

CURRICULUM VITAE

Name: EUGENE H. BUDER, Ph.D.	Department: Communication Sciences and Disorders
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EDUCATION

DEGREES	DISCIPLINE	INSTITUTION	YEAR
A.B.	Special Concentration	Harvard College	1980
M.Ed.	Education and Anthropology	University of Alberta	1985
Ph.D.	Comm. Arts and Comm. Disorders	University of Wisconsin-Madison	1991

EXPERIENCE

RANK/POSITION	DEPARTMENT/DIVISION	INSTITUTION/COMPANY/ORGANIZATION	PERIOD
Teaching Assistant	Educational Foundations	University of Alberta	1982-1984
Teaching Assistant	Communication Arts	University of Wisconsin	1986-1988
Research Assistant	Communicative Disorders	University of Wisconsin	1988-91
Research Associate	Speech & Hearing Sciences	University of Washington	1991-1993
Acting Asst. Professor	Speech & Hearing Sciences	University of Washington	1994-1995
Assistant Professor	Audiology, Speech-Lang. Path.	The University of Memphis	1996-2002
Associate Professor	Audiology, Speech-Lang. Path.	The University of Memphis	2002-
Faculty Affiliate	Institute for Intelligent Systems	University of Memphis	2010-

HONORS/AWARDS

HONOR/AWARD	INSTITUTION/COMPANY/ORGANIZATION	YEAR
Travel Award to attend NATO ASI	National Science Foundation	1989
Top Student Paper Award	International Communication Association	1990
Travel Award	Umeå University, Sweden	1995
Visiting Scientist Award	Umeå University, Sweden	May, Aug. 98
Visiting Scientist Award	University of Gothenberg, Sweden	May 98
Grant Reviewer	NIH Special Emphasis Panel IRG1 BBB7-01	Feb. 00
First Tennessee Professorship	The University of Memphis	2008-2010
Adjunct Appointment	Biomedical Engineering, University of Memphis	2017

TEACHING EXPERIENCE

SUBJECT	INSTITUTION
Speech Science (U) Winter, Spring '95.	University of Washington
Speech Signal Processing (G) Winter '95.	University of Washington
Speech Science (G) Spring 96-17	University of Memphis
Acoustic & Physiological Phonetics (G) Summer 96-Fall 01	University of Memphis
Microcomputers in Speech and Hearing Sciences (G) Spring 97-Summer 99	University of Memphis
Clinical Instrumentation (G) Spring 98-Fall 11, Summer 12, 13, 14, 15, 16, 17	University of Memphis
Seminar: Acoustic Phonetics (G) Summer 99-Spring 06	University of Memphis
Seminar: Social Interaction Analysis (G) Fall 00	University of Memphis
Acoustic and Perceptual Phonetics (G) Summer 02-Summer 11, Fall 12, 13, 14, 15, 16	University of Memphis
Digital Signal Processing for Speech and Hearing (G) Summer 03-Summer 11	University of Memphis
Professional Preparation for Scientists (G) Fall 04, 08, Summer 16	University of Memphis
Seminar: Bases of Human Vocalization (G) Fall 06	University of Memphis
Seminar: Dynamic Systems (G) Spring 08	University of Memphis
Phonetic Transcription, Spring 12, 13, 14, 15, 16, 17	University of Memphis
Seminar: The Syllable, Summer 12	University of Memphis
Introduction to Phonetic Transcription, Fall 12, 13, 14, 15, 16, 17	University of Memphis
Seminar: Vocal Coordination, Summer 16	University of Memphis

STUDENT ADVISING/MENTORING

CURRENT DEGREE	NAME	YEAR OF GRADUATION
Masters	Currently Advising 13 MA Students. See Appendix B for past Mentoring.	
Doctoral	Current Advisory Chair: M. Parsons, V. McDaniel, G. Alharbi, Current Advisory, Comprehensives, or Dissertation Committee Member: H. Yoo, C. Constantino, Yellamsetty, H. Long, J. Rogers, K. Mankel, C. Price. See Appendix B for past Mentoring.	Constantino, Yoo, Alharbi, Yellamsetty: 18, McDani

Books Published

Buder, E. H., Kent, R. D., Kent, J. F., Milenkovic, P., & Workinger, M. (1996). FORMOFFA: An automated formant, moment, fundamental frequency, amplitude analysis of normal and disordered speech. *Clinical Linguistics and Phonetics*, 10, 31–54. Reprinted in (1998) M. Cannito, K. Yorkston, & D. Beukelman (Eds.), *Neuromotor Speech Disorders: Nature, Assessment, and Management* (pp. 181–209). Baltimore, MD: Paul Brooks.

Buder, E. H. (1996). Experimental phonology with acoustic phonetic methods: Formant measures from child speech. In B. Bernhardt, J. Gilbert, & D. Ingram (Eds.), *Proceedings of the UBC International Conference on Phonological Acquisition* (pp. 254–265), Somerville, MA: Cascadilla Press.

