

## RESEARCH SUPERVISION

### Undergraduate Senior / Honors Thesis

"Spectrographic Analysis of Sound vs. Auditory Perception," J. L. Lester, Senior Honors Thesis, Ohio State University, (1996).

"Just Discriminable Change of Velocity of a Simulated Moving Sound Source," S.M. Hassett, Senior Honors Thesis, Ohio State University, (1999).

"Acoustical Properties of Music Practice Rooms in Schools," A. Staley, Senior Honors Thesis, Ohio State University, (2001).

"Comparison of Frequency Modulated (FM) glides and Virtual Frequency (VF) glides in up versus down identification," R. M. Dawson, Senior Honors Thesis, Ohio State University, (2002).

"An Investigation of Response Bias in Tone Glide Direction Identification," M. Gould, Senior Honors Thesis, Ohio State University, (2006).

"Response Bias in Tone Glide Direction Identification," A. Ramanujam, Senior Honors Thesis, Ohio State University, (2009).

"Informational Masking and Trained Listening," E. Laughlin, Senior Honors Thesis, Ohio State University, (2009).

"The Effects of Musical Training on Auditory Acuity in Musicians," K. Aleshire, Senior Honors Thesis, Ohio State University, (2010).

"Does the intensity level of an instrument influence a musician's preferred listening levels?" B. Komes, Senior Honors Thesis, Ohio State University, (2010).

"Acoustical Characteristics of Ohio State University Classrooms," A. DeLong, Senior Honors Thesis, Ohio State University, (2010).

"Effect of Frequency and Duration on Threshold", A. Shevelyok, Senior Honors Thesis, Ohio State University, (2011)

"Difference limen for dynamic center-of-gravity and sinusoidal frequency modulated signals", A. Stewart, Senior Honors Thesis, Ohio State University, (2012).

"The Effects of Surgical Masks on Speech Perception in Noise", K. J. Wittum, Senior Honors Thesis, Ohio State University, (2013).

### Master of Arts / Master of Science

"Effects of Off-Frequency Detection in Brief Tone Audiometry," M. Freeland. Master's Thesis, University of Southern Mississippi (1972).

"The Pitch of Whispered Vowels," E. C. Oesterle. Master's Thesis, Purdue University (1980).

"The Pitch of Narrow Band Signals," L.J. Stover. Master's Thesis, Purdue University (1981).

"Tracking Ability of Normal-Hearing Young Adults for Ultra-Audiometric Frequencies," E. Hoglund. Master's Thesis, Kansas University (1988).

"Influence of Randomly Chosen Starting Frequency on Frequency-Glide Direction Discrimination" M. E. Neill, Master's Thesis, Ohio State University (1990).

"Dynamics of the Precedence Effect: Partial Replication and Extension," P. Burton, Master's Thesis, Ohio State University (1992).

"Modeling Cochlear Implant Processing Schemes," G. P. Lynch, Master's Thesis (ECE) Ohio State University. (1996). [Co-director with A. K. Krishnamurthy]

"A signal processing model for the Center-of-Gravity effect in vowel processing," Qiang Xu, Master's Thesis, Ohio State University, (1997).

"Evaluation of Speech Processing for Telephone Use by Elderly Individuals with Hearing Loss," Gayla L. Poling, Master's Thesis, Ohio State University, (2004).

#### AuD Capstone Thesis

"The Use of Bone-Conducted Masking Noise with the Auditory Steady-State Response," C. D. Keifer, AuD Capstone Thesis, Ohio State University, (2007).

"Public Health Initiatives in Hearing: What One Audiologist Can Do," L. J. Winder, AuD Capstone Thesis, Ohio State University, (2008).

"Speech Recognition in Background Noise: An Evidence-Based Review," S. E. Hines, AuD Capstone Thesis, Ohio State University, (2008).

"Injury and Hearing Loss Among Ohio Farmers: A Case-Control Study," M. Vetter, AuD Capstone Thesis, Ohio State University, (2009).

"Psychosocial and Social Effects of Hearing Impairment in Various Stages of Life: Counseling Considerations for Audiologists." Trent Westrick, AuD Capstone Thesis, Ohio State University, (2008).

"Neurofibromatosis Type 2: Current Findings in Identification, Intervention, and Management," Tina Tanquin, AuD Capstone Thesis, Ohio State University, (2009).

"Autism and Hearing Loss: Recommendations for Improved Diagnostic Evaluations and Interventions," Timothy Nejman, AuD Capstone Thesis, Ohio State University, (2009).

"Development of a Rapid Assessment Instrument: Investigation of the Schroeder-Phase Effect in Normal Hearing Listeners with Artificial Threshold Shifts," Joseph Hribar, AuD Capstone Thesis, Ohio State University, (2017).

