

**James D. Harnsberger**  
Department of Linguistics  
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### **Education**

Ph.D. (1998), Linguistics, The University of Michigan.  
B.A. (1991), English, Virginia Polytechnic Institute & State University.

### **Positions Held**

Assistant Professor, Department of Linguistics (January 2010 – present) and Department of Communication Sciences and Disorders (August 2005 – December 2009), University of Florida.  
Adjunct/Courtesy Assistant Professor, Institute for Advanced Study of the Communication Processes (IASCP), Department of Communication Sciences and Disorders, University of Florida, August 2001 – July 2005.  
Post-Doctoral Research Fellow, Speech Research Laboratory, Department of Psychology, Indiana University, August 1998 – July 2001.

### **Teaching and Research Interests**

Phonetics, Phonology, Speech Perception, Stress and Deception in Speech, Language and Aging, Second Language Acquisition, Forensic Phonetics

### **Grants Awarded**

Investigator, VA RR&D Merit Review through the Brain Rehabilitation Research Center (BRRC), Malcom Randall VAMC, Gainesville, FL., \$940,788, 2010 - 2011, "Measurement of Dysarthric Intelligibility Using Speech Recognition Technology"  
Co-PI, 2009 Provost E-learning Initiative, University of Florida, \$30,000.  
Co-PI, Department of Defense Grant, \$336,000, 2005 - 2006, "Voice stress analyzer instrument evaluation."  
PI, NIH (NIDCD) R03 Modular Grant, \$150,000, 2004 - 2007, "Phonetic and prosodic effects in perceptual assimilation."

### **Grants Submitted**

PI, U.S. State Department, Forensic Voice Identification Training, \$646,500, "Forensic Voice Identification Training Program", 2012.  
Co-PI, University of Florida Research Opportunity Fund, "Automated screening for early detection of Parkinson's disease using speech behavior", \$100,000," 2011 – 2012.  
Co-PI, IARPA, "Vocal indicators of trust", \$401,000, 2010 – 2012.  
Co-PI, Competitive Revision to NIH R01 grant, "A Psychoacoustic Model for the Perception of Dysphonic Voice Quality," \$263,000, 2009 – 2011.  
PI, Brookdale Leadership in Aging Fellowship Program, \$165,000, 2009 - 2010.

- PI, Department of Homeland Security Grant, \$900,000, 2008 - 2009, "Evaluation of SSRM Tek Technology for the detection of concealed knowledge."
- Co-PI, Department of Defense Grant, \$820,000, 2007 – 2010, "Research needs of intelligence groups: Detection of stress and deception in speech and voice."
- PI, Department of Defense Grant, \$250,000, 2007 - 2008, "The use of deception and stress profiles for credibility assessment."
- Co-PI, NSF Grant (Linguistics), \$98,000 over 2 years, "Indian Englishes: Theoretical implications of segmental variation."
- PI, NIH (NIDCD) R21 Modular Grant, \$150,000 over 2 years, "Perceptual relevance of acoustic cues to age in voice."
- Co-PI, NSF Grant (Linguistics), \$262,000 over 2 years, "Indian English and American English: Segmental versus prosodic differences in cross-dialectal communication."
- PI, NSF Grant (Linguistics and Human Cognition and Performance), \$172,000 over 2 years, "The role of language aptitude in cross-language speech perception and second language learning."
- Co-PI, Alcoholic Beverage Medical Research Foundation Grant, \$75,000 over 2 years, "Segmental aspects of speech as cues to ethanol intoxication level: An acoustic analysis."