Buder, E. H. (1996). Dynamics of speech processes in dyadic interaction. In J. Watt & C. A. Van Lear, Jr. (Eds.), *Dynamic Patterns in Communication Processes* (pp. 301–325), Thousand Oaks, CA: Sage.

Masterson, J., Buder, E. H., & Long, S. (1998). Instrumentation in clinical phonology. In Bernthal, J. & Bankson, N. (Eds.), *Articulation and phonological disorders*, 4th ed. (pp. 378–406) Englewood Cliffs, NJ: Prentice Hall.

Green J., Buder, E. H., Rodda, P., & Moore, C. A. (1998). Reliability of measurements across several acoustic voice analysis systems. In M. Cannito, K. Yorkston, & D. Beukelman (Eds.), *Neuromotor Speech Disorders: Nature, Assessment, and Management* (pp. 275–292). Baltimore, MD: Paul Brooks.

Buder, E. H. (2000). Acoustic analysis of voice quality: A tabulation of algorithms 1902–1990. In R. D. Kent & M. J. Ball (Eds.), *Voice Quality Measurement* (pp. 119–244). San Diego, CA: Singular Publishing Group.

Buder, E. H. (2004). Acoustic assessment of voice. In R. D. Kent (Ed.), *MIT encyclopedia of communication disorders* (pp. 3-6). Cambridge, MA: MIT Press.

Buder, E. H. (2006). Ch. 8: Voice production and dysfunction in motor speech disorders. In G. Weismer, (Ed.), *Motor speech disorders: Essays for Ray Kent*. Plural Publishing, San Diego, CA, pp. 121-150.

Buder, E.H., Cannito, M.P. (2009). Acoustic assessment of vocal fold function. In A. Blitzer, M. Brin, & L. Ramig (Eds.). *Neurological disorders of the larynx*, 2nd Ed. Thieme Medical Publishers, Inc., New York, NY.

Buder, E.H., Warlaumont, A.S., & Oller, D.K. (2013). An acoustic phonetic catalog of prespeech vocalizations from a developmental perspective. In B. Peter & A.A.N. MacLeod (Eds.), *Comprehensive perspectives on child speech development and disorders: pathways from linguistic theory to clinical practice*. Hauppauge, NY: Nova Science Publishers, Inc., pp. 103-134.

Buder, E.H., Jarmulowicz, L., & Oller, D.K. (2013). Acquisition of the English Voicing Contrast by Native Spanish-Speaking Children: Phonological Development in Voice Onset Times. In B. Peter & A.A.N. MacLeod (Eds.), *Comprehensive perspectives on child speech development and disorders: pathways from linguistic theory to clinical practice*. Hauppauge, NY: Nova Science Publishers, Inc., pp. 326-342.

Book Reviews

Buder, E. H., Cannito, M., & Kamhi, A. G. (2000). Review of W. Ziegler and K. Deger, Eds., (1998). *Clinical Linguistics and Phonetics*. London: Whurr Publishers. *Logopedics Phoniatrics Vocology*, 25:3, 139–141.

Buder, E. H. (2002). Review of *Forensic Voice Identification*, by H. Hollien. Doody's Review Service (on-line). Available: <http://www.doody.com>.

