

CURRICULUM VITA
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
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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

2009 – present Purdue University, Courtesy Appointment in Health and Kinesiology
2007 – present 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

PUBLICATIONS

Refereed Journals

1. 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, 1247-1259.

2. Stathopoulos E.T., Huber, J.E., and Sussman, J.E. (2011). Voice motor control across the life-span: Acoustic measures from 4-90 year olds. *Journal of Speech, Language, and Hearing Research*, 54, 1011-1021.
3. 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.
4. 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.
5. MacPherson, M.K., Huber, J.E., and Snow, D.P. (2011). Intonation and intent: Examining the intonation-syntax Interface in the speech of individuals with Parkinson's disease. *Journal of Speech, Language, and Hearing Research*, 54, 19-32.
6. 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.
7. 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.
8. Huber, J.E. (2008). Age-related changes to speech breathing: Effects of utterance length and vocal loudness. *Respiratory Physiology and Neurobiology*, 164, 323-330 (doi:10.1016/j.resp.2008.08.007).
9. 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.
10. 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.
11. Sadagopan, N., and Huber, J.E. (2007). Changes to respiratory kinematics associated with different cues to increase loudness in Parkinson's disease. *Movement Disorders*, 22, 651-659.
12. 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.

13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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 Papers

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., Darling, M., and Francis, E.J. (in revision). Impact of typical aging and Parkinson's disease on the relationship among breath pausing, syntax, and punctuation. *American Journal of Speech-Language Pathology*.

2. Stathopoulos, E.T., Huber, J.E., Richardson, K., DeCicco, D., Kamphaus, J., Fulcher, K., and Sussman, J.E. (in preparation). Laryngeal aerodynamic and respiratory kinematic strategies for increasing vocal intensity in patients with Parkinson's Disease while speaking in noise.
3. Saletta, M., Darling, M., Ryu, J.H., Haddad, J.M., Goffman, L., Francis, E.J., and Huber, J.E. (in preparation) Interaction of syntactic complexity, memory load, and balance in Parkinson's disease.
4. Huber, J.E., Stathopoulos, E.T., Sussman, J.E., Snyder, S., Richardson, K., and Darling, M. (in preparation). A new treatment, SpeechVive™, for speech problems associated with Parkinson's disease.
5. Huber, J.E., and Darling, M. (in preparation). Longitudinal changes to respiratory support for speech in individuals with Parkinson's disease.
6. Huber, J.E., Stathopoulos, E.T., Sussman, J.E., Darling, M., Snyder, S., and Richardson, K. (in preparation). Changes to physiology as a result of a new treatment, SpeechVive™, for individuals with Parkinson's disease.

FUNDED GRANT SUPPORT

Extramural Research Grants

Title: Hypophonia Therapy Device SFA

Role: PI

Agency: AMIPurdue

Type: Contract

Duration: 8/1/10-1/31/12

Total Project Support: \$248,631.66

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

Role: PI

Agency: National Institutes of Health

Type: R01

Duration: Five years (4/1/08-3/31/13)

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

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

Role: PI

Agency: National Institutes of Health

Type: Administrative Supplement (CLIN)

Duration: Two years (7/17/09-12/31/11)

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

Title: Physiological Effects of Hyperosmotic Vocal Fold Surface Fluid

Role: Co-investigator

Agency: National Institutes of Health
Type: R03
Duration: Three years
Total Direct Costs: \$300,000; Total Costs: \$457,305

Title: Advancing Academic-Research Careers (AARC) Award
Role: PI
Agency: American Speech-Language-Hearing Association (ASHA)
Duration: 1 year (9/1/2004-8/31/2005) (extended through 12/31/2005)
Total Direct Costs: \$5,000; No indirect costs

Title: Speech Kinematics in Parkinson's Disease
Role: PI
Agency: National Institutes of Health
Type: R03
Duration: Three years (9/1/2002-8/31/2005) (no-cost extension through 8/31/2006)
Total Direct Costs: \$150,000; Total Costs: \$222,000