### Refereed Journal Articles

- Harnsberger, J.D., Shrivastav, R., and Anand, S. (submitted). Identifying speech correlates of Parkinson's Disease through expert listener judgments.
- Shrivastav, R., Harnsberger, J.D., and Anand, S. (submitted). Real-world intelligibility deficits in speakers with Parkinson's Disease.
- Harnsberger, J. D. and McPeck, T., (submitted). Vocal typology: The science of voice typing, Interspeech.
- Hollien, H. and Harnsberger, J. D., (submitted). Speaker identification: The case for speech vector analysis. *Journal of the Acoustical Society of America*.
- Harnsberger, J.D. (submitted, under revision). "Modeling chronological vocal age in American English." *Folia Phoniatica et Logopaedica*.
- Harnsberger, J. D., Wayland, R., and Silver, J. (submitted, under revision). "Sensitivity to phonetic detail in perceptual assimilation: The classification and discrimination of Korean stops by native speakers of Hindi." *Journal of Phonetics*.
- Harnsberger, J. D., Wayland, R., and Silver, J. (submitted, under revision). "Methodological issues in the perceptual assimilation of non-native speech sounds: The perception of Hindi voicing contrasts by American English listeners" *Journal of the Acoustical Society of America*.
- Harnsberger J. D., Shrivastav, R., and Brown, W. S. (2010). "Modeling perceived vocal age in American English." *Interspeech-2010*, 466-469.
- Harnsberger, J. D., Brown, W. S., Shrivastav, R., and Rothman, H. B. (2010) "Noise and tremor in the perception of vocal aging in males." *Journal of Voice* 24: 523-530.
- Hollien, H., Harnsberger, J. D., Martin, C. A., Hill, R. H. and Alderman, G. A. (2009). "Perceiving the effects of ethanol intoxication on voice." *Journal of Voice* 23: 552-559.
- Stemmer G., Spiegl W., Lasarczyk E., Kholhatkar V., Cassidy A., Potard B., Shum S., Song Y., Xu P., Beyerlein P., Harnsberger J. D., Noeth E. (2009). "Analyzing Features for Automatic Age Estimation on Cross-Sectional Data" *Interspeech-2009*.

- Harnsberger, J. D., Hollien, H., Martin, C., and Hollien, K. (2009). "Stress and deception in speech: Evaluating Layered Voice Analysis" *Journal of Forensic Sciences* 54: 642-650.
- Harnsberger, J. D., Pisoni, D. B., and Wright, R. (2008). "A new method for eliciting three speaking styles in the laboratory." *Speech Communication* 50: 323-336.
- Hollien, H., Harnsberger, J. D., Martin, C., and Hollien, K. (2008). "Evaluation of the NITV CVSA" *Journal of Forensic Sciences* 53: 183 – 193.
- Harnsberger, J. D., Shrivastav, R., Brown, W.S., Jr., Rothman, H., Hollien, H. (2008). "Speaking rate and fundamental frequency as cues to perceived age in speech." *Journal of Voice* 22: 58-69.
- Wiltshire, C. and Harnsberger, J. D. (2006). "The influence of Gujarati and Tamil L1s on Indian English: A Preliminary Study." *World Englishes* 25: 91 – 104.
- Beddor, P. S., Harnsberger, J. D., Lindeman, S. (2002). "Language-specific patterns of vowel-to-vowel coarticulation: Acoustic structures and their perceptual correlates." *Journal of Phonetics* 30: 591-627.
- Harnsberger, J. D. (2001). "The perception of Malayalam nasal consonants by Marathi, Punjabi, Tamil, Oriya, Bengali, and American English listeners: A multidimensional scaling analysis." *Journal of Phonetics* 29: 303-327.
- Harnsberger, J. D. (2001). "On the relationship between identification and discrimination of non-native nasal consonants." *Journal of the Acoustical Society of America* 110: 489-503.
- Harnsberger, J. D., Svirsky, M. A., Kaiser, A. R., Pisoni, D. B., Wright, R., and Meyer, T. A. (2001). "Perceptual "vowel spaces" of cochlear implant users: Implications for the study of auditory adaptation to spectral shift." *Journal of the Acoustical Society of America* 109: 2135-2145.
- Harnsberger, J. D. (2000). "A cross-language study of the identification of non-native nasal consonants varying in place of articulation." *Journal of the Acoustical Society of America* 108: 764-783.

### **Other Publications**

- Harnsberger, J. D. (2007). "The Detection of Security-Relevant Information from Spoken Communication." Final Report for Credibility Assessment Research Summit.
- Hollien, H. and Harnsberger, J. D. (2006). "Voice Stress Analyzer Instrumentation Evaluation." Final Report for Department of Defense Counterintelligence Field Activity Contract – FA 4814-04-0011.
- Hollien, H. and Harnsberger, J. D. (2006). "The Use of Voice in Security Applications." *Journal of Credibility Assessment and Witness Psychology* 7: 17-168.
- Clopper, C. G., Carter, A. K., Dillon, C. M., Pisoni, D. B., Hernandez, L. R., Clarke, C. M., Harnsberger, J. D., and Herman, R. (2002). "The Indiana Speech Project: An overview of the development of a multi-talker multi-dialect speech corpus." Research on Spoken Language Processing Report No. 25, Bloomington, IN: Speech Research Laboratory, Indiana University.
- Harnsberger, J. D. (2000). "The influence of short-term and long-term memory on the identification and discrimination of non-native sounds." Research on Spoken Language Processing Report No. 24, Bloomington, IN: Speech Research Laboratory, Indiana University.
- Harnsberger, J. D., Wright, R., and Pisoni, D. B. (2000). "Effects of speaking style on the perceptual learning of novel voices: A first report." Research on Spoken Language

