CURRICULUM VITAE

Jessica E. Huber, Ph.D.

**UNIVERSITY ADDRESS AND TELEPHONE NUMBER**

Purdue University

College of Health and Human Sciences

Department of Speech, Language, and Hearing Sciences

Lyles-Porter Hall

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**EDUCATION**

Degree Institution Year Major

Ph.D. University at Buffalo, Buffalo, NY 2001 Speech Science

M.A. University at Buffalo, Buffalo, NY 1997 Speech/Lang Path

B.A. Saint John Fisher College, Rochester, NY 1992 English

**CLINICAL CERTIFICATION AND LICENSURE**

Indiana State; Speech-Language Pathology, 2002

Certificate of Clinical Competence – Speech Pathology, 1998

New York State; Speech-Language Pathology, 1998

**PROFESSIONAL POSITIONS**

2014 – present Purdue University, Professor in Speech, Language, and Hearing Sciences

2009 – present Purdue University, Courtesy Appointment in Health and Kinesiology

2007 – 2014 Purdue University, Associate Professor in Speech, Language, and Hearing Sciences

2001 – 2007 Purdue University, Assistant Professor in Speech, Language, and Hearing Sciences

1999 – 2001 University at Buffalo, part-time Clinical Supervisor; University at Buffalo Speech and Hearing Clinic

1997 – 2001 University at Buffalo, Graduate Assistant; Speech Production Laboratory, Department of Communicative Disorders and Sciences

1997 – 1998 University at Buffalo, Speech-Language Pathologist; University at Buffalo Speech and Hearing Clinic

**ADMINISTRATIVE POSITIONS**

2017 Purdue University, Interim Associate Vice Provost for Faculty Affairs

2016 Purdue University, Provost Fellow in Faculty Affairs

2016- Founder and Co-Director of the Center for Research on Brain, Behavior, and NeuroRehabilitation (CEREBBRAL)

2015-2016 Purdue University, Dean’s Fellow in the College of Health and Human Sciences

2013-2015 Burton D. Morgan Center for Entrepreneurship Faculty Fellow for Entrepreneurship

2012-2013 Burton D. Morgan Center for Entrepreneurship Faculty Entrepreneur in Residence

2009-2015 Chair of Graduate Committee in the Department of Speech, Language, and Hearing Sciences

**HONORS/AWARDS**

2015 R&D 100 Award for the SpeechVive device, editors of R&D Magazine

2015 Purdue University Focus Award for Diversity

2014 Outstanding Commercialization Award for Purdue University Faculty

2012 College of Engineering Staff Awards Excellence, Staff Team Award

2011 Outstanding Graduate Faculty Instructor in the Department of Speech,

Language, and Hearing Sciences

2006 Outstanding Undergraduate Faculty Instructor in Department of Speech, Language, and Hearing Sciences

2005 Outstanding Faculty Instructor in Department of Speech, Language, and Hearing Sciences

2006 Participant, Lessons for Success, American Speech-Language-Hearing Association and the NIDCD

2003 Invited participant, NIDCD Roundtable discussion of future research directions and funding priorities in the area of Neurologic Motor Speech Disorders in Adults

**PROFESSIONAL TRAINING**

2015 QPR Suicide Prevention Gatekeeper Program Training

2014-2015 Participant in the Big Ten Academic Alliance (formerly Committee on Institutional Cooperation (CIC)) Academic Leadership Program