Refereed Journal Publications

- Read, C., Buder, E. H., & Kent, R. D. (1990). Speech analysis systems: A survey. *Journal of Speech and Hearing Research*, 33, 363–374.
- Buder, E. H. (1991). A nonlinear dynamic model of social interaction. *Communication Research*, 18, 174–198.
- Read, C., Buder, E. H., & Kent, R. D. (1992). Speech analysis systems: An evaluation. *Journal of Speech and Hearing Research*, 35, 314–332.
- Strand, E. A., Buder, E. H., Yorkston, K., & Ramig, L. (1994). Differential phonatory characteristics of four women with amyotrophic lateral sclerosis. *Journal of Voice*, 8, 327–339.
- Stoel-Gammon, C., Williams, K., & Buder, E. H. (1994). Cross-language differences in phonological acquisition: Swedish and American /t/. *Phonetica*, 51, 146–158. (Reprinted in *Phonetic Experimental Research*, XVIII, 21–38; Institute of Linguistics, University of Stockholm, 1994).
- Kehoe, M., Stoel-Gammon, C. K., & Buder, E. H. (1995). Acoustic correlates of stress in young children's speech. *Journal of Speech and Hearing Research*, 38, 338–350.
- Sussman, H., Minifie, F., Buder, E. H., Stoel-Gammon, C., & Smith, J. (1996) Consonant-vowel interdependencies in babbling and early words: Preliminary examination of a locus approach. *Journal of Speech and Hearing Research*, 39, 424–433.
- Buder, E. H., Kent, R. D., Kent, J. F., Milenkovic, P., & Workinger, M. (1996). FORMOFFA: An automated formant, moment, fundamental frequency, amplitude analysis of normal and disordered speech. *Clinical Linguistics and Phonetics*, 10, 31–54.
- Hartelius, L., Buder, E. H., & Strand, E. A. (1997). Long-term phonatory instability in individuals with Multiple Sclerosis. *Journal of Speech and Hearing Research*, 40, 1056–1072.
- Becker, M., Buder, E. H., & Ward, J. (1999). Description of the growl vocalization in small-eared Bushbaby mothers, *Otolemur garnettii*. *American Journal of Primatology*, 49, 32.
- Ramig, L., Gray, S., Baker, K., Corbin-Lewis, K., Buder, E. H., Luschei, E., Coon, H., & Smith, M. (2001). The aging voice: A review, treatment data and familial and genetic perspectives. *Folia Phoniatrica et Logopaedica*, 53, 252-265.
- Buder, E. H., & Stoel-Gammon, C. (2002). American and Swedish children's acquisition of vowel duration: effects of vowel identity and final stop voicing. *Journal of the Acoustical Society of America*, 111, 1854-1864.
- Buder, E. H., & Strand, E. (2003). Quantitative and graphic acoustic analysis of phonatory modulations: The modulogram. *Journal of Speech, Language, and Hearing Research*, 46, 475-490.
- Becker, M. L., Buder, E. H., & Ward, J. P. (2003). Spectrographic description of vocalizations in captive Garnett's Greater Bush Baby (*Otolemur garnettii*). *International Journal of Primatology*, 24, 415-446.
- Buder, E. H., & Wolf, T. (2003). Instrumental and perceptual evaluations of two related Singers. *Journal of Voice*, 17, 228-244.
- Becker, M. L., Buder, E. H., Bakeman, R., Price, M. D., & Ward, J. P. (2003). Quantitative evidence for structured communication between mother and infant in the small-eared bushbaby, *Otolemur garnettii*. *Folia Primatologica*, 74, 301-311.
- Adler, C. H., Bansberg, S. F., Hentz, J. G., Ramig, L. O., Buder, E. H., White, K., Edwards, B. W., Krein-Jones, K., & Caviness, J. N. (2004). Botulinum toxin type A for treating voice tremor. *Archives of Neurology*, 61, 1416-1420.
- Tanner, K., Roy, N., Ash, A., & Buder, E.H. (2005). Spectral moments of the long-term average spectrum: Sensitive indices of voice improvement after voice therapy? *Journal of Voice*, 119, 211-222.
- Cannito, M.P., Buder, E.H., & Chorna, L. B. (2005). Spectral amplitude measures of spasmodic dysphonic speech. *Journal of Voice*, 19, 391-410.
- Buder, E. H. (2005). The acoustics of nasality: Steps towards a bridge to source literature. *Perspectives on Speech Science and Orofacial Disorders*, 15(1), 4-8.
- Buder, E. H., Chorna, L. B., Oller, D. K., & Robinson, R. B. (2008). Vibratory Regime Classification of Infant Phonation. *Journal of Voice*, 22, 553-564.
- Dressler, R.A., Buder, E.H., & Cannito, M.P. (2009). Rhythmic patterns during conversational repairs in speakers with aphasia. *Aphasiology*, 23, 731-748.

Edrington, J.L., Buder, E.H., & Jarmulowicz, L. (2009). Hesitation patterns in third grade children's derived word productions. *Clinical Linguistics & Phonetics*, 23, 348-74.

Warlaumont, A.S., Oller D.K., Buder, E.H., Dale, R., & Kozma, R. (2010). Data-driven automated acoustic analysis of human infant vocalizations using neural network tools. *Journal of the Acoustical Society of America*, 127, 2563-2577.

Parham, D.F., Buder, E.H., Oller, D.K., & Boliek, C.A. (2011). Syllable-related breathing behaviors in infants in the second year of life. *Journal of Speech, Language, and Hearing Research*, 54, 1039-1050.

Cannito, M.P., Buder, E.H., Chorna, L.B., & Dressler, R. (2012). Acoustic measures of phonation during connected speech in Adductor Spasmodic Dysphonia. *Otolaryngology*, S1-003, doi: [10.4172/2161-119X.S1-003](https://doi.org/10.4172/2161-119X.S1-003).

Ramsdell, H.L., Oller, D.K., Buder, E.H., Ethington, C.A., Chorna, L. (2012). Identification of Prelinguistic Phonological Categories. *Journal of Speech, Language, and Hearing Research*, 55, 1626-1639.

Warlaumont, A.S., Westermann, G., Buder, E.H., Oller, D.K., (2013). Prespeech motor learning in a neural network using reinforcement. *Neural Networks*, 38, 64-75. doi: 10.1016/j.neunet.2012.11.

Oller, D. K., Buder, E. H., Ramsdell, H., Warlaumont, A. S., Chorna, L. B., & Bakeman, R. (2013). Functional flexibility of infant vocalization and the emergence of language. *Proceedings of the National Academy of Sciences of the United States of America*, 110, 6318-6323. doi: 10.1073/pnas.1300337110

Vincini, S., Jhang, Y., Buder, E., & Gallagher, S. (2017). An unsettled debate: Key empirical and theoretical questions are still open. *Brain & Behavioral Sciences*, 40, e401

Vincini, S., Jhang, Y., Buder, E., & Gallagher, S. (2017). Neonatal imitation: Theory, experimental design, and significant for the field of social cognition. *Frontiers in Psychology*, 8.