- Processing Report No. 24, Bloomington, IN: Speech Research Laboratory, Indiana University.
- Harnsberger, J. D. and Goshert, L. A. (2000). "Reduced, citation, and hyperarticulated speech in the laboratory: An acoustic analysis." Research on Spoken Language Processing Report No. 24, Bloomington, IN: Speech Research Laboratory, Indiana University.
- Clopper, C. G., Carter, A. K., Dillon, C. M., Harnsberger, J. D., Herman, R., Clarke, C. M., Pisoni, D. B., and Hernandez, L. R. (2000). "A multi-talker dialect corpus of spoken American English: An initial report on development." Research on Spoken Language Processing Report No. 24, Bloomington, IN: Speech Research Laboratory, Indiana University.
- Harnsberger, J. D. (1999). "The effect of linguistic experience on perceptual similarity among nasal consonants." Research on Spoken Language Processing Report No. 23, Bloomington, IN: Speech Research Laboratory, Indiana University.
- Harnsberger, J. D. and Pisoni, D. B. (1999). "Eliciting speech reduction in the laboratory II: Calibrating cognitive loads for individual talkers." Research on Spoken Language Processing Report No. 23, Bloomington, IN: Speech Research Laboratory, Indiana University.
- Harnsberger, J. D., Svirsky, M., Kaiser, A., Wright, R., and Pisoni, D. B. (1999). "The 'vowel spaces' of normal-hearing individuals and cochlear-implant users." Research on Spoken Language Processing Report No. 23, Bloomington, IN: Speech Research Laboratory, Indiana University.
- Harnsberger, J. D. (1999) "Perceptual similarity among nasals varying in articulation: A multidimensional scaling solution." In the Proceedings of the 14th International Congress of Phonetic Sciences.
- Harnsberger, J. D. (1999) "A comparison of three metrics of perceptual similarity in cross-language speech perception." BLS 25: 157-168.
- Harnsberger, J. D. (1998) "The perception of place of articulation in three coronal nasal contrasts." In the Proceedings of the 135th Meeting of the Acoustical Society of America / 16th International Congress on Acoustics, 1998.

### **Media Coverage**

- Interviewed and researched profiled on **BBC Radio**, "Would I lie to you?", July, 2010.
- Interviewed and researched profiled on "The truth hurts: scientists question voice-based lie detection", **Science News**, July 2010.
- Researched profiled during **ABC News Primetime** broadcast, "Innocent Until Proved Guilty?", March, 2006.

### **Invited Presentations**

- "The detection of deception and stress in speech: Issues in modeling and applications." To be presented at the 41st Annual Symposium: Care of the professional voice, The Voice Foundation, 2012.
- "Speaker identification using the tricks of the voice-science trade." To be presented at the 41st Annual Symposium: Care of the professional voice, The Voice Foundation, 2012.
- "Four challenges in modeling the indexical properties of speech." Presented at Northwestern University Department of Linguistics, Evanston, IL, November, 2011.

- “Can an accurate lie detector ever be developed? Coping with 'countermeasures' in the observation of behavioral, psychophysiological, and neurological signals” Presented at Sigma Xi Annual Meeting, Gainesville, FL, April, 2011.
- “Voice, speech, and language: Their potential in credibility assessment and their (premature) application in the marketplace.” A briefing for staff scientists at the Office of the Director of National Intelligence, Chantilly, VA, April, 2011.
- “The use and abuse of speech science in national security and forensic applications.” Keynote address, Florida Acoustical Society of America, Gainesville, FL, April 2010.
- “A multimodal integrated approach to credibility assessment.” Defense Academy for Credibility Assessment, Columbia, SC, April, 2009.
- Presentation at Hart Senate Office Building, before staffer of the Senate Select Committee on Intelligence, concerning research on voice stress analyzers, Washington, D.C., January 2009.
- Presentation at Pentagon, before House of Representatives staffer representing Rep. Ike Skelton (D - Missouri) of the House Armed Services Committee, concerning research on voice stress analyzers, Washington, D.C., September 2008.
- “Exploring the consequences of the aging process on the articulation and perception of speech.” Workshop on Vocal Aging Explained by Vocal Tract Modeling, John Hopkins University, Baltimore, MD, August, 2008.
- “The detection of stress and deception in speech: Theory and applications.” University of South Florida, Communication Sciences and Disorders Department Doctoral Seminar Series, Tampa, FL, December, 2006.

