

CURRICULUM VITAE

Jessica E. Huber, Ph.D.

UNIVERSITY ADDRESS AND TELEPHONE NUMBER

Purdue University
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Department of Speech, Language, and Hearing Sciences
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EDUCATION

<u>Degree</u>	<u>Institution</u>	<u>Year</u>	<u>Major</u>
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

2018-present Purdue University, Associate Vice Provost for Faculty Affairs
2017 Purdue University, Interim Associate Vice Provost for Faculty Affairs
2016 Purdue University, Provost Fellow in Faculty Affairs
2016-present 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
- 2013 Inducted into Purdue Innovator Hall of Fame
- 2012 College of Engineering Staff Awards Excellence, Staff Team Award
- 2011 Outstanding Graduate Faculty Instructor in the Department of Speech, Language, and Hearing Sciences
- 2008 Seeds for Success Award for Excellence in Research, Purdue University
- 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

- 2018-2019 Participant in Executive Leadership in Academic Technology and Engineering (ELATE) Program
- 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. Raffegeau*, T.E., Haddad, J.M., Huber, J.E., and Rietdyk, S. (in press). Walking while talking: young adults flexibly allocate resources between speech and gait. *Gait & Posture*.
2. Dick*, J., Fredrick*, J., Mann*, G., Huber, J.E., and Lee, J. (in press). Sentence production in Parkinson's disease. *Clinical Linguistics and Phonetics*. doi: 10.1080/02699206.2018.1444791
3. Herndon*, N.E., Sundarrajan, A., Sivasankar, M.P., and Huber, J.E. (in press). Respiratory and laryngeal function in teachers: Pre- and post-vocal loading challenge. *Journal of Voice*. doi: doi.org/10.1016/j.jvoice.2017.11.015
4. Darling White, M., and Huber, J.E. (2017). 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*, 26, 1159-1166.
5. Sundarrajan*, A., Huber, J.E., and Sivasankar, M.P. (2017). Respiratory and laryngeal changes in vocal loading in young and old adults. *Journal of Speech, Language, Hearing Research*, 60, 2551-2556. doi:10.1044/2017_JSLHR-S-17-0106.

6. Huber, J.E., and Darling White, M. (2017, Invited). Longitudinal changes in speech breathing in older adults with and without Parkinson's disease. *Seminars in Speech and Hearing, 38(3)*, 200-209.
7. 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.
8. 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 Kinect™ to assess human bimanual coordination. *Behavior Research Methods, 49(3)*, 1030-1047. doi: 10.3758/s13428-016-0764-7
9. 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
10. 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
11. 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.
12. Stathopoulos, E.T., Huber, J.E., Richardson*, K., Kamphaus*, J., DeCicco*, D., Darling*, M., 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
13. 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
14. 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
15. 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)
16. 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)

17. 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)
18. 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)
19. 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)
20. 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)
21. 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
22. 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)
23. 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
24. 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)
25. 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).
26. 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).
27. 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).
28. 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. *Journal of Applied Physiology*, 98, 2177-2184 (PMID: 15705723).

29. 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.
30. 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).
31. 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.
32. 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).
33. 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).
34. 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.
35. 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. Huber, J.E. (in press). A case of dysarthria associated with Parkinson's disease. Speech-Language Pathology Casebook. Thieme.
2. Bunton, K., and Huber, J.E. (in press). Articulation and resonance. Anatomy and Physiology for Speech and Hearing. Thieme.
3. 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.

FUNDED GRANT SUPPORT

Extramural Research Grants

Title: A comparison of two behavioral interventions for Parkinson's disease

Role: Co-investigator (PI: Kelly Richardson, UMass Amherst)

Agency: NIH NIDCD, ECR-R21

Duration: 12/1/17-11/30/20

Total Project Support: \$457,817.00 (subcontract to Purdue: \$141,216.97), ongoing

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: Laboratory and University Core Facility Research Equipment Grants Program
Role: PI
Agency: Purdue University
Duration: 3/16/18-5/31/18
Total Project Support: \$18,415, ongoing

Title: Laboratory and University Core Facility Research Equipment Grants Program
Role: co-I (PI: Sivasankar)
Agency: Purdue University
Duration: 5/1/17-12/31/17
Total Project Support: \$55,687.50, completed

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: 5/1/16-4/30/20
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, 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

2018	Editorial Board Member, American Journal of Speech-Language Pathology
2017	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 Phoniatica 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 Presentations**

1. Huber, J.E. and Hegland, K.W. (2017, October). Treatment of speech changes. Invited seminar at the Parkinson's Foundation's special session at the American Congress of Rehabilitation Medicine conference, Atlanta, GA.
2. Huber, J.E. (2017, October). How does speech change in Parkinson's disease and what can we do about it? Invited Seminar, Johns Hopkins Medical Center, Baltimore, MD.
3. 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.