**PUBLICATIONS**

**Refereed Journals (\*student authors)**

1. Darling White, M., and Huber, J.E. (accepted). The Impact of Expiratory Muscle Strength Training on Speech Breathing in Individuals with Parkinson’s Disease: A Preliminary Study. *American Journal of Speech-Language Pathology.*
2. Sundarrajan\*, A., Huber, J.E., and Sivasankar, M.P. (accepted). Respiratory and laryngeal changes in vocal loading in young and old adults. *Journal of Speech, Language, Hearing Research.*
3. Huber, J.E., and Darling White, M. (in press, Invited). Longitudinal changes in speech breathing in older adults with and without Parkinson’s disease. *Seminars in Speech and Hearing.*
4. Matheron\*, D., Stathopoulos, E.T., Huber, J.E., Sussman, J. (2017). Laryngeal aerodynamics in healthy older adults and adults with Parkinson’s disease. *Journal of Speech, Language, and Hearing Research, 60,* 507-524.
5. Liddy\*, J.L., Zelaznik, H.N., Huber, J.E., Rietdyk, S., Claxton, L.J., Samuel, A., Haddad, J.M. (2017). The efficacy of the Microsoft KinectTM to assess human bimanual coordination. *Behavior Research Methods, 49(3),* 1030-1047*.* doi: 10.3758/s13428-016-0764-7
6. Chagdes, J.R., Huber, J.E., Saletta\*, M., Darling-White\*, M., Raman, A., Rietdyk, S., Zelaznik, H.N., and Haddad, J.M. (2016, Invited). The relationship between intermittent limit cycles and postural stability associated with Parkinson’s disease. *Journal of Sport and Health Sciences, 5,* 14-24. doi.org/10.1016/j.jshs.2016.01.005
7. Brandimore\*, A.E., Troche, M.S., Huber, J.E., and Hegland, K.W. (2015). Respiratory kinematic and airflow differences between reflex and voluntary cough in healthy young adults. *Frontiers in Physiology, 6, article 284,* 1-10. doi: fphys.2015.00284
8. Richardson\*, K., Sussman, J.E., Stathopoulos, E.T., and Huber, J.E. (2014). The effect of increased vocal intensity on interarticulator timing in speakers with Parkinson’s disease: A preliminary analysis. *Journal of Communication Disorders, 52,* 44-64*.*
9. Stathopoulos, E.T., Huber, J.E., Richardson\*, K., DeCicco\*, D., Kamphaus\*, J., Fulcher\*, K., and Sussman, J.E. (2014). Increased vocal intensity due to the Lombard effect in speakers with Parkinson’s disease: Simultaneous laryngeal and respiratory strategies. *Journal of Communication Disorders, 48,* 1-17 (PMID: 24438910). doi: 10.1016/j.jcomdis.2013.12.001
10. Haddad, J.M., Rietdyk, S., Claxton, L.J., and Huber, J.E. (2013, Invited). Task-dependent postural control throughout the life-span. *Exercise and Sports Science Reviews, 41 (2),* 123-132 (PMID: 23364347). doi: 10.1097/JES.0b013e3182877cc8
11. Kemmerer, D., Miller\*, L.,MacPherson\*, M.K., Huber, J., and Tranel, D. (2013). An investigation of semantic similarity judgments about action and non-action verbs in Parkinson’s disease: Implications for the Embodied Cognition Framework. *Frontiers in Human Neuroscience, 7:146,* 1-19 (PMID: 23616759)*.* doi: 10.3389/fnhum.2013.00146
12. Huber, J.E., Darling\*, M., Francis, E.J., and Zhang, D. (2012). Impact of typical aging and Parkinson’s disease on the relationship among breath pausing, syntax, and punctuation. *American Journal of Speech-Language Pathology, 21,* 368-379 (PMID: 22846880). doi: 10.1044/1058-0360(2012/11-0059)
13. Darling\*, M.and Huber, J.E. (2011). Changes to articulatory kinematics in response to loudness cues in individuals with Parkinson’s disease. *Journal of Speech, Language, and Hearing Research, 54,* 1247-159 (PMID: 21386044). doi: 10.1044/1092-4388(2011/10-0024)
14. Stathopoulos E.T., Huber, J.E., and Sussman, J.E. (2011). Changes to acoustic characteristics of the voice across the life span: Measures from individuals 4-93 years of age. *Journal of Speech, Language, and Hearing Research, 54,* 1011-1021 (PMID: 21173391). doi: 10.1044/1092-4388(2010/10-0036)
15. Wheeler Hegland\*, K.M., Huber, J.E., Pitts\*, T., Davenport, P., and Sapienza, C.M. (2011). Lung volume measured during sequential swallowing in healthy young adults. *Journal of Speech, Language, and Hearing Research, 54,* 777-786 (PMID: 20966381). doi: 10.1044/1092-4388(2010/09-0237)
16. Huber, J.E. and Darling\*, M. (2011). Effect of Parkinson’s disease on the production of structured and unstructured speaking tasks: Respiratory physiologic and linguistic considerations. *Journal of Speech, Language, and Hearing Research, 54,* 33-46 (PMID: 20844256)*.* doi: 10.1044/1092-4388(2010/09-0184)
17. MacPherson\*, M.K., Huber, J.E., and Snow, D.P. (2011). The intonation-syntax interface in the speech of individuals with Parkinson’s disease. *Journal of Speech, Language, and Hearing Research, 54,* 19-32 (PMID: 20699346). doi: 10.1044/1092-4388(2010/09-0079)
18. Zenartu\*, M., Ho\*, J.C., Kraman, S.S., Pasterkamp, H., Huber, J.E., and Wodicka, G.R. (2009). Air-borne and tissue-borne sensitivities of bioacoustic sensors used on the skin surface. *IEEE Transactions on Biomedical Engineering, 56(2),* 443-451 (PMID: 19272887). doi: 10.1109/TBME.2008.2008165
19. Wheeler Hegland\*, K.M., Huber, J.E., Pitts\*, T., and Sapienza, C.M. (2009). Lung volume during swallowing: Single bolus swallows in healthy young adults. *Journal of Speech, Language, and Hearing Research, 52,* 178-187 (PMID: 18723599). doi: 10.1044/1092-4388(2008/07-0165)
20. Huber, J.E. (2008). Effects of utterance length and vocal loudness on speech breathing in older adults. *Respiratory Physiology and Neurobiology, 164,* 323-330 (PMID: 18790093). doi:10.1016/j.resp.2008.08.007
21. Huber, J.E., and Spruill\*, J. (2008). Age-related changes to speech breathing with increased vocal loudness. *Journal of Speech, Language, and Hearing Research, 51*, 651-668 (PMID: 18506042). doi: 10.1044/1092-4388(2008/047)
22. Huber, J.E. (2007). Effect of cues to increase sound pressure level on respiratory kinematic patterns during connected speech. *Journal of Speech, Language, and Hearing Research, 50,* 621-634 (PMID: 17538105).
23. Sadagopan\*, N., and Huber, J.E. (2007). Effects of loudness cues on respiration in individuals with Parkinson’s disease. *Movement Disorders, 22,* 651-659 (PMID: 17266087).
24. Huber, J.E. and Chandrasekaran\*, B. (2006). Effects of increasing sound pressure level on lip and jaw movement parameters and consistency in young adults. *Journal of Speech, Language, and Hearing Research, 49,* 1368-1379 (PMID: 17197502).
25. Huber, J.E., Chandrasekaran\*, B., and Wolstencroft\*, J.J. (2005). Changes to respiratory mechanisms during speech as a result of different cues to increase loudness. *The Journal of Applied Physiology, 98,* 2177-2184 (PMID: 15705723).
26. Laczi\*, E., Sussman, J.E., Stathopoulos, E.T., and Huber, J.E. (2005). Perceptual evaluation of hypernasality compared to HONC measures: The role of experience. *Cleft Palate-Craniofacial Journal, 42,* 202-211.
27. Huber, J.E., Stathopoulos, E.T., and Sussman, J.E. (2004). The control of aerodynamics, acoustics, and perceptual characteristics during speech production. *Journal of the Acoustical Society of America, 116,* 2345-2353 (PMID: 15532665).
28. Huber, J.E., Stathopoulos, E.T., Ramig, L.O., and Lancaster\*, S.L. (2003). Respiratory function and variability in individuals with Parkinson Disease: Pre- and post-Lee Silverman Voice Treatment. *Journal of Medical Speech-Language Pathology, 11(4),* 185-201.
29. Huber, J.E., and Stathopoulos, E.T. (2003). Respiratory and laryngeal responses to an oral air pressure bleed during speech. *Journal of Speech, Language, and Hearing Research, 46,* 1207-1220 (PMID: 14575353).
30. Huber, J.E., Spievack, A., Simmons-Byrd, A., Ringel, R.L., and Badylak, S. (2003). The extracellular matrix as a scaffold for laryngeal reconstruction. *Annals of Otology, Rhinology, and Laryngology, 112 (5),* 428-433 (PMID: 12784982).
31. Huber, J.E., Stathopoulos, E.T., Curione, G.M., Ash, T.A., and Johnson, K.J. (1999). The effect of vocal intensity variation on the formant frequencies and amplitudes in children, women, and men. *Journal of the Acoustical Society of America, 106,* 1532-1542.
32. Huber, J.E., Stathopoulos, E.T., Bormann, L.A., and Johnson, K. (1998). Effects of a circumferentially-vented pneumotachograph mask on respiratory kinematic and volumetric measures. *Journal of Speech, Language, and Hearing Research, 41,* 472-478.

**Invited Chapters**

1. Bunton, K., and Huber, J.E. (in press). Articulation and resonance. Anatomy and Physiology for Speech and Hearing. Thieme.
2. Huber, J.E., and Stathopoulos, E.T. (2015). Speech breathing across the life span. The Handbook of Speech Production, pp 11-33. John Wiley & Sons.

**Invited Papers with a Clinical Education Focus**

1. Huber, J.E., Stathopoulos, E.T., Tjaden, K., and Sussman, J.E. (2010). Obtaining objective data in clinical settings: Basic techniques for the clinician. *ASHA Leader, 15(12),* 12-15*.*
2. Huber, J.E. (2004). Using aerodynamic measurements as indicators of respiratory, laryngeal, articulatory, and velopharyngeal function. *Perspectives on Voice and Voice Disorders, ASHA Division 3 Newsletter, 14 (2),* 14-16.

**Work in Progress**

1. Huber, J.E., Stathopoulos, E.T., Kawalick\*, G., Sussman, J.E., Snyder, S., Richardson\*, K., Matheron\*, D., and Darling-White\*, M. (in revision). Changes to Respiratory and Laryngeal Function after Daily Treatment with the Lombard Effect for Speech Impairments in Parkinson’s Disease. *Journal of Speech, Language, and Hearing Research.*

**FUNDED GRANT SUPPORT**

**Extramural Research Grants**

Title: Development of a Telehealth Platform for Treatment with the SpeechVive device

Role: co-PI (with A. Lambert, SpeechVive)

Agency: NIH NIDCD, SBIR

Duration: 4/1/16-3/31/18

Total Project Support: $1,239,647.00 (subcontract to Purdue: $277,541.00), ongoing

Title: Research Infrastructure Offices (ORIP) S10-HEI 3T MRI Scanner dedicated to Life Sciences Research

Role: Major User

Agency: NIH

Duration: 07/01/2014 - 06/30/2015

Total Project Support: $2,000,000, completed

Title: Toward the Development of an Integrated Balance and Cognitive Training Paradigm to Improve Quality of Life and Reduce Falls in Individuals with Parkinson’s Disease

Role: co-PI (with J. Haddad, Purdue)

Agency: Microsoft SEIF

Duration: 4/1/14-

Total Project Support: $40,000.00, ongoing

Title: Toward the Development of an Integrated Balance and Cognitive Training Paradigm to Improve Quality of Life and Reduce Falls in Individuals with Parkinson’s Disease

Role: co-PI (with J. Haddad, Purdue)

Agency: Indiana CTSI

Duration: 3/1/14-6/30/16

Total Project Support: $16,320.00, completed

Title of Grant: Microsoft Small Equipment Grant

Role: Co-PI (with J. Haddad, Purdue)