### **Presentations**

- Harnsberger, J. D. and McPeck, T., Vocal typology: The science of voice typing. To be presented at 13th Annual Conference of the International Speech Communication Association.
- Harnsberger J. D., Betzen, C., Perry, K. and Hollien, H. “Talker and gender effects in induced, simulated, and perceived stress in speech.” Presented at the 162<sup>nd</sup> Meeting of the Acoustical Society of America, 2011.
- Harnsberger J. D. and Hollien, H. “Selection of speech/voice vectors in forensic voice identification.” Presented at the 162<sup>nd</sup> Meeting of the Acoustical Society of America, 2011.
- Hollien, H. and Harnsberger, J. D. “Speaker identification: The case for speech vector analysis” Presented at the Tutorial and Special Session on Forensic Voice Comparison and Forensic Acoustics at the 160th Meeting of the Acoustical Society of America, 2010.
- Harnsberger J. D., Shrivastav, R., and Brown, W. S. “Modeling perceived vocal age in American English.” Presented at Interspeech-2010.
- Harnsberger, J. D. “The detection of stress, emotion, and deception from speech: The intersection of phonetics, policy, and politics.” Presented at the 159<sup>th</sup> Meeting of the Acoustical Society of America, 2010.
- El-Bashiti, N., Shrivastav, R., and Harnsberger, J. D. “Quantifying the Degree of Perceived Nasality in Vowels.” Presented at the 39<sup>th</sup> Annual Symposium: Care of the professional voice, The Voice Foundation, 2010.
- Harnsberger, J. D., Brown, W.S., Jr., and Shrivastav, R. “Voice, articulation, and temporal Cues to Perceived Age: Estimates from Transposition Resynthesis.” Presented at the 39<sup>th</sup>

- Annual Symposium: Care of the professional voice, The Voice Foundation, 2010  
(Honorable mention for David W. Brewer Award for Best Poster).
- Harnsberger, J. D. "Voice, articulation, and prosodic correlates to chronologic age in speakers of American English." Presented at the Florida Chapter of the Acoustical Society of America, 2009.
- Harnsberger, J. D., Brown, W. S., and Shrivastav, R. "The relative contribution of different voice qualities to perceived age." Presented at the 38<sup>th</sup> Annual Symposium: Care of the professional voice, The Voice Foundation, 2009.
- Shrivastav, M. N., Shrivastav, R., and Harnsberger, J. D. "Developing objective measures of listening effort." Presented at the 157<sup>th</sup> Meeting of the Acoustical Society of America, 2009.
- Harnsberger, J. D. "Assessment of perceptual assimilations before and after training." Presented at the Special Session on Cross-Language Speech Perception and Variations in Linguistic Experience, 157<sup>th</sup> Meeting of the Acoustical Society of America, 2009.
- Harnsberger, J. D. "Acoustic correlates to perceived age in American English." Presented at the 157<sup>th</sup> Meeting of the Acoustical Society of America, 2009.
- Gogoi, D. and Harnsberger, J. D. "Acquisition of new phonetic categories by bilingual and monolingual groups: Role of metalinguistic awareness and feature generalization" Presented at the 157<sup>th</sup> Meeting of the Acoustical Society of America, 2009.
- Harnsberger, J. D. "On the relationship between the perception and learning of Hindi voicing and place contrasts by native speakers of American English." Presented at the 156<sup>th</sup> Meeting of the Acoustical Society of America, 2008.
- Shrivastav, M. N., Shrivastav, R., and Harnsberger, J. D. "Measuring listening effort independent of task difficulty." Presented at the 156<sup>th</sup> Meeting of the Acoustical Society of America, 2008.
- Bourgeois, D., Brown, W. S., Shrivastav, R., and Rothman, H. B., and Harnsberger, J. D. "Perceived age in normal and pathological voices." Presented at the 156<sup>th</sup> Meeting of the Acoustical Society of America, 2008.
- Hollien, H. and Harnsberger, J. D. "Evaluation of two voice stress analyzers." Presented at the 156<sup>th</sup> Meeting of the Acoustical Society of America, 2008.
- Harnsberger, J. D., Brown, W. S., Shrivastav, R., and Rothman, H. B. "Tremor and Breathiness in the Perception of Vocal Aging in Males." Presented at the 37<sup>th</sup> Annual Symposium: Care of the professional voice, The Voice Foundation, 2008.
- Seoke, S., Shrivastav, M., and Harnsberger, J. D. "A speech audiogram for Setswana consonants." Presented at the 154<sup>th</sup> Meeting of the Acoustical Society of America, 2007.
- Harnsberger, J. D., Shrivastav, R., and Skowronski, M. "The application of a psychophysical difference metric to perceptual similarity judgments in vowels." Presented at the 154<sup>th</sup> Meeting of the Acoustical Society of America, 2007.
- Silver, J., Wayland, R., and Harnsberger, J. D. "Sensitivity to phonetic detail in perceptual assimilation: The perception of Korean stops by native speakers of Hindi." Presented at the 154<sup>th</sup> Meeting of the Acoustical Society of America, 2007.
- Patel, Sona and Harnsberger, J. D. "'How Do You Feel Today?' Detecting Emotions in Speech." Presented at the 2007 ASHA Convention.
- Harnsberger, J. D., Brown, W. S., Rothman, H. B., and Shrivastav, R. "The male-female coalescence model as applied to nonsingers and trained Singers." Presented at the 36<sup>th</sup> Annual Symposium: Care of the professional voice, The Voice Foundation, 2007.