4. 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.
5. 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.
6. Huber, J.E. (2015, October). Invited Panelist: I am NOT old, why do I sound old? Fall Voice Conference, Pittsburgh, PA.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.

16. 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.
17. 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. Ambike, S., Huber, J.E. (2018, May). Uncontrolled manifold analysis reveals structure of variability in lip-jaw kinematics during speech production. Poster presented at Neural Control of Movement, Santa Fe, NM.
2. Simon-Kuhn, K.L., Haddad, J.M., and Huber, J.E. (2018, May). Consequences matter when performing a behavior with multiple goals. Poster presented at Neural Control of Movement, Santa Fe, NM.
3. Kiefer, B., Darling-White, M., Rountrey, C., Ludlow, C.L. Snyder, S. and Huber, J.E. (2018, February). Therapeutic effects of SpeechVive on prosody in Parkinson's disease. Paper presented at the Biennial International Conference on Motor Speech, Savannah, GA.
4. Alvar, A., Huber, J.E., and Lee, J. (2018, February). Impact of Parkinson's on use of meaningful speech automatisms. Poster presented at the Biennial International Conference on Motor Speech, Savannah, GA.
5. Hegland, K.W., Hicks, J., Huber, J.E. (2017, November). Deep brain stimulation (DBS) in patients with movement disorders: What the SLP needs to know. Session presented at the American Speech-Language-Hearing Association conference, Los Angeles, CA.
6. Rajappa, A.T., Troche, M.S., Sung, K., and Huber, J.E. (2017, November). Use of SpeechVive via mobile telehealth service delivery model to treat hypophonia in Parkinson's disease. Paper presented at the American Speech-Language-Hearing Association conference, Los Angeles, CA.
7. 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.
8. 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.
9. 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.

10. 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.
11. 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.
12. 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.
13. 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.
14. Raffegau, 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.

21. 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.
22. 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.
23. 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.
24. 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.
25. Zuber, 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.

32. 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.
33. Huber, J.E., Stathopoulos, E.T., Sussman, J.E., Snyder, S., Richardson, K., and Darling, M. (2011, November). A new treatment, SpeechVive™, for patients with Parkinson's disease. Paper presented at the annual convention of the American Speech-Language-Hearing Association, San Diego, CA.
34. 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.
35. 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.
36. 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.
37. 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.
38. 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.
39. 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.
40. 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.
41. 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.
42. 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.

43. Zenartu, M., Ho, J.C., Kraman, S., Pasterkamp, H., Huber, J.E., and Wodika, G.R. (2008, May). Airborne and tissue-borne sensitivity of skin-radiation acoustic sensors. Poster presented at the Acoustics '08 Conference, Paris, France.
44. 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.
45. 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.
46. 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.
47. 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.
48. 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.
49. 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.
50. 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.
51. Sadagopan, N. and Huber, 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.
52. 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.
53. 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.
54. 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.

55. 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.
56. 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.
57. 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.
58. 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.
59. 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.
60. 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.
61. 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.
62. 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.
63. 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.
64. 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.
65. 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.
66. 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.

67. 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.
68. 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. (2018, February). Invited speaker in the Life as a Faculty Entrepreneur Class (one lecture per year 2013-2018). Purdue University, West Lafayette, IN.
2. 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.
3. 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.
4. 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.
5. 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.
6. Huber, J.E. (2015, January). Speech in Parkinson's disease. Invited presentation to the Purdue Retirees Association, West Lafayette, Indiana.
7. Huber, J.E. (2014, October). New technologies for treating motor speech disorders. Invited presentation at the Crossroads Conference, West Lafayette, Indiana.
8. 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.
9. 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.
10. 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.
11. 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.