Agency: Microsoft

Duration: 9/15/13-6/30/16

Total Project Support: $2,000.00, completed

Title: Impact of Medical and Surgical Therapies on Communication in PD

Role: consultant

Agency: IU Health Values Fund for Research

Duration: 5/1/12-4/30/14

Total Project Support: $100,000.00, completed

Title: Clinical Efficacy of SpeechVive

Role: PI

Agency: SpeechVive

Duration: 8/1/10-5/15/15

Total Project Support: $500,000.00, completed

Title: Use of External Cueing to Treat Hypophonia in Parkinson’s Disease

Role: PI

Agency: National Institutes of Health, R01

Duration: 4/1/08-3/31/15

Total Direct Costs: $1,250,000; Total Costs: $1,871,117, completed

Title: Use of External Cueing to Treat Hypophonia in Parkinson’s Disease

Role: PI

Agency: National Institutes of Health, Administrative Supplement (CLIN)

Duration: 7/17/09-6/30/11

Total Direct Costs: $150,707; Total Costs: $225,405, completed

Title: Physiological Effects of Hyperosmotic Vocal Fold Surface Fluid

Role: Co-investigator

Agency: National Institutes of Health, R03

Duration: 3 years

Total Direct Costs: $300,000; Total Costs: $457,305, completed

Title: Advancing Academic-Research Careers (AARC) Award

Role: PI

Agency: American Speech-Language-Hearing Association (ASHA)

Duration: 9/1/04-8/31/05

Total Direct Costs: $5,000; No indirect costs, completed

Title: Speech Kinematics in Parkinson’s Disease

Role: PI

Agency: National Institutes of Health, R03

Duration: 9/1/02-8/31/05

Total Direct Costs: $150,000; Total Costs: $222,000, completed

**Extramural Research Grants in Support of Students**

Title of Grant: Communication Disorders

Role: Associate Director

Agency: National institutes of Health, T32

Duration: 07/01/17-6/30/22

Total Project Support: 1,984,454.00, ongoing

Title of Grant: Enhancing Speech Naturalness Using Respiratory Treatment in Parkinson’s Disease

Role: Mentor (Student: Meghan Darling)

Agency: National Institutes of Health, F31

Duration: 01/01/12-07/31/13

Total Project Support: $178,999.00, completed

Title: Students Preparing for Academic & Research Careers (SPARC) Award

Role: Mentor (Student: Meghan Darling)

Agency: American Speech-Language-Hearing Association (ASHA)

Duration: 9/1/05-8/31/06

Total Project Support: $1500 for student, $500 honorarium for faculty, completed

Title: Students Preparing for Academic & Research Careers (SPARC) Award

Role: Mentor (Student: Erin Jenison)

Agency: American Speech-Language-Hearing Association (ASHA)

Duration: 9/1/04-8/31/05

Total Project Support: $1500 for student, $500 honorarium for faculty, completed

**Intramural Research Grants**

Title: MR Compatible Microphone

Role: PI

Agency: Purdue Institute for Integrative Neuroscience

Duration: 7/1/16-12/31/16

Total Project Support: $10,600, completed

Title: HHS Center - Center for the Study of Brain, Behavior, and NeuroRehabilitation (CEREBBRAL)

Role: Co-Director (with S. Helie, Purdue)

Agency: College of Health and Human Science at Purdue University

Duration: 5/1/17-4/30/20

Total Project Support: $173,000, ongoing

Title: Neurological Underpinnings of the Lombard Effect and Training with the SpeechVive in People with Parkinson’s Disease

Role: Co-PI (with S. Helie, Purdue)

Agency: College of Health and Human Sciences at Purdue University 3T MRI Pilot Grant Program

Duration: 10/21/13-

Total Project Support: $3,000, ongoing

Title: Category II Emerging Research Incentive Grant

Role: Co-PI (with P. Sivasankar, Purdue)

Agency: Office of the Vice President for Research (OVPR) at Purdue University

Duration: 2/18/13-5/31/15

Total Project Support: $97,274, completed

Title: Entrepreneurial Leadership Academy

Role: Faculty Scholar

Agency: The Burton D. Morgan Center for Entrepreneurship in Discovery Park

Duration: 8/16/11-8/15/12

Total Project Support: $15,000, completed

Title: Enhancing Speech Naturalness Using Respiratory Treatment in Parkinson’s Disease

Role: Mentor (Student: Meghan Darling)

Agency: PRF Research Grant for Doctoral Student Support

Duration: 7/1/11-6/30/12

Total Project Support: ~$50,000.00 (stipend and tuition for 1 year), completed

Title: Entrepreneurial Leadership Academy

Role: Participant

Agency: The Burton D. Morgan Center for Entrepreneurship in Discovery Park

Duration: 8/16/10-8/15/12

Total Project Support: $5,000, completed

Title: A Novel Rat Model of Pre-diagnosis Cognitive Symptoms in Parkinson’s Disease

Role: Co-investigator

Agency: Ralph W. and Grace M. Showalter Research Trust Fund

Duration: 7/1/10-6/30/12

Total Project Support: $75,000, completed

Title: Center for Assistive Technology (CAT) Demonstration Project

Agency: Family and Social Services Administration, State of Indiana through Regenstrief Center for Healthcare Engineering

Role: PI

Duration: 3/6/09-12/31/09

Total Project Support: $18,912, completed

Title: Purdue Project Development Grant

Role: PI

Agency: Indiana CTSI

Duration: 1/27/2009-12/31/2009

Total Project Support: $10,000, completed

Title: Effects of Typical Age-Related Cognitive Decline in Everyday Dual Tasks

Role: PI

Agency: Purdue University, Research Incentive Grant

Duration: 11/2008-12/2009

Total Project Support: $1,150.00, completed

Title: Effect of Parkinson’s Disease on Respiration and Intonation: A Longitudinal Study

Role: PI

Agency: Purdue University, Research Incentive Grant

Duration: 11/2007-12/2008

Total Project Support: $500.00, completed

Title: Influence of Planning and Syntax on Breath Pausing Patterns

Role: PI

Agency: Purdue University, Summer Faculty Grant

Duration: Summer 2007

Total Project Support: $7000.00, completed

Title: Research Support Grant

Role: PI

Agency: Richard and Mary Lou Hazelton Faculty Development Fund

Duration: 1/9/06-8/31/07

Total Project Support: $1000.00, completed

Title: Speech Kinematics in Parkinson’s Disease

Role: PI

Agency: The Center on Aging and the Life Course (CALC) at Purdue University, Research Support Grant

Duration: 1 year

Total Project Support: $1000.00, completed

**SCIENTIFIC PATENTS**

US Patent Publication number: 9381110, Huber et al., Method and System for Training Voice Patterns, granted 7/5/16

US Patent Publication number: 9532897, Huber et al., Devices That Train Voice Patterns and Methods Thereof, granted 1/3/17

**GRANT REVIEW**

2016-2020 Standing Committee Member, Motor Function, Speech, and Rehabilitation Study Section (MFSR) at National Institutes of Health

2016 Ad-Hoc Reviewer, NIH/NINDS

2012-2014 Ad-Hoc Reviewer, NIH/NIDCD

2012-2013 Reviewer for the ASHA Students Preparing for Academic & Research Careers (SPARC) Award Applications

2012 Ad-Hoc Reviewer, Boston University CTSI

2011-2012 Grant Reviewer for the ASHA Advancing Academic Research Career

(AARC) Award Applications

2011 Ad-Hoc Reviewer, Michael J. Fox Foundation

2008 External Reviewer, Research Grants Council of Hong Kong

2006-2009 Grant Reviewer, Department of Veterans Affairs Rehabilitation Research and Development Service

2006 Expert Reviewer for Canada Foundation for Innovation, New Initiatives Fund

**PEER REVIEW**

2017-present Editorial Board Member, Journal of Speech, Language, and Hearing Research