- Harnsberger, J. D. "Predicting the discriminability of non-native speech sounds: The perception of Hindi voicing contrasts by native speakers of American English." Presented at the Florida Chapter of the Acoustical Society of America, 2007.
- Silver, J. and Harnsberger, J. D. "The organization of bilingual perceptual consonant space: English/Spanish bilingual perception of Malayalam nasal consonants" Presented at the 152nd Meeting of the Acoustical Society of America, 2006.
- Harnsberger, J. D., Kahan, D., and Hollien, H. "The use of auditory and visual information in the perception of stress in speech." Presented at the 152nd Meeting of the Acoustical Society of America, 2006.
- Harnsberger, J. D. and Hollien, H. "The perception of stress in speech in the visual modality." Presented at the Florida Chapter of the Acoustical Society of America, 2006.
- Harnsberger, J. D., Brown, W. S., Rothman, H. B., Morris, R. J. and Shrivastav, R. "Vocal Aging in Male and Female Singers and Nonsingers." Presented at the 35<sup>th</sup> Annual Symposium: Care of the professional voice, The Voice Foundation, 2006.
- Harnsberger, J. D., Wayland, R., and Silver, J. "Perceptual assimilation in context and isolation." Presented at the 151st Meeting of the Acoustical Society of America, 2006.
- Wayland, R., Li, Bin, Csonka, L. and Harnsberger, J. D. "Effects of experience on speech perception in noise." Presented at the 151st Meeting of the Acoustical Society of America, 2006.
- Harnsberger, J. D., Rothman, H. B., Brown, W. S., Shrivastav, R. and Hollien, H. "Cues to vocal aging in older and middle-aged male voices." Presented at the 34<sup>th</sup> Annual Symposium: Care of the professional voice, The Voice Foundation, 2005.
- Harnsberger, J. D., Shrivastav, R., and Skowronski, M. "The role of psychophysical difference in the discrimination of non-native contrasts." Presented at the 149th Meeting of the Acoustical Society of America, 2005.
- Harnsberger, J. D. "Predicting nonnative consonant discrimination from acoustic phonetic similarity metrics." Presented at the 79th Annual Meeting of the Linguistic Society of America, 2005.
- Harnsberger, J. D., Yeon, S.-H., and Silver, J. "Optimizing measures of the perceptual assimilation of stop consonants." Presented at the 148th Meeting of the Acoustical Society of America, 2004.
- Yeon, S.-H., Wayland, R., Harnsberger, J. D., and Silver, J. "Stability in perceptual assimilation: Talker and vowel context effects." Presented at the 148th Meeting of the Acoustical Society of America, 2004.
- Wiltshire, C. W. and Harnsberger, J. D. "Segmental and prosodic characteristics of Indian English." Presented at Laboratory Phonology IX, 2004.
- Rothman, H. B., Shrivastav, R., H., Brown, W. S., Harnsberger, J. D. and Hollien, H. "Fundamental frequency and speaking rate as perceptual cues for aging in male speakers." Presented at the 33<sup>rd</sup> Annual Symposium: Care of the professional voice, The Voice Foundation, 2004.
- Shrivastav, R., Hollien, H., Brown, W. S., Rothman, H. B., and Harnsberger, J. D. "Shifting perceptions of age in voice." Presented at the 146th Meeting of the Acoustical Society of America, 2003.
- Harnsberger, J. D. "The interaction of short-term and long-term memory in phonetic category formation." Presented at the 143rd Meeting of the Acoustical Society of America, 2002.

