. in Biomedical Engineering**, University of Rochester **May 2012**
- M.S. in Computer Engineering**, Rochester Institute of Technology **August 2010**
- B.S. in Computer Engineering**, Rochester Institute of Technology **August 2010**

### **PUBLICATIONS**

- Bosen AK**, Chatterjee M (2016) "Band importance functions of listeners with cochlear implants using clinical maps," The Journal of the Acoustical Society of America, 140(5), 3718-3727. DOI: 10.1121/1.4967298
- Bosen AK**, Fleming JT, Brown SE, Allen PD, O'Neill WE, Paige GD (2016) "Comparison of Congruence Judgment and Auditory Localization Tasks for Assessing the Spatial Limits of Visual Capture," Biological Cybernetics, 110:455. DOI: 10.1007/s00422-016-0706-6
- Bosen AK**, Fleming JT, Allen PD, O'Neill WE, Paige GD (2016) "Accumulation and decay of visual capture and the ventriloquism aftereffect caused by brief audio-visual disparities," Experimental Brain Research, DOI:10.1007/s00221-016-4820-4

### **PRESENTATIONS**

- Bosen AK**, Chatterjee M (2016, May) "Band Importance Functions of Listeners with Cochlear Implants," Poster presented at the Acoustical Society of America Spring Meeting 2016
- Bosen AK**, Fleming JT, Brown SE, Allen PD, O'Neill WE, Paige GD (2015, February) "Comparison of Forced-Choice and Auditory Localization Tasks For Assessing Spatial Audio-Visual Integration," Poster presented at the Association for Research in Otolaryngology Midwinter Meeting 2015
- Fleming JT, **Bosen AK**, Allen PD, O'Neill WE, Paige GD (2014, February) "Variable Time Courses in Auditory Space Shifts Induced by the Ventriloquism Aftereffect," Poster presented at the Association for Research in Otolaryngology Midwinter Meeting 2014
- Bosen AK**, Allen PD, Clark EC, O'Neill WE, Paige GD (2013, February) "Stimulus Burst Duration, and Background Noise, Influence Audiovisual Spatial Binding," Poster presented at the Association for Research in Otolaryngology Midwinter Meeting 2013
- Bosen AK**, Allen PD, O'Neill WE, Paige GD (2012, February) "Visual Capture in Elevation and Azimuth," Poster presented at the Association for Research in Otolaryngology Midwinter Meeting 2012

### **GRANTS AND FELLOWSHIPS**

- Postdoctoral NIH Training Grant** T32 DC000013-36, **2015 - 2017**  
Boys Town National Research Hospital, NE
- Predoctoral NIH Training Grant** T32 EY007125-25, Center for Visual Sciences, **2015**  
University of Rochester, NY
- Predoctoral NIH Training Grant** T32 DC9974-4, Department of Otolaryngology, **2012 - 2014**  
University of Rochester Medical Center, NY
- Dean's Fellowship**, Department of Biomedical Engineering, **2010 - 2012**  
University of Rochester, NY

## **SERVICE**

**Software workshops** – Developed and lead code sharing workshops for Association for Research in Otolaryngology Midwinter Meetings in 2016 and 2017 with collaborators.

**Peer review** – Reviewed manuscripts for Ear and Hearing, Association for Research in Otolaryngology (JARO), Journal of the Acoustical Society of America (JASA), and Journal of the American Academy of Audiology (JAAA)

## **TEACHING EXPERIENCE**

**Teaching assistantships** – Biosystems and Circuits (x2), Biomedical Signals and Measurements, Physiological Control Systems, Introduction to Neuroengineering, Quantitative Physiology

**Volunteer experience** – Science Buddies (4<sup>th</sup> grade science), FIRST Robotics (9<sup>th</sup> - 12<sup>th</sup> grade engineering), Americorps classroom aide (9<sup>th</sup> - 12<sup>th</sup> grade math and 1<sup>st</sup> grade reading)