2012-2016 Associate Editor, Journal of Communication Disorders

2009-2011 Guest Associate Editor, Journal of Speech, Language, and Hearing Research

2008 – 2010 Associate Editor, American Journal of Speech-Language

Pathology

Reviewer for:

* Acoustics Research Letters Online (ARLO)
* Allyn & Bacon Publishers
* American Journal of Speech-Language Pathology
* Butterworth Heinemann Publishing
* Elsevier Publishing
* Experimental Brain Research
* Folia Phoniatrica et Logopaedica
* IEEE Transactions on Biomedical Engineering
* International Journal of Language & Communication Disorders
* International Journal of Speech-Language Pathology
* Jones and Bartlett Publishers
* Journal of Communication Disorders
* Journal of Phonetics
* Journal of Speech, Language, and Hearing Research
* Language and Cognition
* Logopedics Phoniatrics Vocology
* Movement Disorders
* Neurodegenerative Disease Management
* Psychological Reports Perceptual and Motor Skills
* SpeechPathology.com
* The Journal of the Acoustical Society of America
* Thieme Publishing

**PRESENTATIONS**

**Invited Conference Presentations**

1. Huber, J.E. (2016, June). Using technology and ‘at-home’ therapy to improve speech, cognition, and stability in people with Parkinson’s disease. Invited Seminar, University of Illinois, Urbana-Champaign, IL.
2. Huber, J.E. (2016, February). How does speech change in Parkinson’s disease and what can we do about it. Invited Seminar, University of Arizona, Tucson, AZ.
3. Huber, J.E. (2016, January). How does speech change in Parkinson’s disease and what can we do about it. Invited Seminar, Indiana University, Bloomington, IN.
4. Huber, J.E. (2015, October). Invited Panelist: I am NOT old, why do I sound old? Fall Voice Conference, Pittsburgh, PA.
5. Huber, J.E. (2015, October). Using wearable devices and repurposed gaming technology to improve quality of life. Invited keynote address at the Great Plains Alliance for Computers and Writing Conference, St. Paul, Minnesota.
6. Huber, J.E. (2014, November). Changes to speech breathing with typical aging. Invited session presentation (Speech Breathing) at the annual convention of the American Speech-Language-Hearing Association, Orlando, FL.
7. Huber, J.E. (2012, November). Speech changes in Parkinson’s disease. Invited session presentation (Parkinson’s Disease: A Multidisciplinary Approach to Assessment, Treatment, & Research) at the annual convention of the American Speech-Language-Hearing Association, Atlanta, GA.
8. Huber, J.E. (2012, November). Respiratory function: Parkinson’s disease. Invited session presentation (Respiratory Function: Assessment & Treatment in Disease) at the annual convention of the American Speech-Language-Hearing Association, Atlanta, GA.
9. Huber, J.E. (2011, November). Neural mechanisms underlying speech and voice impairments in individuals with Parkinson’s disease. Minisymposium presentation (Neural Mechanisms Underlying Vocalization in Multiple Species: A Special Focus on Parkinson’s Disease) at the annual convention of the American Speech-Language-Hearing Association, San Diego, CA.
10. Huber, J.E. (2010, November). Assessing and treating the respiratory system to improve intelligibility. Invited session presentation (Making the Unintelligible Intelligible in Motor Speech) at the annual convention of the American Speech-Language-Hearing Association, Philadelphia, PA.
11. Huber, J.E. (2010, November). Neural mechanisms underlying speech and voice impairments in individuals with Parkinson’s disease. Invited minisymposium presentation (Neural Mechanisms Underlying Vocalization in Multiple Species: A Special Focus on Parkinson’s Disease) at the Society for Neuroscience Annual Meeting, San Diego, CA.
12. Huber, J.E. (2010, April). Exemplary CTSI Investigator – Device delivered cueing to treat speech in Parkinson’s disease. Invited presentation at the Second Annual Meeting of the Indiana Clinical and Translational Sciences Institute (CTSI), Indianapolis, IN.
13. Huber, J.E. (2009, November). Objective assessment of the respiratory system. Invited session presentation (Basic Techniques for Obtaining Objective Data in Clinical Settings) at the annual convention of the American Speech-Language-Hearing Association, New Orleans, LA.
14. Huber, J.E. (2008, September). Respiratory and laryngeal components for speech. Invited presentation at the First International Symposium on Audible Acoustics in Medicine and Physiology at Purdue University, West Lafayette, Indiana.
15. Huber, J.E. (2002, November). Neurology of the respiratory system. Invited session presentation (Improvement of Speech Production in Individuals with Spinal Cord Injury) at the annual convention of the American Speech-Language-Hearing Association, Atlanta, Georgia.