- Wright, R., Harnsberger, J. D., Pisoni, D. B., Svirsky, M., and Kaiser, A. "Comparing perception and production vowel spaces of cochlear implant users." Presented at the 141st Meeting of the Acoustical Society of America, 2001.
- Harnsberger, J. D., Pisoni, D. B., and Wright, R. "Eliciting reduced, citation, and hyperarticulated speech in the laboratory: Acoustic and perceptual analyses." Presented at the 141st Meeting of the Acoustical Society of America, 2001.
- Harnsberger, J. D. and Pisoni, D. B. "Individual differences in cross-language speech perception." Presented at the 75th Annual Meeting of the Linguistic Society of America, 2001.
- Harnsberger, J. D., Pisoni, D. B., and Wright, R. "Eliciting speech styles in the laboratory: Assessment of a new experimental method." Presented at the 140th Meeting of the Acoustical Society of America, 2000.
- Harnsberger, J. D., Pisoni, D. B., Svirsky, M., Kaiser, A., and Wright, R. "The 'vowel spaces' of normal-hearing individuals and cochlear-implant users." Presented at the 139th Meeting of the Acoustical Society of America, 2000.
- Harnsberger, J. D. "Mapping the 'vowel spaces' of normal-hearing listeners and patients with cochlear implants." Indiana University Linguistics Speaker Series, 2000.
- Harnsberger, J. D. "Perceptual similarity among nasals varying in articulation: A multidimensional scaling solution." Presented at the 14th International Congress of Phonetic Sciences, 1999.
- Harnsberger, J. D. "The role of metrical structure in Hindi intonation." Presented at the South Asian Analysis Roundtable, 1999.
- Harnsberger, J. D. "A comparison of three metrics of perceptual similarity in cross-language speech perception." Presented at the 25th Meeting of the Berkeley Linguistics Society, 1999.
- Harnsberger, J. D. "The perception of place of articulation in three coronal nasal contrasts." Presented at the 135th Meeting of the Acoustical Society of America / 16th International Congress on Acoustics, 1998.
- Harnsberger, J. D. "Quantifying phonetic similarity among nasal consonants." Presented at the 1998 Annual Meeting of the Linguistic Society of America.
- Harnsberger, J. D. "The identification and discrimination of a non-native nasal series by Bengali and American English listeners." Presented at the 133rd Meeting of the Acoustical Society of America, 1997.
- Harnsberger, J. D. "Towards an intonational phonology of Hindi." Presented at Laboratory Phonology V, 1996.
- Harnsberger, J. D. and Judge, J. "Pitch range and focus in Hindi." Presented at the 131st Meeting of the Acoustical Society of America, 1996.

### **Courses Taught**

- LIN 4930/6932 - Forensic Applications of Speech Science, U. of Florida.
- TSL 3378 – Pronunciation and TESL, U. of Florida
- SPA 3011 – Speech Acoustics, U. of Florida.
- SPA 3101 – Speech Anatomy and Physiology, U. of Florida.
- SPA 2024 –Human Communication Dynamics, U. of Florida.
- LIN 2210 - Phonetic Theory and Transcription, U. of Florida.
- LIN 3201 - Sounds of Human Language, U. of Florida.



LIN 4323 - Introduction to Phonology, U. of Florida.  
Linguistics 112 - Languages of the World, U. of Michigan.  
Linguistics 305 - Advertising and Political Discourse, U. of Michigan.  
English Language Institute 320 & 321, Academic Writing, U. of Michigan.  
Technical Communications 610 - Technical Writing, U. of Michigan.  
English Language Institute 336 & 337, Pronunciation I & II, U. of Michigan.  
Linguistics 211 - Introduction to Language, U. of Michigan.