"Normative Data at -8 and -2 dB Signal-to-Noise Ratios for the OSU Speech Perception in Noise Test," Kelsi Wittum, AuD Capstone Thesis, Ohio State University, co-advisor (2017).

### PhD Dissertation

"Discriminability of Time-Reversed Click Pairs: Intensity Effects," S. B. Resnick. Doctoral Dissertation, Oklahoma University (1973).

"Auditory Frequency Selectivity and Two-Tone Suppression in Normal Hearing Human Listeners," H. O'Malley. Doctoral Dissertation, Purdue University (1977).

"Decision Processes in Listeners' Discrimination of Synthetic Speech Sounds," C. J. Miller. Doctoral Dissertation, Purdue University (1977).

"Tonal Forward Masking: Psychophysical Estimates of the Auditory Representation of Sound Spectra over Time," G.D. Kidd, Jr. Doctoral Dissertation, Purdue University (1981).

"The Relationship between the Human Frequency-Following Response and the Low Pitch of Complex Tones," R. D. Chambers. Doctoral Dissertation, Purdue University (1983).

"Effects of the Temporal Properties of a Masker upon Masking Patterns," J. B. Mott. Doctoral Dissertation, Kansas University (1986).

"Effects of Intense Pure Tones on Auditory Temporal Acuity," C. A. Champlin. Doctoral Dissertation, Kansas University (1987).

"Temporal Resolution of Frequency-Modulated Signals by Hearing-Impaired Listeners," J. P. Madden, Doctoral Dissertation, Ohio State University (1990).

"Dichotic Auditory Profile Analysis," G. M. Whitelaw, Doctoral Dissertation, Ohio State University (1991).

"Aging Effects on Distortion Product Oto-acoustic Emissions and Speech Perception," S. S. de Snyder, Doctoral Dissertation, Ohio State University, (1993).

"Auditory Discrimination of Frequency Transitions by Human Listeners and a Computational Model," C-Y Hsu, Doctoral Dissertation, Ohio State University, (1993).

"Recovery from Noise Exposure: Effects on Distortion Product Oto-acoustic Emissions and Temporary Threshold Shift," R. Harrell, Doctoral Dissertation, Ohio State University, (1994).

"Complex Sound Discrimination and a Correlated Channel Model," T. Zhang, Doctoral Dissertation, Ohio State University. (1995).

"Detection of Frequency Modulation by Listeners with Cochlear Implants," I. R. Bicknell, Doctoral Dissertation, Ohio State University. (1996).

- "A Speech Processing Study Using an Acoustic Model of a Multiple-Channel Cochlear Implant," Y. Xu, Doctoral Dissertation, Ohio State University. (1998).
- "An Objective Measure of Temporal Resolution in Normal Subjects using Frequency Modulated Signals," D.L. McCaslin, Doctoral Dissertation, Ohio State University. (1999).
- "Monaural Detection of Doppler Frequency Shifts and Intensity Changes in Simulated Moving Sounds," M. A. Ericson, Doctoral Dissertation, Ohio State University, (2001).
- "Temporal Resolution and Masking Patterns Using Frequency Modulated and Virtual Frequency Signals," N. Iyer, Doctoral Dissertation, Ohio State University, (2001).
- "Effects of Conventional Passive Earmuffs, Uniformly Attenuation Passive Earmuffs, and Hearing Aids on Speech Intelligibility in Noise," B. L. Verbsky, Doctoral Dissertation, Ohio State University, (2002).
- "Effect of Bone Conduction Transducer Placement on Distortion Product Otoacoustic Emissions," J. L. Hazelbaker, Doctoral dissertation, Ohio State University, (2004).
- "Spectral and Temporal Integration of Brief Tones," E. M. Hoglund, Doctoral Dissertation, Ohio State University, (2007).
- "Mechanisms of Remote Masking," H. Patra, Doctoral Dissertation, Ohio State University, (2008).
- "Informational Masking in Older Adults," G. L. Poling, Doctoral Dissertation, Ohio State University, (2009).
- "Informational Masking and Sensorineural Hearing Loss," S. E. Seeman, Doctoral Dissertation, Ohio State University, (2009).
- "Central versus Monotic Masking in Non-Simultaneous Listening Conditions," M. Ahmadi, Doctoral Dissertation, Ohio State University, (2010).
- "An Enhanced Channel Model for Spectrotemporal Integration and Masker Phase Effects," Y. Oh, Doctoral Dissertation, Ohio State University, (2013).
- "The effects of incomplete knowledge of results on response bias in an auditory detection task," Matthew Davis, Doctoral Dissertation, Ohio State University, (2015).
- "Masking and the phase response of the auditory system," Niall A.M. Klyn, Doctoral Dissertation, Ohio State University, (2015).