12. Huber, J.E. (2014, May). Treatment of speech individuals with Parkinson's disease: Methods and Cases. Invited online presentation through SpeechPathology.com.
13. Huber, J.E. (2013, September). Treatment of speech impairments in Parkinson's disease. Invited online presentation through SpeechPathology.com.
14. Huber, J.E. (2013, April). Assessment and treatment of Parkinson's disease. Invited presentation at the Indiana State Speech and Hearing Convention, Indianapolis, Indiana.
15. 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.
16. 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.
17. 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.
18. Huber, J.E. (2010, April). How Parkinson's disease affects communication. Presentation at University Place, West Lafayette, Indiana.
19. 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.
20. Huber, J.E. (2009, October). Clinical assessment and treatment of respiration. Crossroads Conference, West Lafayette, IN.
21. 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.
22. 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.
23. Huber, J.E. (2008, November). Changes to communication with aging. Presentation at University Place, West Lafayette, Indiana.
24. Huber, J.E. (2008, November). Vital Stim treatment in patients with ALS. Presentation to the ALS Clinic at Wishard Memorial Hospital, Indianapolis, Indiana.
25. 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.
26. 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.

27. Huber, J.E. (2006, March). Coping with speech difficulties. Presentation at University Place Retirement Village, West Lafayette, Indiana.
28. Huber, J.E. (2005, January). Changes to respiratory patterns for speech with aging. Presentation for Interdisciplinary Gerontology Program, Purdue University, West Lafayette, Indiana.
29. 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.
30. Huber, J.E. (2003, October). Assessment and treatment of the respiratory system in individuals with dysarthria. Crossroads Conference, West Lafayette, IN.
31. 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.
32. Huber, J.E. (2001, September). Why study speech with aging? Presentation for Interdisciplinary Gerontology Program, Purdue University, West Lafayette, Indiana.
33. 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.
34. 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	Joshua Liddy, Health and Kinesiology
Dissertation	Robert Fujiki, Speech, Language, and Hearing Sciences
Dissertation	Cagla Kantarcigil, Speech, Language, and Hearing Sciences
Dissertation	Joong Hong, Health and Kinesiology

- 2017 Janet Vuolo, Speech, Language, and Hearing Sciences: "Articulatory, Segmental, and Prosodic Characteristics in Children with Speech Sound Disorders"
- 2014 Aaron Ziegler, Communication Sciences and Disorders at University of Pittsburg, F31 funded 2012-2014
- 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 Andrew Exner
- 2018 Julia Bergmann: "The Effects of Card Playing on Cognition"
- 2017 Brianna Kiefer: "The Therapeutic Effect of SpeechVive in Prosody in Parkinson's Disease"
- 2017 Kara Simon: "The Influence of Speech on a Precision Fitting Task"
- 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

- 2017 Mia Dryer, Speech, Language, and Hearing Sciences: "Presbyphagia Markers in the Community-Dwelling Elderly Population"
- 2014 Joshua Liddy, Health and Kinesiology: "Using the Microsoft Kinect to Assess Human Coordination"
- 2013 Tiphonie Raffegau, 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

- 2018 Casie Blair (Speech, Language, and Hearing Sciences)
- 2017 Mackenzie McGrath (Biological Sciences, Pre-Medicine)
- 2017 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

American-Speech-Language-Hearing Association
Movement Disorders Society
Society for the Neural Control of Movement
Society for Neuroscience (SfN)

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
Seminar on Respiratory Function in Health and Disease

Stuttering Therapy

UNIVERSITY SERVICE

2018	Member, Search Committee for Director of Assessment, Office of Institutional Research, Assessment and Effectiveness
2017	Speaker, <u>Back to Class</u> event on campus
2016-2021	Member, Athletic Affairs Committee
2016-2019	Member, Censure and Dismissal Committee
2016-2017	Member, Title IX at 45 Celebration Planning 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
2014-2016	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, <u>Back to Class</u> 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

2017-2018	Chair, SLP Curriculum and Standards Committee
2017-2018	Member, Future of EBP Committee
2017-present	Associate Director, SLHS Training Grant
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

2018-2020 Conference Co-Chair, Biennial Conference on Motor Speech in 2020
 2017 Committee Member, Motor Speech Platform Committee, Biennial Conference on Motor Speech in 2018
 2017 Committee Member, Motor Speech Platform Planning Committee, American Speech-Language-Hearing Association Convention in 2017
 2016-2018 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
 2016-2018 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