### **Courses Developed**

SPA 3101 (online) – Speech Anatomy and Physiology, U. of Florida.  
SPA 2014 - Forensic Applications of Speech Science, U. of Florida.  
LIN 4930 – Second Language Speech Perception and Production

### **Professional Organizations**

Acoustical Society of America, 1996-present.  
Linguistic Society of America, 1997- present.  
International Phonetics Association, 1999-present.  
The Voice Foundation, 2005, 2009-present.  
ICSA, 2010 – present.

### **Fellowships, Awards and Honors**

Sigma Xi Junior Faculty Award, 2010.  
University Scholar Program (University of Florida), Mentor, 2009  
SPARC award for mentoring (ASHA), 2005.  
Faculty Honoree for Teaching, Fall Academic Convocation, University of Florida, 2003.  
NIH Post-Doctoral Research Fellowship, August 1998 - 2001.  
University of Michigan Rackham Dissertation Grant, 1996 - 1997.  
Linguistic Society of America Summer Institute Fellowship, 1993.  
President of English Honors Society, VPI&SU, 1990-1991.

### **Service**

Member, Voice Policy Identification Group, United States Department of State (Merida Initiative), 2011 – 2012.  
Member, Subcommittee on Forensic Acoustics, Acoustical Society of America, 2011 - 2014.  
Vice-Chair, Organizing Committee, Forensic Acoustics Group, Acoustical Society of America, 2010.  
Visiting Scholars Committee, Department of Linguistics, 2011 - 2012.  
Curriculum Committee, Department of Linguistics, 2010 - 2012.  
Admissions Committee, Department of Linguistics, 2010 - 2012.  
Faculty Performance Review Committee, Department of Communication Sciences and Disorders, University of Florida, 2008 - 2009.  
Chair, Committee on Linguistics and Speech, Credibility Assessment Research Summit, Defense Academy for Credibility Assessment (DACA), Department of Defense, 2007.

Admissions Committee, Department of Communication Sciences and Disorders, University of Florida, 2006 - 2009.

Policy and Web Committee, Department of Communication Sciences and Disorders, University of Florida, 2005 - 2006.

Library Liaison, Department of Communication Sciences and Disorders, University of Florida, 2005 – 2006.

Grant Reviewer

- NSF Perception, Action, and Cognition, 2012.
- NSF Linguistics, 2002, 2007-2008.
- Dept. Justice, 2011-2012.

Journal Article Reviewer

- Applied Psycholinguistics, 2010.
- Cognition, 2008.
- Decision Support Systems, 2011.
- Ear and Hearing, 2000.
- Journal of Nonverbal Behavior, 2010.
- Journal of Phonetics, 2001, 2007-2011.
- Journal of Police and Criminal Psychology, 2011.
- Journal of Speech, Language, and Hearing Research, 2000; 2009.
- Journal of Speech, Language, and Hearing Sciences, 2011.
- Journal of the Acoustical Society of America, 1998, 2001, 2004 – 2009, 2011 - 2012.
- Journal of Voice, 2011.
- Language and Cognitive Sciences, 2003.
- Linguistics, 2012.
- Phonetica, 2001, 2002, 2007.
- Phonology, 2008, 2010.

**Mentoring**

Renee Gustain, B.A. thesis, Linguistics

Melonie Richey, B.A. thesis, Linguistics

Tyler McPeck, chair, Ph.D. committee, Linguistics

Krista Hadeed, B.A. thesis, Linguistics

Christian Betzen, M.A. thesis, Linguistics

Kristen Perry, B.A. thesis, Linguistics, 2011

Supraja Anand, Ph.D. committee, Speech Language and Hearing Sciences

Marilyn Ouellet, B.A. thesis, Speech Language and Hearing Sciences, 2010

Jirapat Jangjamras, Ph.D. committee, Linguistics, 2011

Sona Patel, Ph.D. committee, Communication Sciences and Disorders, 2009

Divya Gogoi-Verma, Ph.D. co-chair, Linguistics, 2009

Joanne Bao, Ph.D. committee, Linguistics, 2008

Priyankoo Sarmah, Ph.D. committee, Linguistics, 2008

Kwansun Cho, M.S. thesis, Electrical and Computer Engineering, 2007

Jenna Silver, M.A. thesis, Communication Sciences and Disorders, 2007

Rachel Kesselman, M.A. thesis, Linguistics, 2006

Daniel Kahan, B.A. thesis, Linguistics, 2006