**Conference Presentations**

1. Huber, J.E., Snyder, S., Rountrey, C.E., and Ludlow, C.L. (2016, September). Use of the SpeechVive device improves communication in people with Parkinson’s disease. Poster presented at the World Parkinson’s Congress, Portland, Oregon.
2. Haddad, J.M., Snyder, S., McDonough, M., Rietdyk, S.R., Simon, K., Altenburger, P.A., Zauber, S.E., and Huber, J.E. (2016, September). A combined cognitive- and balance-based training intervention for people with Parkinson’s disease: COBALT. Poster presented at the World Parkinson’s Congress, Portland, Oregon.
3. Salsabili, H., Huber, J.E., Snyder, S., Simon, K., McDonough, M., Rietdyk, S.R., Haddad, J.M. (2016, September). The integration between posture, manual control, and speech in people with Parkinson’s disease. Poster presented at the World Parkinson’s Congress, Portland, Oregon.
4. Chagdes, J.R., Liddy, J.J., Huber, J.E., Zelaznik, H.N., Rietdyk, S., Raman, A., & Haddad, J.M. (2016, August). Dynamic instabilities induced through altered visual cues and their relationship to postural response latencies. Presentation at the American Society of Mechanical Engineering, International Design Engineering Technical Conferences & Computer and Information in Engineering Conference, Charlotte, North Carolina.
5. Liddy, J. J., Chagdes, J. R., Huber, J. E., Zelaznik, H. N., Rietdyk, S., Raman, A., Haddad J. M. (2016, June). Neuromuscular time-delay and visually induced dynamic instabilities. Poster presented at the North American Society for the Psychology of Sport and Physical Activity 2016 Conference, Montreal, QC, Canada.
6. Herndon, N., Sundarrajan, A., Sivasankar, M.P., and Huber, J.E. (2015, November). Respiratory and laryngeal function in occupational voice users following a loading challenge. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Denver, CO.
7. Haddad, J.M., Huber, J.E., Samuel, A., and Demiris, G. (2015, October). Using easily available sensors and cloud software tools to develop functional assessments and home-based mobility interventions. Symposium presented at the annual American College of Rehabilitative Medicine Conference, Dallas, Texas.
8. Raffegeau, T.E., Haddad, J.M., Huber, J.E., and Rietdyk, S. (2015, July). Walking while talking is cognitively demanding for young adults. Poster presented at the annual world congress of the International Society for Posture & Gait Research, Seville, Spain.
9. Huber, J.E., Snyder, S., Rountry, C.E., and Ludlow, C.L. (2015, June). Use of the SpeechVive improves communication in people with Parkinson’s disease. Poster presented at the annual convention of the Movement Disorders Society, San Diego, CA.
10. Huber, J.E., Stathopoulos, E.T, and Sussman, J.E. (2014, November). Changes to respiratory and laryngeal function after SpeechVive treatment in individuals with Parkinson’s disease. Seminar presented at the annual convention of the American Speech-Language-Hearing Association, Orlando, FL.
11. Sundarrajan, A., Huber, J.E., and Sivasankar, P.M. (2014, November). Effects of aging on the laryngeal and respiratory system. Paper presented at the annual convention of the American Speech-Language-Hearing Association, Orlando, FL.
12. Ranjini, M., and Huber, J.E. (2014, November). Language production of persons with Parkinson’s disease & older adults: A longitudinal analysis. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Orlando, FL.
13. Zauber, S.E., and Huber, J.E. (2014, June). The effects of dopaminergic drugs and deep brain stimulation on speech in Parkinson’s disease. Poster presented at the annual convention of the Movement Disorders Society, Stockholm, Sweden.
14. Darling White, M., Huber, J.E., and Barnes, D. (2014, February). Syntactic disambiguation in individuals with Parkinson’s disease. Poster presented at the Biennial International Conference on Motor Speech, Sarasota, FL.
15. Matheron, D., Stathopoulos, E.T., Huber, J.E., and Sussman, J. (2014, February). A comparison of Lombard-elicited changes on laryngeal aerodynamics in healthy older adults and adults with Parkinson’s disease. Poster presented at the Biennial International Conference on Motor Speech, Sarasota, FL.
16. Darling White, M. and Huber, J.E. (2013, November). Changes to prosody in individuals with Parkinson’s disease. Paper presented at the annual convention of the American Speech-Language-Hearing Association, Chicago, IL.
17. Matheron, D., Stathopoulos, E.T., Huber, J.E., and Sussman, J.E. (2013, November). Acoustic analysis of voice in individuals with PD with Lombard-elicited changes in SPL. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Chicago, IL.
18. Huber, J.E., Stathopoulos, E.T., Sussman, J.E., Snyder, S., & Richardson, K. (2013, October). Using the SpeechVive to treat speech impairments in Parkinson’s disease. Poster presented at the World Parkinson’s Congress, Montreal, Quebec.
19. Zauber, S.E., & Huber, J.E. (2013, October). The effects of dopaminergic drugs on speech in individuals with Parkinson’s disease. Poster presented at the World Parkinson’s Congress, Montreal, Quebec.
20. Raffegeau, T., Rietdyk, S., Haddad, J. M., & Huber, J.E. (2013, June). The impact of extemporaneous speech on adaptive locomotion. Paper presented at the National Association of Sport Psychology and Physical Activity, New Orleans, Louisiana.
21. Raffegeau, T., Rietdyk, S., Haddad, J.M., and Huber, J.E. (2013, May). Gait and speech are interdependent in young healthy adults. Poster presentation at the 60th Annual Meeting of the American College of Sports Medicine and 4th World Congress on Exercise is Medicine, Indianapolis, Indiana. Abstract published in: Medicine and Science in Sports and Exercise, 45, S250.
22. Darling, M. and Huber, J.E. (2012, November). Changes in speech breathing post-EMST in individuals with Parkinson’s disease. Paper presented at the annual convention of the American-Speech-Language-Hearing Association, Atlanta, GA.
23. Darling, M. and Huber, J.E. (2012, November). Pause patterns in individuals with Parkinson’s disease: A longitudinal study. Poster presented at the annual convention of the American-Speech-Language-Hearing Association, Atlanta, GA.
24. Huber, J.E., Stathopoulos, E.T., Sussman, J.E., Darling, M., Snyder, S., and Richardson, K. (2012, March). Changes to physiology as a result of a new treatment for individuals with Parkinson’s disease. Paper presented at the Biennial International Conference on Motor Speech, Santa Rosa, CA.
25. Saletta, M., Darling, M., Ryu, J.H., Haddad, J., Goffman, L., Francis, E.J., and Huber, J.E. (2012, March). Interaction of syntactic complexity, memory load, and balance in Parkinson’s disease. Paper presented at the Biennial International Conference on Motor Speech, Santa Rosa, CA.
26. Richardson, K., Sussman, J., Stathopoulos, E., and Huber, J.E. (2012, March). The effect of increased vocal intensity on interarticulator timing in Parkinson’s disease: A preliminary analysis. Poster presented at the Biennial International Conference on Motor Speech, Santa Rosa, CA.
27. Huber, J.E., Stathopoulos, E.T., Sussman, J.E., Snyder, S., Richardson, K., and Darling, M. (2011, November). A new treatment, SpeechViveTM, for patients with Parkinson’s disease. Paper presented at the annual convention of the American Speech-Language-Hearing Association, San Diego, CA.
28. Stathopoulos, E.T., Huber, J.E., Sussman, J.E., Richardson, K., DeCicco, D., Kamphaus, J., Fulcher, K., Darling, M. (2011, November). Laryngeal aerodynamic and respiratory kinematic strategies to increase vocal intensity as a result of the Lombard Effect: Speakers with Parkinson’s disease. Paper presented at the annual convention of the American Speech-Language-Hearing Association, San Diego, CA.
29. Francis, E.J., Huber, J.E., Haddad, J.M., Darling, M., and Saletta, M. (2011, January). Effects of age, Parkinson’s disease, syntactic complexity, and balance on sentence production. Poster presented at the annual meeting of the Linguistic Society of America, Pittsburgh, PA.