Buder, E.H., McDaniel, V., Oller, D. K., Bene, E. R., & Ladmirault, J. (in press). Registers in infant phonation. *Journal of Voice*.

Refereed Conference Publications

Buder, E. H., & Strand, E. A. (1993). Phonatory instability in ALS dysarthria: A case study. *The Journal of The Acoustical Society of America*, 94, 1782 (abstract).

Buder, E. H., Williams, K., & Stoel-Gammon, C. (1995). Characterizing the "adult target": Acoustic studies of Swedish American English /t/ and /p/. In K. Elenius & P. Branderud (Eds.), *The Proceedings of the XIIIth International Congress of Phonetic Sciences* (Vol. 3, pp. 400–403), Stockholm: KTH and Stockholm University.

Stoel-Gammon, C., Buder, E. H., & Kehoe, M. (1995). Acquisition of vowel duration: A comparison of English and Swedish. In K. Elenius & P. Branderud (Eds.), *The Proceedings of the XIIIth International Congress of Phonetic Sciences* (Vol. 4, pp. 30–37), Stockholm: KTH and Stockholm University.

Buder, E. H., Hartelius, L., & Strand, E. A. (1995). Phonatory instabilities in ALS and MS dysarthrias: Graphic and quantitative analyses. In K. Elenius & P. Branderud (Eds.), *The Proceedings of the XIIIth International Congress of Phonetic Sciences* (Vol. 4, pp. 472–475), Stockholm: KTH and Stockholm University.

Buder, E. H., & Eriksson, A. (1997). Prosodic cycles and interpersonal synchrony in American English and Swedish. In G. Kokkinakis, N. Fakotakis, & E. Dermatas (Eds.), *Eurospeech '97 Proceedings* (Vol. 1, pp. 235–238), Grenoble, FR: European Speech Communication Association.

Stoel-Gammon, C., & Buder, E. H. (1998). The effects of postvocalic voicing on the duration of high front vowels in Swedish and American English: Developmental data. In P. K. Kuhl & L. A. Crum (Eds.), *Proceedings, 16th International Congress on Acoustics and 135th Meeting Acoustical Society of America* (Vol. 4, pp. 2989–2990). Woodbury, NY: Acoustical Society of America.

Buder, E. H., & Stoel-Gammon, C. (1998). Acquisition of language-specific word-initial unvoiced stops: VOT, intensity, and spectral shape in American English and Swedish. In P. K. Kuhl & L. A. Crum (Eds.), *Proceedings, 16th International Congress on Acoustics and 135th Meeting Acoustical Society of America* (Vol. 4, pp. 2987–2988). Woodbury, NY: Acoustical Society of America.

Becker, M. L., Buder, E. H., & Ward, J. P. (1998, June). Vocalizations associated with mother-infant interactions in the small-eared Bushbaby (*Otolemur Garnettii*). *American Journal of Primatology*, 45, 166–167.

Buder, E. H., Cannito, M. P., Taylor, M. L., Woodson, G. E., & Murry, T. (1999). Assessment of BOTOX effects on Adductor Spasmodic Dysphonia using LTAS guided analysis. *Journal of the Acoustical Society of America*, 105, 1246.

Hartelius, L., & Buder, E. H. (1999). Phonatory characteristics in individuals with multiple sclerosis with and without cerebellar symptomatology. In H. Schutte, P. Dejonckere, H. Leezenberg, B. Mondelaers, & H. F. Peters (Eds.), *Proceedings of the XXIVth World Congress of the International Association of Logopedics and Phoniatrics* (Vol. 2, 602–605). Nijmegen, the Netherlands: Nijmegen University Press.

Stoel-Gammon, C., & Buder, E. H. (1999). Vowel length, post-vocalic voicing and VOT in the speech of two-year-olds. In J. J. Ohala, Y. Hasegawa, M. Ohala, D. Granville, & A. C. Bailey (Eds.), *Proceedings of the XIVth International Congress of Phonetic Sciences* (Vol. 3, 2485–2488). Dept. of Linguistics, University of California, Berkeley: Berkeley, CA.

Buder, E. H., & Eriksson, A. (1999). Time-series analysis of conversational prosody for the identification of rhythmic units. In J. J. Ohala, Y. Hasegawa, M. Ohala, D. Granville, & A. C. Bailey (Eds.), *Proceedings of The XIVth International Congress of Phonetic Sciences* (Vol. 2, 1071–1074). Dept. of Linguistics, University of California, Berkeley: Berkeley, CA.

Becker, M. L., Buder, E. H., & Ward, J. P. (2000). Investigating communicative functions of vocalization patterns in *Otolemur garnettii* mothers and infants [Abstract]. *International Journal of Psychology*, 35 (3–4 Sp Iss).