Extramural Research Grants in Support of Students

Title: Students Preparing for Academic & Research Careers (SPARC) Award
Role: Mentor
Agency: American Speech-Language-Hearing Association (ASHA)
Duration: 1 year (9/1/2005-8/31/2006)
Total: \$1500 for student, \$500 honorarium for faculty
Student: Meghan Darling

Title: Students Preparing for Academic & Research Careers (SPARC) Award
Role: Mentor
Agency: American Speech-Language-Hearing Association (ASHA)
Duration: 1 year (9/1/2004-8/31/2005)
Total: \$1500 for student, \$500 honorarium for faculty
Student: Erin Jenison

Intramural Research Grants

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: \$15,000

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 Direct Costs: ~\$50,000.00 (stipend and tuition for 1 year)

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: \$5,000

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: One year (7/1/10-6/30/12)

Total: \$75,000

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: \$18,912

Title: Purdue Project Development Grant

Role: PI

Agency: Indiana CTSI

Duration 1/2009-12/2009

Total: \$10,000

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: \$1,150.00

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: \$500.00

Title: Influence of Planning and Syntax on Breath Pausing Patterns

Role: PI

Agency: Purdue University, Summer Faculty Grant

Duration: Summer 2007

Total: \$7000.00

Title: Research Support Grant

Role: PI

Agency: Richard and Mary Lou Hazelton Faculty Development Fund

Duration: 1/9/06-5/1/06

Total: \$1000.00

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: 3/7/05-2/1/06

Total: \$1000.00

SCIENTIFIC PATENTS

2009 Huber, J.E., Method and Apparatus for Increasing Voice Loudness, US Patent Application Serial No. 61/234,401 (Provisional Patent)

2011 Huber, J.E. Provisional Patent submitted associated with No. 61/234,401

GRANT REVIEW

2011	Ad-Hoc Reviewer, Michael J. Fox Foundation
2011	Grant Reviewer, American Speech-Language-Hearing Association Advancing Academic-Research Career (AARC) Awards
2008	External Reviewer, Research Grants Council of Hong Kong
2006 – present	Grant Reviewer, Department of Veterans Affairs Rehabilitation Research and Development Service
2006	Expert Reviewer for Canada Foundation for Innovation, New Initiatives Fund

PEER REVIEW

2011	Reviewer for the ASHA Advancing Academic Research Career (AARC) Award Applications
2011	American Journal of Speech-Language Pathology
2010	Logopedics Phoniatrics Vocology
2010	Language and Cognition
2009-2011	Guest Associate Editor, Journal of Speech, Language, and Hearing Research
2009	IEEE Transactions on Biomedical Engineering
2009, 2011	Folia Phoniatica et Logopaedica
2009	Allyn & Bacon Publishers
2008 – 2010	Associate Editor, American Journal of Speech-Language Pathology
2008	Movement Disorders
2007	Jones and Bartlett Publishers
2007	Psychological Reports Perceptual and Motor Skills
2007	Elsevier Publishing
2006	Thieme Publishing
2004 – 2009	The Journal of the Acoustical Society of America
2004 – present	Journal of Communication Disorders
2004	Acoustics Research Letters Online (ARLO)

2003 Butterworth Heinemann Publishing
 2001 – present Journal of Speech, Language, and Hearing Research

PRESENTATIONS

Conference Presentations

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
 11. 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.
 12. 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.
 13. 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.
 14. 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.
 15. 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.
 16. 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.
 17. 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.
 18. 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.
 19. 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.

20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.

31. 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.
32. 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.
33. 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.
34. 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.
35. 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.
36. 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.
37. 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.
38. 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.
39. 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.

40. 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. 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.
2. 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.
3. 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.
4. Huber, J.E. (2010, April). How Parkinson's Disease Affects Communication. Presentation at University Place, West Lafayette, Indiana.
5. 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.
6. Huber, J.E. (2009, October). Clinical assessment and treatment of respiration. Crossroads Conference, West Lafayette, IN.
7. 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.
8. Huber, J.E. (2009, April). Preparing for Graduate School. Presentation to Purdue University Chapter of the National Student Speech, Language, Hearing Association.
9. Huber, J.E. (2008, November). Changes to communication with aging. Presentation at University Place, West Lafayette, Indiana.
10. Huber, J.E. (2008, November). Vital Stim treatment in patients with ALS. Presentation to the ALS Clinic at Wishard Memorial Hospital, Indianapolis, Indiana.
11. 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.