30. Kamphaus, J.A., Bovarsky, B.A., Sussman, J.E., Stathopoulos, E.T., Huber, J.E., and Richardson, K.C. (2010, April). The effect of increased SPL on anticipatory coarticulation of tense vowel formants in VCV structure for patients with Parkinson’s disease. Poster presented at Meeting of the Acoustical Society of America, Baltimore, MD.
31. Huber, J.E., Stathopoulos, E.T., Sussman, J.E., and Darling, M. (2010, March). Effect of speech task on respiratory support in individuals with Parkinson’s disease. Poster presented at the Biennial International Conference on Motor Speech, Savannah, GA.
32. Huber, J.E., Darling, M., and Moran, M. (2010, March). Longitudinal changes to respiratory function for speech in individuals with Parkinson’s disease. Poster presented at the Biennial International Conference on Motor Speech, Savannah, GA.
33. Darling, M., Huber, J.E., and Francis, E. (2010, March). Longitudinal examination of the influence of syntax on breath patterns in individuals with Parkinson’s disease. Paper presented at the Biennial International Conference on Motor Speech, Savannah, GA.
34. Kemmerer, D., Miller, L., MacPherson, M.K., and Huber, J. (2009). An investigation of semantic similarity judgements for action and non-action verbs in Parkinson’s disease: Implications for the Embodied Cognition Hypothesis. Paper presented at the Cognitive Neuroscience Society, San Francisco, CA.
35. Miller, L., Kemmerer, D., MacPherson, M.K., and Huber, J. (2009). An investigation of semantic similarity judgements for action and non-action verbs in Parkinson’s disease: Implications for the Embodied Cognition Hypothesis. Paper presented at the Midwest Psychological Association, Chicago, IL.
36. Huber, J.E., Darling, M., and Francis, E.J. (2008, November). Relationship between syntactic importance and breath pausing in extemporaneous speech. Paper presented at the annual convention of the American Speech-Language-Hearing Association, Chicago, IL.
37. Zenartu, M., Ho, J.C., Kraman, S., Pasterkamp, H., Huber, J.E., and Wodika, G.R. (2008, May). Air-borne and tissue-borne sensitivity of skin-radiation acoustic sensors. Poster presented at the Acoustics ’08 Conference, Paris, France.
38. Huber, J.E., Darling, M., and Francis E. J. (2008, March). Influence of punctuation and syntax on breath patterns in reading. Poster presented at the Biennial Conference on Motor Speech, Monterey, CA.
39. MacPherson, M., Huber, J.E., and Snow, D.P. (2008, March). Perception of syntactic boundaries in speech produced by individuals with Parkinson’s disease: The effects of linguistic context, loudness, and listener experience. Poster presented at the Biennial Conference on Motor Speech, Monterey, CA.
40. Stathopoulos, E.T., Huber, J.E., and Sussman, J.E. (2008, March). The study of speech motor control as a developmental life span phenomenon. Poster presented at the Biennial Conference on Motor Speech, Monterey, CA.
41. MacPherson, M., Huber, J.E., and Snow, D.P. (2007, November). Use of intonation to signal syntactic boundaries in Parkinson’s disease. Paper presented at the annual convention of the American Speech-Language-Hearing Association, Boston, MA.
42. Darling, M., and Huber, J.E. (2007, November). Articulatory movements as a function of aging, disease, and loudness. Paper presented at the annual convention of the American Speech-Language-Hearing Association, Boston, MA.
43. Stathopoulos, E. T., Sussman, J.E., and Huber, J.E. (2007, November). A cross-sectional study of aging voices: Acoustic-perceptual measures. Paper presented at the annual convention of the American Speech-Language-Hearing Association, Boston, MA.
44. Wheeler, K., Huber, J.E., Pitts, T., and Sapienza, C. (2006, November). Lung volumes associated with swallowing different bolus volumes and consistencies. Paper presented at the annual convention of the American Speech-Language-Hearing Association, Miami, Florida.
45. Sadagopan, N. andHuber, J.E. (2006, March). Effects of loudness cues on respiration in individuals with PD. Paper presented at the Biennial Conference on Motor Speech, Austin, Texas.
46. Stathopoulos, E., Sussman, J., Bucknum, N., and Huber, J.E. (2006, March). Acoustic and perceptual correlates of the normal aging voice. Poster presented at the Biennial Conference on Motor Speech, Austin, Texas.
47. Huber, J.E.,and Spruill, III, J. (2005, November). Effects of loudness cues on respiration in elders. Paper presented at the annual convention of the American Speech-Language-Hearing Association, San Diego, California.
48. Chandrasekaran, B., and Huber, J.E. (2004, November). Young adults’ respiratory patterns and speech variability in noise. Paper presented at the annual convention of the American Speech-Language-Hearing Association, Philadelphia, Pennsylvania.
49. Huber, J.E., Stathopoulos, E.T., and Sussman, J.E. (2004, June). The control of aerodynamics, acoustics, and perceptual characteristics during speech. Poster presented at the From Sound to Sense: Fifty+ Years of Discoveries in Speech Communication, Cambridge, Massachusetts.
50. Huber, J.E., Chandrasekaran, B., and Wolstencroft, J.J. (2004, March). The effect of increased sound pressure level on acoustics, articulation, and respiration. Poster presented at the Biennial Conference on Motor Speech, Albuquerque, New Mexico.
51. Robinson, T.E. and Huber, J.E. (2004, March). Increasing sound pressure level: The effect of three cues. Poster presented at the Biennial Conference on Motor Speech, Albuquerque, New Mexico.
52. Stathopoulos, E.T. and Huber, J.E. (2004, March). Spectral characteristics of children’s voices: Noise and SPL variation. Poster presented at the Biennial Conference on Motor Speech, Albuquerque, New Mexico.
53. Huber, J.E., Ringel, R.L., Spievack, A., Badylak, S.F., Walsh, B., Hillsamer, P.J., Simmons-Byrd, A., and Kahane, J. (2002, December). Tissue remodeling in dogs after modified and standard hemilaryngectomy. Paper presented at the Fourth SIS-ECM Symposium, Phoenix, AZ.
54. Huber, J.E., Ringel, R.L., Badylak, S., Kahane, J., Walsh, B., and Hillsamer, P. (2002, November). Tissue remodeling post-hemilaryngectomy: Acoustic/anatomic/histologic result. Paper presented at the annual convention of the American Speech-Language-Hearing Association, Atlanta, GA.
55. Huber, J.E. and Stathopoulos, E.T. (2002, March). Respiratory and laryngeal responses to an oral air pressure bleed during speech. Paper presented at the Biennial Conference on Motor Speech, Williamsburg, VA.
56. Huber, J.E., Stathopoulos, E.T., and Ramig, L.O. (2000, November). Respiratory and laryngeal variability in individual’s with Parkinson’s Disease. Paper presented at the annual convention of the American Speech-Language-Hearing Association, Washington, DC.
57. Laczi, E., Sussman, J.E., Stathopoulos, E.T., and Huber, J.E. (1999, November). Validation of the HONC method. Poster presented at the annual convention of the American Speech-Language-Hearing Association San Francisco, CA.
58. Huber, J.E., Peart, M., and Stathopoulos, E.T. (1999, June). Effects of task and vocal intensity on acoustic, laryngeal aerodynamic, and respiratory kinematic measures of children, women, and men. Paper presented at the annual meeting of The Voice Foundation, Philadelphia, PA.
59. Stathopoulos, E.T. and Huber, J.E. (1999, June). Voice source characteristics of children and adults: Variations in SPL. Paper presented at the annual meeting of The Voice Foundation, Philadelphia, PA.
60. Huber, J.E., Stathopoulos, E.T., Russell, B.A., and Johnson, K.J. (1998, June). Formant frequencies in men, women, and children and the effects of vocal intensity variation. Paper presented at the annual meeting of The Voice Foundation, Philadelphia, PA.
61. Stathopoulos, E.T., Huber, J.E., Carroll, L.M., Ramig, L.O., Johnson, A., Titze, I.R., and Scherer, R.C. (1996, December). Simultaneous laryngeal and respiratory measures during varying SPL and F0 in singers. Paper presented at the meeting of the Acoustical Society of America, Honolulu, Hawaii.
62. Huber, J.E., Stathopoulos, E.T., Bormann, L.A., and Johnson, K. (1996, November). Effects of a face mask on respiratory function in adults. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Seattle, Washington.