Buder, E. H., Becker, M. L., & Ward, J. P. (2000). Zoophonetics: Validating the communicative structure of primate vocalizations [Abstract]. *International Journal of Psychology*, 35 (3–4 Sp Iss), 142.

Becker, M., Wheatley, K., Buder, E. H., Price, M., & Ward, J. (2001). Spectrographic evidence of Bushbaby pillow talk [Abstract]. *American Journal of Primatology*, 54, 84.

Buder, E.H., Oller, K., & Magoon, J.C. (2003). Vocal Intensity and phonatory regimes in the development of infant protophones. In M. J. Solé & D. Recasans & J. Romero (Eds.), *Proceedings of the XVth International Congress of Phonetic Sciences*. Adelaide, Australia: Causal Productions.

Buder, E. H., Parham, D. F., & Stoel-Gammon, C. (2003). Sensitivity of spectral moments to Swedish dental versus American English alveolar word-initial /t/ bursts. *Journal of the Acoustical Society of America*, 113, 2329.

Edrington, J.L., Buder, E.H., Jarmulowicz, L. (2007). Hesitations in third grader's productions of derived words. In J. Trouvain, J. & Barry, W.J. (Eds.) *Proceedings of the 16th International Congress of Phonetic Sciences*, Saarland University, Germany, pp. 1097-1100.

Buder, E. H., & Edrington, J. L. (2008). Conversational prosodic interactivity when one partner has aphasia. In P. A. Barbosa, S. Madureira & C. Reis (Eds.), *Speech Prosody 2008 Conference* (pp. 501-504). Campinas, Brazil: Editora RG/CNPq.

Warlaumont, A. S., Oller, D. K., Buder, E. H., Kozma, R., & Dale, R. (2008). Analysis of infant vocalizations using a self-organizing map [Abstract]. In B. C. Love, K. McRae, & V. M. Sloutsky (Eds.), *Proceedings of the 30th Annual Conference of the Cognitive Science Society* (p. 1391). Austin, TX: Cognitive Science Society.

Oller, D.K., Nathani Iyer, S., Buder, E.H., Kwon, K., Chorna, L., & Conway, K. (2008). Diversity and contrastivity in prosodic and syllabic development. In J. Trouvain, J. & Barry, W.J. (Eds.) *Proceedings of the 16th International Congress of Phonetic Sciences*, Saarland University, Germany.

Buder, E.H., Warlaumont, A.S., Oller, D.K., & Chorna, L.B. (2010). Dynamic indicators of mother-infant prosodic and illocutionary coordination. In *Proceedings of the Speech Prosody 2010 Conference*

Cannito, M., Hough, M., Dressler, R. & Buder, E.H. (2011) Speech sound disorders associated with aphasia. *Stem-, Spraak- en Taalpathologie*, 17, 74.

Saleheen, N., Chakraborty, S., Ali, N., Rahman, M. M., Hossain, S. M., Bari, R., Buder, E., Srivastava, M., Kumar, S. (2016). mSieve: Differential behavioral privacy in time series of mobile sensor data. *Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing*, pp. 706-717. doi: 10.1145/2971648.2971753.

Bari, R., Adams, R.J., Rahman, M.M., Parsons, M.B., Buder, E.H., & Kumar, S. (in press). rConverse: Moment by moment conversation detection using a mobile respiration sensor. *Proceedings of the 2018 ACM International Conference on Interactive, Mobile, Wearable, and Ubiquitous Technologies*.

Non-Refereed Publications

Buder, E. H. (1986). *Coherence of speech rhythms in conversations: Autocorrelation analysis of fundamental voice frequency*. Toronto Semiotic Circle Monograph, 1986(2). Toronto: Toronto Semiotic Circle.

Buder, E. H. (1990). Fractals and phonetics. *AAPS Newsletter*, 17 (1), 10–16.

Buder, E. H. (2002). Review of *Forensic Voice Identification*, by H. Hollien. Doody's Review Service (on-line). Available: <http://www.doody.com>.

Buder, E.H. (2004). Subharmonic phonation: Measurement issue or descriptive object? *Perspectives on Voice and Voice Disorders*, 14(1), 8-12.

Presentations - Conference (refereed *)

Buder, E. H. (1995, June). Experimental phonology with acoustic phonetic methods: The adequacy of child speech data. Invited paper presented at the University of British Columbia International Conference on Phonological Acquisition, Vancouver, British Columbia.

Buder, E. H. (1996, November). Prosodic rhythms and conversational synchrony. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Seattle, WA.

Buder, E. H., Milenkovic, P., Kent, R. D., Tjaden, K., Maassen, B., & Jongman, A. (1999, November). Spectral moments measures for speech, language, and hearing. Paper presented at the annual convention of the American Speech-Language-Hearing Association, San Francisco, CA.

Buder, E. H. (2000, June–July). Bugs in the system: Entomology and cures. Paper presented at the Voice Foundation's 29th annual symposium: care of the professional voice. Philadelphia, PA.