12. 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.
13. Huber, J.E. (2006, March). Coping with speech difficulties. Presentation at University Place Retirement Village, West Lafayette, Indiana.
14. Huber, J.E. (2005, January). Changes to respiratory patterns for speech with aging. Presentation for Interdisciplinary Gerontology Program, Purdue University, West Lafayette, Indiana.
15. 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.
16. Huber, J.E. (2003, October). Assessment and treatment of the respiratory system in individuals with dysarthria. Crossroads Conference, West Lafayette, IN.
17. 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.
18. Huber, J.E. (2001, September). Why study speech with aging? Presentation for Interdisciplinary Gerontology Program, Purdue University, West Lafayette, Indiana.
19. 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.
20. 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:

1. Major Professor

Dissertation-stage Meghan Darling
 F31 Submitted, 2011
 PRF Doctoral Research Grant, 2011
 NIH Pre-doctoral Training Grant Fellowship, 2009
 American Speech-Language-Hearing Association Student Travel Award, 2007
 American Speech-Language-Hearing Association SPARC Award Recipient,
 2005

2. Committee Member

2007	Bridget Walsh: "Speech Production in Individuals with Parkinson's Disease: Basic Kinematic Parameters and Effects of Increased Linguistic Demands on Interarticulatory Coordination"
2008	Neeraja Sadagopan: "Novel Nonword Learning in Older Adults"
2010	Matias Zenartu: "Acoustic Coupling in Phonation and its Effect on Inverse Filtering of Oral Airflow and Neck Surface Acceleration"
2010	John Spruill: "Working Memory and Inhibition Performance Impact Phonological Processing in Elderly Women: Evidence from Behavioral and Electrophysiological Indices"
Dissertation	Elizabeth Erickson (advisor – Preeti Sivasankar) Speech, Language and Hearing Sciences
Pre-dissertation	Julio Ho (advisor – George Wodicka) Biomedical Engineering
Pre-dissertation	Joong Hong (advisor – Jeffrey Haddad) Health and Kinesology
Pre-dissertation	Meredith Saletta (advisor – Lisa Goffman) Speech, Language, and Hearing Sciences

Masters Students:**1. Major Professor**

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

2008	Beth Erickson: "Phonatory Effects of Inhaled Corticosteroids in Individuals with Asthma"
2006	Xiaoju Zheng: "The Effect of Sentential Stress on Voice Quality in Mandarin"

Undergraduate Students:**1. Senior Research Project Advisor**

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 Physiological Society (APS)
The American-Speech-Language-Hearing Association
Sigma Xi

NATIONAL/STATE SERVICE WORK AND OTHER PROFESSIONAL ACTIVITIES

Professional Organization Service

- 2010 Committee Member, Motor Speech Platform Planning Committee, American Speech-Language-Hearing Associate Conference in 2010
- 2009 Planned invited panel for Speech Science Committee, American Speech-Language-Hearing Association Conference in 2009
- 2009 Committee Member, Speech Science Platform Planning Committee, American Speech-Language-Hearing Association Conference for 2009
- 2008 Committee Member, Motor Speech Disorders in Children and Adults Platform Planning Committee, American Speech-Language-Hearing Association Conference for 2008
- 2007 Co-planned invited panel for Speech Science Committee, American Speech-Language-Hearing Association Conference in 2007
- 2007 Committee Member, Speech Science Platform Planning Committee, American Speech-Language-Hearing Association Conference for 2007
- 2002 Planned invited panel for Speech Science Committee, American Speech-Language-Hearing Association Conference in 2002

Clinical Service

June 2005-present Development of Parkinson's disease support group in West Lafayette. The group provides support for individuals with Parkinson's disease in the area, experience for students in the clinic, and access to a patient population for research. We plan guest speakers for each monthly meeting, plan for group discussion, and handle all administration of the group.