**Invited Lectures and Clinical Presentations**

1. Huber, J.E. (2017, May). Treatment of speech in individuals with Parkinson’s disease. Invited 1-hour educational seminar at the Indiana University Medical School Parkinson’s Disease Support Group. Indianapolis, IN.
2. Huber, J.E. (2016, February). Treatment of speech in individuals with Parkinson’s disease. Invited seminar at the Illinois Speech and Hearing Conference, Chicago, IL.
3. Hammond, D., Huber, J.E., Parrish, M., and Wetzel, D. (2015, April). Use of evidence and instrumentation in the treatment of dysphagia. Invited presentation at the Indiana Speech and Hearing Conference, Indianapolis, Indiana.
4. Huber, J.E., & Malandraki, G.A. (2015, January). Eat it and preach it: Swallowing and speech in Parkinson’s disease. Invited 2-hour educational seminar at the Steady Rock PD Support Group, Indianapolis, IN.
5. Huber, J.E. (2015, January). Speech in Parkinson’s disease. Invited presentation to the Purdue Retirees Association, West Lafayette, Indiana.
6. Huber, J.E. (2014, October). New technologies for treating motor speech disorders. Invited presentation at the Crossroads Conference, West Lafayette, Indiana.
7. Huber, J.E. (2014, March). Assessment and treatment of individuals with Parkinson’s disease. Invited presentation at the Kentucky State Speech and Hearing Convention, Covington, Kentucky.
8. Huber, J.E. (2014, March). Clinical assessment and treatment of respiration in motor speech disorders. Invited presentation at the Kentucky State Speech and Hearing Convention, Covington, Kentucky.
9. Huber, J.E. (2014, January and 2014, September). Orofacial and prosodic considerations in treatment of neurodegenerative diseases. Invited online presentation for ASHA Professional Development Conference: Neurodegenerative Disorders: Maximizing Patient Outcomes.
10. Huber, J.E. (2-3 times per year from 2011-2016). Protection of human subjects in research. Guest Lecture in GS 49000: Discovery Park Undergraduate Internship program. Purdue University, West Lafayette, IN.
11. Huber, J.E. (2014, May). Treatment of speech individuals with Parkinson’s disease: Methods and Cases. Invited online presentation through SpeechPathology.com.
12. Huber, J.E. (2013, September). Treatment of speech impairments in Parkinson’s disease. Invited online presentation through SpeechPathology.com.
13. Huber, J.E. (2013, April). Assessment and treatment of Parkinson’s disease.Invited presentation at the Indiana State Speech and Hearing Convention, Indianapolis, Indiana.
14. Haddad, J. M., & Huber, J. E. (2011, April). Balance and fall prevention in older adults and adults with Parkinson’s disease. Invited presentation at the 2011 Indiana Joint National Public Health Conference, Indianapolis Indiana.
15. Huber, J.E. (2010, July). Use of external cueing for treatment of hypophonia in Parkinson’s disease. Presentation to Southern Illinois Parkinson’s Support Group, Carbondale, Illinois.
16. Huber, J.E., and Haddad, J.M. (2010, May). Managing changes to balance as a result of Parkinson’s disease. Presentation to Frankfort Parkinson’s Support Group, Frankfort, Indiana.
17. Huber, J.E.(2010, April). How Parkinson’s disease affects communication. Presentation at University Place, West Lafayette, Indiana.
18. Huber, J.E.(2010, January). Use of external cueing for treatment of hypophonia in Parkinson’s disease. Presentation at Frankfort Parkinson’s Support Group Meeting, Frankfort, IN.
19. Huber, J.E. (2009, October). Clinical assessment and treatment of respiration. Crossroads Conference, West Lafayette, IN.
20. Huber, J.E. (2009, May). Changes to communication with Parkinson’s disease. Presentation at the Fifth Annual Style Show to benefit the M.J. Fox Foundation and the American Parkinson’s Disease Association, Merrillville, Indiana.
21. Huber, J.E. (2013 April; 2012 April; 2009, April). Preparing for graduate school. Presentation to Purdue University Chapter of the National Student Speech, Language, Hearing Association.
22. Huber, J.E.(2008, November). Changes to communication with aging. Presentation at University Place, West Lafayette, Indiana.
23. Huber, J.E.(2008, November). Vital Stim treatment in patients with ALS. Presentation to the ALS Clinic at Wishard Memorial Hospital, Indianapolis, Indiana.
24. Huber, J.E. (2007, October). Research Report: Changes to speech breathing with normal aging and as a result of Parkinson’s disease. Presentation to Parkinson’s Disease Support Group, West Lafayette, Indiana.
25. Huber, J.E., and Spruill, J. (2007, September). Age-related changes to speech breathing at comfortable and increased vocal loudness. Poster presented at the Center for Aging and the Life Course Fall Symposium, West Lafayette, Indiana.
26. Huber, J.E. (2006, March). Coping with speech difficulties. Presentation at University Place Retirement Village, West Lafayette, Indiana.
27. Huber, J.E. (2005, January). Changes to respiratory patterns for speech with aging. Presentation for Interdisciplinary Gerontology Program, Purdue University, West Lafayette, Indiana.
28. Gutek, J., Walsh, B., and Huber, J.E. (2005, January) Speech and swallowing problems in elderly individuals. Presentation at Westminster Retirement Village, West Lafayette, Indiana.
29. Huber, J.E. (2003, October). Assessment and treatment of the respiratory system in individuals with dysarthria. Crossroads Conference, West Lafayette, IN.
30. Huber, J.E. (2002, May). Speech problems with Parkinson’s disease and their management. Presentation for Parkinson’s Awareness Association of Central Indiana, Indianapolis, Indiana.
31. Huber, J.E. (2001, September). Why study speech with aging? Presentation for Interdisciplinary Gerontology Program, Purdue University, West Lafayette, Indiana.
32. Huber, J.E., and Sussman, J. (1998, September). Objective evaluation of children with velopharyngeal incompetency. The Craniofacial Team of Western New York, Children’s Hospital of Buffalo, Buffalo, New York.
33. Huber, J.E. (1996, November; 1997, March). Use of objective measurement to diagnose problems in speech production. Guest Lecture at University at Buffalo, Department of Communicative Disorders and Sciences, Buffalo, New York.

**RESEARCH GUIDANCE**

**Doctoral Students:**

**Major Professor**

Pre-dissertation Briana Kiefer

Pre-dissertation Anny Alvar

2013 Meghan Darling White “Enhancing speech naturalness using respiratory treatment in individual's with Parkinson's disease”

F31 funded 2012-2014 (primary mentor)

Purdue Research Foundation Doctoral Research Grant, 2011

NIH Pre-doctoral Training Grant Fellowship (T32), 2009

American Speech-Language-Hearing Foundation New Century Scholars Award, 2011

American Speech-Language-Hearing Association Student Travel Award, 2007

American Speech-Language-Hearing Association SPARC Award Recipient, 2005

**Committee Member**

Pre-dissertation Cagla Kantarcigil, Speech, Language, and Hearing Sciences

Pre-dissertation Joshua Liddy, Health and Kinesiology

Dissertation Joong Hong, Health and Kinesiology

Dissertation Janet Vuolo, Speech, Language, and Hearing Sciences

2014 Aaron Ziegler, Communication Sciences and Disorders at University of Pittsburg

F31 funded 2012-2014 (consultant)

2014 Meredith Saletta, Speech, Language, and Hearing Sciences: “Orthography and Modality Influence Speech Production in Skilled and Poor Readers”

2012 Elizabeth Erickson, Speech, Language, and Hearing Sciences: “Investigating the Acute Effects of Acrolein on Ion Transport and Mucin Gene Expression in Excised Porcine Vocal Folds”

2011 Julio Ho, Biomedical Engineering: “An Anatomically-based, Time-domain Acoustic Model of the Subglottal System for Speech Production”

2010 John Spruill, Speech, Language, and Hearing Sciences: “Working Memory and Inhibition Performance Impact Phonological Processing in Elderly Women: Evidence from Behavioral and Electrophysiological Indices”

2010 Matias Zenartu, Biomedical Engineering: “Acoustic Coupling in Phonation and its Effect on Inverse Filtering of Oral Airflow and Neck Surface Acceleration

2008 Neeraja Sadagopan, Speech, Language, and Hearing Sciences: “Novel Nonword Learning in Older Adults”

2007 Bridget Walsh, Speech, Language, and Hearing Sciences: “Speech Production in Individuals with Parkinson’s Disease: Basic Kinematic Parameters and Effects of Increased Linguistic Demands on Interarticulatory Coordination”

**Masters Students:**

**Major Professor**

In progress Julia Bergmann

In progress Brianna Kiefer

In progress Kara Simon

2014 Nicole Herndon: “Respiratory and laryngeal function in teachers pre- and post- a 1-hour vocal loading challenge”

2013 Dan Barnes: “Age-related changes to the production of linguistic prosody”

2013 Carrie Wade: “Speech Segmentation Cues of Adult Listeners to Hypokinetic Dysarthric Speech”

2012 Zeina Saba: “Longitudinal Effects of Parkinson’s Disease on the Production of an Unstructured Speaking Task: Respiratory Physiologic and Acoustic Considerations”

2012 Laura Germann: “The Production of Contrastive Stress in People with Parkinson’s Disease

2008 Meghan Darling: “Articulatory Kinematics as a Function of Loudness and Parkinson’s Disease”

2004 Bharath Chandrasekaran: “Effects of Noxious Auditory Stimulation on Variability of Speech and Metabolic Breathing”

2003 Tara Robinson: “Increasing Sound Pressure Level: The Effects of Implicit and Explicit Cues”

**Committee Member**

In progress Mia Dryer, Speech, Language, and Hearing Sciences

2014 Joshua Liddy, Health and Kinesiology: “Using the Microsoft Kinect to Assess Human Coordination”

2013 Tiphanie Raffegeau, Health and Kinesiology: “Gait and Speech are Interdependent in Young Healthy Adults”

2008 Elizabeth Erickson, Speech, Language, and Hearing Sciences: “Phonatory Effects of Inhaled Corticosteroids in Individuals with Asthma”