Buder, E.H., Gray, S.D., Corbin-Lewis, K., Ramig, L.O., & Coon, H. (2002, November). Vocal Phenotyping: Familial Voice Traits 'From the Outside'. Paper presented at special session Understanding Familial Voice Traits and Vocal Fatigue from Outside to Inside of the annual meeting of the American-Speech-Language Hearing Association, Atlanta, GA.

Buder, E.H., Thibeault, S., Smith, M.E., Corbin-Lewis, K., Ramig, L.O., & Coon, Hilary (2003, November). Vocal Phenotyping: From Tissues to Tremors. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Chicago, IL.

Buder, E.H., Milenkovic, P., Green, J., Boliek, C., Oller, D.K., Pathak, H., Delgado, R., & Chorna, L. (2004, November). New methods and new questions in infant vocal development. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Philadelphia, PA.

Buder, E.H. (2007, November). Voice quality measurement: Update on acoustic analysis strategies. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Boston, MA.

Warlaumont, A. S., Oller, D. K., Buder, E. H., Dale, R., & Kozma, R. (2009, July). Neural networks that "listen" to infant vocalizations. Poster presented at the Department of Energy Computational Science Graduate Fellowship Annual Conference.

Buder, E. H. (2015, May). "Topography of human vocal development." Invited paper for Symposium on Learning about the Vocal World: Deciphering the Statistics of Communication, sponsored by the Institute for Quantitative Theory and Methods of the Center for Mind, Brain, and Culture, Emory University, Atlanta, GA.

Presentations - Universities/Industry (refereed *)

Buder, E. H. (1989, July). Interpersonal effects on speech timing. Paper presented at the NATO Advanced Study Institute in Speech Production and Speech Modeling, Bonas, France.

Buder, E. H. (1997, December). Acoustic analysis strategies for articulatory and phonological assessment. Workshop in Visiting Scholar Series, Dept. of Linguistics, University of Calgary, Calgary, AB.

Buder, E. H. (1997, December). Acoustic analysis of speech: What have we learned from children? Presentation in Visiting Scholar Series, Dept. of Linguistics, University of Calgary, Calgary, AB.

Buder, E.H. (2009, March). Interpersonal synchronizing: Coupled oscillator models. Paper presented to the Cognitive Sciences Seminar, Dept. of Psychology, The University of Memphis, Memphis, TN.

Buder, E.H. (2012, October). Physical bases for interpersonal synchronizing of vocal behaviors. Paper presented to the Mind, Technology, and Society Seminar, Dept. of Cognitive and Information Sciences, University of California, Merced, Merced, CA.

Buder, E. H. (2015, April). "Structures possibly associated with uniquely human speech capabilities." Invited paper for the Cognitive Sciences Colloquium, Institute for Intelligent Systems, University of Memphis, Memphis, TN.

Buder, E. H. (2015, September). "Introduction to dynamical systems: Terms and graphical elements." Invited paper for the Cognitive Sciences Colloquium, Institute for Intelligent Systems, University of Memphis, Memphis, TN.

Other Presentations (refereed *)

Buder, E. H., & Ritchie, L. D. (1989, May). Are the data random or merely chaotic?: Chaos theory and the limits to prediction. Paper presented at the annual meeting of the International Communication Association, San Francisco, CA.

Buder, E. H. (1989, November). Finger tapping as an indicator of the perception of prosody. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, St. Louis, MO.

Buder, E. H. (1990, July). Nonlinear dynamic modeling of mutual influence in dyadic interaction. Paper presented at the annual meeting of the International Communication Association, Dublin, Ireland.

Buder, E. H. (1992, May). Vocal synchrony in conversations between strangers: A gender effect. Poster presented at the annual meeting of the International Communication Association, Miami, FL.

Buder, E. H., & Strand, E. A. (1993, October). Phonatory instability in ALS dysarthria: A case study. Paper presented at the meeting of the Acoustical Society of America, Denver, CO.

Buder, E. H. (1994, March). Conversational prosody in dysarthria: Synchrony analysis. Paper presented at the Motor Speech Disorders Conference, Sedona, AZ.

Buder, E. H. (1994, July). Cycles and dynamic patterns in vocal interaction. Paper presented at the annual meeting of the International Communication Association, Sidney, Australia.

Buder, E. H. (1994, July). Gender differences in the prosodic basis for vocal synchrony. Paper presented at the 5th International Conference on Language and Social Psychology, Brisbane, Australia.

Buder, E. H., Williams, K., & Stoel-Gammon, C. (1995, August). Characterizing the "adult target": Acoustic and perceptual studies of Swedish dental and American English alveolar /t/. Poster presented at the XIIIth International Congress of Phonetic Sciences, Stockholm, Sweden.

Buder, E. H., Hartelius, L., & Strand, E. A. (1995, August). Long-term phonatory instabilities in ALS and MS dysarthrias: Graphic and quantitative analyses. Poster presented at the XIIIth International Congress of Phonetic Sciences, Stockholm, Sweden.