Media

- August 2009 News release and video release from Purdue Research Park highlighting my research program in the treatment of speech disorders in Parkinson's disease. Picked up by national news outlets (ScientificAmerican.com: 60-Second Science Blog, IEEE Spectrum, Advance Magazine, other online outlets, newspapers and TV stations in Indiana, out of state newspapers (Chicago Tribune)
- February 2007 Huber, J.E., and Solomon, B. Speech difficulties and Parkinson's Disease. WBAA Magazine, WBAA 920AM.
- July 2009 Huber, J.E. Use of External Cueing to Treat Parkinson's Disease. WBAA Magazine, WBAA 920AM.

Special Training

LSVT® LOUD Certified. June 2009

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

HONORS/AWARDS

2011	Outstanding Graduate Faculty Instructor in the Department of Speech, Language, and Hearing Sciences
2010-2013	American Speech-Language-Hearing Association Award for Continuing Education (ACE)
2008-2011	American Speech-Language-Hearing Association Award for Continuing Education (ACE)
2005-2006	Outstanding Undergraduate Faculty Instructor in Department of Speech, Language, and Hearing Sciences
2004-2005	Outstanding Faculty Instructor in Department of Speech, Language, and Hearing Sciences
May 2006	Invited participant, 4 th Annual Research Conference, American Speech-Language-Hearing Association and the NIDCD
2004-2007	American Speech-Language-Hearing Association Award for Continuing Education (ACE)
April 2003	Invited participant, NIDCD Roundtable discussion of future research directions and funding priorities in the area of Neurologic Motor Speech Disorders in Adults
April 2000	Honors for Outstanding Leadership and Achievement, National Student Speech Language Hearing Association
March 2000	Raymond H. Stetson Scholarship in Phonetics and Speech Production, Honorable Mention

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

Fundamentals of Speech Production and Perception

Grand Rounds in Speech-Language Pathology

Motor Disorders of Speech

Stuttering Therapy

UNIVERSITY SERVICE

2011	University Staff Grievance Review Committee
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2010-2011	College of Health and Human Sciences, Graduate Educational Policy and Curriculum Committee
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2010-2011	Search Committee Member, College of Health and Human Sciences Associate Dean for Research and Graduate Programs
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2010-2011	College of Health and Human Sciences, Coordinator for the Graduate Student Directed Invited Lecture
2008-2010	College of Liberal Arts, Educational Policy Committee
2008-2010	Center on Aging and the Life Course Steering Committee
2008-present	AIMS Faculty Focus Group Member
2008	First International Symposium on Audible Acoustics in Medicine and Physiology at Purdue University, Planning Committee Member and Poster Session Chair
2007	Center on Aging and the Life Course Planning Committee for Fall Symposium
2005-2009	Advisor for student club: Adopt-a-Grandparent
2005-2007	Center on Aging and the Life Course Educational Policy Committee
2005	Speaker at <u>Back to Class</u> event on campus
2004-2006	Center on Aging and the Life Course Steering Committee
2002-2005	School of Liberal Arts Senate
2002-2003	School of Liberal Arts Honors Committee

DEPARTMENTAL SERVICE

2010-2011	SLHS Ad Hoc Clinical Software Committee
2009-present	Graduate Committee, Chair
2008-2009	Graduate Committee, member
2007-present	Promotion and Tenure Committee, member
2006-present	SLP Clinical Curriculum & Standards Committee, member
2006-2007	Graduate Committee, member
2003, 2004, 2006	Outstanding AUS Senior Selection Committee
2005-2006	SLP Clinical Curriculum & Standards Committee, Chair
2004-2005	SLP Clinical Curriculum & Standards Committee, member
2004-2005	Faculty Search Committee
2004-2005	Zippy & Sandy Ostroy Scholarship Committee
2004	Ph.D. Recruitment Committee
2003-2004	Graduate Committee
2002-2003	Chair Review Committee
2002	Golden Honors Day Representative for Department
2001-2003	Undergraduate Curriculum Committee

INTERDISCIPLINARY ACTIVITY

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