2006 Xiaoju Zheng, Linguistics: “The Effect of Sentential Stress on Voice Quality in Mandarin”

**Undergraduate Students:**

**Senior Research Project Advisor**

In progress Mackenzie McGrath (Biological Sciences, Pre-Medicine)

In progress Sarah Barnes (Speech, Language, and Hearing Sciences)

2012 Bridget Haley (Animal Sciences): “An Evaluation of a Rat Model of Parkinson's Disease: Examining the Effects on Vocalizations”

2007 Liz Dropcho: “Correlations between Acoustics and Perceived Loudness in Patients with Parkinson’s Disease”

2007 Lindsay Wohleen: “Correlations between Acoustics and Perceived Loudness in Patients with Parkinson’s Disease”

2006 Meghan Darling: “Stability of Movement in Individuals with Parkinson’s Disease”

2005 Erin Jenison: “Respiratory Kinematics in Individuals with Parkinson’s Disease”

**MEMBERSHIPS**

Society for Neuroscience (SfN)

The American-Speech-Language-Hearing Association

Movement Disorders Society

**TEACHING**

**Undergraduate Courses Taught**

Introduction to Communicative Disorders

Anatomy and Physiology of the Speech and Hearing Mechanism

**Graduate Courses Taught**

Advanced Speech Physiology

Aging and Communication

Dysphagia

Evidence-Based Practice I: Approaches

Evidence-Based Practice II: Application

Fundamentals of Speech Production and Perception

Grand Rounds in Speech-Language Pathology

Motor Disorders of Speech

Stuttering Therapy

**UNIVERSITY SERVICE**

2016-2021 Member, Athletic Affairs Committee

2016-2019 Member, Censure and Dismissal Committee

2015 Member, Graduate Council Taskforce for Adding Majors to Existing Graduate Degrees

2015 Member, Search Committee for Associate Dean of Graduate School

2014-2015 Member, Search Committee for Executive Director of Discovery Park

2014-2015 Member, Committee to Review Dean of the Graduate School

2014-2016 Member, University Faculty Grievance Hearing Committee

2014-present Member, Industrial Contracting Faculty Advisory Group

2013-2016 Member, Burton D. Morgan Center for Entrepreneurship Foundry Council

2013-2015 Member, Purdue University Graduate Council

2012-present Internal Steering Committee Member, Women’s Global Health Institute at Purdue University

2012 Member, College of Health and Human Sciences, Dean’s Search Committee

2011-2014 Member, College of Health and Human Sciences Chronic Diseases Research Interest Group Organizing Committee

2011 Member, University Staff Grievance Review Committee

2010-2015 Member, College of Health and Human Sciences Program Directors Council

2010-2011 Member, College of Health and Human Sciences Search Committee for Associate Dean for Research and Graduate Programs

2010-2011 Coordinator for the Graduate Student Directed Invited Lecture in the College of Health and Human Sciences

2008-2010 Member, College of Liberal Arts, Educational Policy Committee

2008-2010 Member, Center on Aging and the Life Course Steering Committee

2008-2010 Member, AIMS Faculty Focus Group

2008 Member and Poster Session Chair, First International Symposium on Audible Acoustics in Medicine and Physiology at Purdue University Planning Committee

2007 Member, Center on Aging and the Life Course Planning Committee for Fall

Symposium

2005-2009 Advisor for student club: Adopt-a-Grandparent

2005-2007 Member, Center on Aging and the Life Course Educational Policy Committee

2005 Speaker, Back to Class event on campus

2004-2006 Member, Center on Aging and the Life Course Steering Committee

2002-2005 Member, School of Liberal Arts Senate

2002-2003 Member, School of Liberal Arts Honors Committee

**DEPARTMENTAL SERVICE**

2016-present Organizing Professional Development Seminar for Doctoral and Post-Doctoral Students

2012-2015 Member, Au.D. Curriculum Committee

2012-2015 Member, SLP Curriculum and Standards Committee

2012-2013 Member, Faculty Search Committee

2010-2012 Member, SLHS Ad Hoc Clinical Software Committee

2008-2009 Member, Graduate Committee

2007-present Member, Promotion and Tenure Committee

2006-2007 Member, SLP Clinical Curriculum & Standards Committee

2006-2007 Member, Graduate Committee

2003, 2004, 2006 Member, Outstanding AUS Senior Selection Committee

2005-2006 Chair, SLP Clinical Curriculum & Standards Committee

2004-2005 Member, SLP Clinical Curriculum & Standards Committee

2004-2005 Member, Faculty Search Committee

2004-2005 Member, Zippy & Sandy Ostroy Scholarship Committee

2004 Member, Ph.D. Recruitment Committee

2003-2004 Member, Graduate Committee

2002-2003 Member, Chair Review Committee

2002 Department Representative, Golden Honors Day

2001-2003 Member, Undergraduate Curriculum Committee

**INTERDISCIPLINARY ACTIVITY**

## Faculty Member of Purdue Institute for Integrative Neuroscience

## Faculty Associate of the Center for Aging and the Life Course (CALC)

## Faculty Member of the Neuroscience Program

Member of Purdue Hearing/Acoustics Science and Engineering

**NATIONAL/STATE/COMMUNITY SERVICE WORK AND OTHER PROFESSIONAL ACTIVITIES**

**Entrepreneurship Activities**

2013-present Founder and Chief Technical Officer for SpeechVive, Inc.

**Professional Organization Service**

2017 Committee Member, Motor Speech Platform Planning Committee, American Speech-Language-Hearing Association Convention in 2017

2016 Planning Committee and Senior Grant Reviewer, American Speech-Language-Hearing Association Grant Review and Reviewer Training Program

2016-2018 Planning Committee and Faculty, American Speech-Language-Hearing Association Lessons for Success Program

2016-2017 Academy of Neurologic Communication Disorders and Sciences (ANCDS) Evidence-Based Practice Dysarthria Writing Committee

2016-2017 Planning Committee, Educational Seminar for Speech-Language Pathologists, Parkinson’s Disease Foundation

2016-2018 Committee Member, American Speech-Language-Hearing Association Research and Scientific Affairs Committee

2013 Committee Member, Motor Speech Platform Planning Committee, American Speech-Language-Hearing Association Convention in 2013

2013 Planned invited panel for Motor Speech Committee, American Speech-Language-Hearing Association Convention in 2013

2011 Invited Participant, Seeing Speech Planning Workshop, NSF Funded International Working Group, October 2011 near Tucson, Arizona

2010 Committee Member, Motor Speech Platform Planning Committee, American Speech-Language-Hearing Association Convention in 2010

2009 Planned invited panel for Speech Science Committee, American Speech-Language-Hearing Association Convention in 2009

2009 Committee Member, Speech Science Platform Planning Committee, American Speech-Language-Hearing Association Convention for 2009

2008 Committee Member, Motor Speech Disorders in Children and Adults Platform Planning Committee, American Speech-Language-Hearing Association Convention for 2008

2007 Co-planned invited panel for Speech Science Committee, American Speech-Language-Hearing Association Convention in 2007

2007 Committee Member, Speech Science Platform Planning Committee, American Speech-Language-Hearing Association Convention for 2007

2002 Planned invited panel for Speech Science Committee, American Speech-Language-Hearing Association Convention in 2002

**Community Service**

2017-present Medical Advisory Board member, Rocksteady Boxing

2005-present Development and management of Parkinson’s disease education and support group in West Lafayette. The group provides support for individuals with Parkinson’s disease and their caregivers in the local area, experience for students in the clinic, and access to a patient population for research. I plan guest speakers for each monthly meeting, plan for group discussion, and handle administration of the group.

**Clinical Training**

2009 LSVT® LOUD Certified

1998 Laryngo-endo-stroboscopic examination of the larynx. Workshop, Vanderbilt University, Nashville, Tennessee

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