Buder, E. H. (1996, February). Methods for the analysis of long-term phonatory instability. Paper presented at the Conference on Motor Speech, Amelia Island, FL.

Buder, E. H., Stoel-Gammon, C., & Armstrong, C. (1997, April). Do children know IPA?: Cross-linguistic evidence to the contrary. Paper presented at the Child Phonology Conference, Boulder, CO.

Buder, E. H., & Eriksson, A. (1997, September). Prosodic cycles and interpersonal synchrony in American English and Swedish. Poster presented at Eurospeech '97, Rhodes, Greece.

Buder, E. H., & Stoel-Gammon, C. (1998, June). Acquisition of language-specific word-initial unvoiced stops: VOT, intensity, and spectral shape in American English and Swedish. Poster presented at the 16th International Congress on Acoustics and 135th Meeting Acoustical Society of America, Seattle, WA.

Buder, E. H., Cannito, M. P., Dressler, D., Woodson, G. E., & Murry, T. (1998, November). Phonatory analysis of spasmodic dysphonia: Modulations, subharmonics, & BOTOX response. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, San Antonio, TX.

Buder, E. H., Cannito, M. P., Taylor, M. L., Woodson, G. E., & Murry, T. (1999, March). Assessment of BOTOX effects on adductor spasmodic dysphonia using LTAS guided analysis. Poster presented at the 137th Meeting of the Acoustical Society of America and the 2nd Convention of the European Acoustics Association: Forum Acusticum, Berlin, Germany.

- Buder, E. H., & Eriksson, A. (1999, August). Time-series analysis of conversational prosody for the identification of rhythmic units. Paper presented at the XIVth International Congress of Phonetic Sciences, San Francisco, CA.
- Buder, E. H., Coon, H., Ramig, L., Corbin-Lewis, K., & Gray, S. D. (2001, June). Family differences in phonatory characteristics. Paper presented The Voice Foundation's 30th Annual Symposium: Care of the Professional Voice. Philadelphia, PA.
- Buder, E. H., Ramig, L., Gray, S. D., Coon, H., Corbin-Lewis, K., & Jensen, M. (2001, November). Evidence for inherited phonatory characteristics. Poster presented at the annual meeting of the American Speech-Language-Hearing Association.
- Buder, E.H., & Stoel-Gammon, C. (2002, May). American and Swedish children's acquisition of vowel duration: Effects of vowel identity and final stop voicing. Paper presented at the 2002 International Child Phonology Conference, Wichita, KS.
- Buder, E.H., Ramig, L.O., Corbin-Lewis, K., Coon, H., & Gray, S.D. (2002, September). Detection of vocal aging in family groups. Paper presented at the 2003 International Conference on Voice Physiology and Biomechanics, Denver, CO.
- Buder, E.H., Parham, D.F., & Stoel-Gammon, C. (2003, May). Sensitivity of Spectral Moments to Swedish Dental vs. American English alveolar word-initial /t/ bursts. Poster presented at the 145th meeting of the Acoustical Society of America, Nashville, TN.
- Buder, E.H., Oller, K., & Magoon, J.C. (2003, August). Vocal Intensity in the Development of Infant Protophones. Poster presented at the at the XVth International Congress of Phonetic Sciences, Barcelona, Spain.
- Buder, E.H., Strand, E.A., Hartelius, L., Cannito, M.P., Ramig, L.O., Chorna, L., Bansberg, S.F., Schalling, E., Spielman, J., & Adler, C.H. (2004, March). Comparing neurologic disorders by voice modulation profiles. Paper presented at the Conference on Motor Speech, Albuquerque, NM.
- Buder, E.H., Corbin-Lewis, K. Coon, H., & Ramig, L.O. (2006, June). Phonatory stability and mobility as phenotypes. Paper presented at the 5th International Conference on Speech Motor Control, Nijmegen, The Netherlands.
- Kwon, K., Buder, E.H., & Oller, D.K. (2006, June). Contextual flexibility in precanonical infant vocalizations: Its role as a foundation for speech. Paper presented at the 2006 International Child Phonology Conference, Edmonton, AB, Canada.
- Edrington, J.L. Buder, E.H., & Jarmulowicz, L. (2006, June). A preliminary examination of hesitation phenomena in a derived word task. Paper presented at the 2006 International Child Phonology Conference, Edmonton, AB, Canada.
- Kwon, K. Buder, E.H., Oller, D.K., & Chorna, L.B. (2006, November). The role of fundamental frequency characteristics in classifying prebabbling vocalizations. Paper to be presented at the annual meeting of the American Speech-Language-Hearing Association, Miami, FL.
- Bassich, C., Corbin-Lewis, K., Buder, E.H., Baxter, A., Roskelley, W., & McCall, G. (2006, November). Laryngeal & oral Diadochokinesis in young-onset Parkinson's Disease. Poster to be presented at the annual meeting of the American Speech-Language-Hearing Association, Miami, FL.
- Buder, E.H., Plexico, L.W., & Parham, D.F. (2006, November). Prosodic adaptations between familiar and unfamiliar partners when one stutters. Poster to be presented at the annual meeting of the American Speech-Language-Hearing Association, Miami, FL.
- Kwon, K. Buder, E.H., Oller, D.K., & Chorna, L. (2007, June). Classifying pre-canonical vocalizations based on fundamental frequency (f_0). Paper presented at the 2007 International Child Phonology Conference, Seattle, WA.
- Lee, K., Buder, E.H., & Parham, D.F. (2007, November). Respiratory correlates of conversational turn phase: possible indicators of fluency. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Boston, MA.
- Ramsdell, H.L., Oller, D.K., & Buder, E.H. (2007, November). Defining the canonical syllable in acoustic terms. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Boston, MA.
- Kwon, K., Oller, D.K., & Buder, E.H. (2007, November). Evidence of systematic repetition in infant vocalizations. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Boston, MA.
- Caucci, G. M., Kreuz, R. J., & Buder, E. H. (2007, November). Acoustic analyses of the sarcastic tone of voice. Paper to be presented at the 48th annual meeting of the Psychonomic Society, Long Beach, CA.
- Buder, E.H., Oller, D.K., Ramsdell, H., & Chorna, L.B. (2008, March). Acoustic Features that distinguish canonical syllables from precursors. Paper presented at the Conference on Motor Speech, Monterey, CA.*

- Wallace, M.C., Cleary, J.E., Buder, E.H., Pettit, W., & Oller, D.K. (2008, May). An acoustic inspection of vocalizations in young children with autism spectrum disorders. Paper presented at the International Meeting for Autism Research, London, UK.*
- Buder, E.H. & Edrington (2008, May). Conversational prosodic interactivity when one partner has aphasia. Paper presented at the Fourth Conference on Speech Prosody, University of Campinas, Brazil.*
- Buder, E.H. (2008, October). The Role of Cyclic Speech Parameters in the Maintenance of Conversational Interaction: A Review. Paper presented at the Speech and Face to Face Communication meeting, Grenoble, France.*
- Cauci, G. M., Kreuz, R. J., & Buder, E. H. (2008, November). "I'm always Sincere": what is salient in sarcasm? Paper presented at the 49th annual meeting of the Psychonomic Society, Long Beach, CA.*
- Kwon, K., Oller, D.K., Buder, E.H., & Cleary, J.E. (2008, November) Pitch in prelinguistic vocalizations of children with autism. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Chicago, IL.*
- Wallace, M.C., Cleary, J.E., Buder, E.H., Oller, D.K., Sheinkopf, S., & Mundy, P. (2008, November) An acoustical analysis of vocalizations of children with autism. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Chicago, IL.*
- Warlaumont, A., Oller, D.K., Buder, E.H., & Kwon, K. (2008, November) A self-organizing neural network for classification of infants' preverbal vocalizations. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Chicago, IL.*
- Buder, E.H., Parham, D.F., Doiuchi, M., & Oller, D.K. (2009, November). Development of respiratory and phonatory control in infancy. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, New Orleans, LA.*
- Kwon, K., Oller, D.K., & Buder, E.H. (2009, November). Systematic vocal repetition in infant vocalizations. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, New Orleans, LA.*
- Warlaumont, A. Oller, D.K., & Buder, E.H. (2010, March). Modeling the Perception of Infant Vocalizations: a Comparison of a Self-Organizing Map and Principal Components Analysis. Paper presented at the biennial meeting of the International Conference on Infant Studies, Baltimore, MD.
- Buder, E.H., Oller, D.K., & Bakeman, R. (2010, April). Vocal repetition increases during the first year of development. Paper presented at the International Child Phonology Conference, Memphis, TN.
- Doiuchi, M. Buder, E.H., & Parham, D. (2010, April). Acoustic and respiratory perspectives on glottal development in infants 9 to 18 months. Paper presented at the International Child Phonology Conference, Memphis, TN.
- Buder, E.H., Warlaumont, A.S., Oller, D.K., & Chorna, L.B. (2010, May). Dynamic indicators of mother-infant prosodic and illocutionary coordination. Paper presented at the 2010 Speech Prosody Conference, Chicago, IL.
- Buder, E.H., Jarmulowicz, L., & Oller, D.K. (2010, November). L2-L1 effects in stops: Spanish-English Bilingual & Monolingual Children. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Philadelphia, PA.
- Cannito, M.P., Hough, M., Dressler, R., & Buder, E.H. (2011, June). Speech sound disorders associated with Aphasia. Poster presented at the 6th International Conference on Motor Speech, Groningen, The Netherlands.
- Buder, E.H., Oller, D.K., Fields, R.D., Bradley, A., & Cleary, J. (2011, November). Early positive signs of autism: home- and lab-based findings. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, San Diego, CA.
- Dromey, C. Smith, M.E., Barton, M., Corbin-Lewis, K., and Buder, E.H. (2012, March). Vocal modulation in Multiple Sclerosis: A potential clinical marker. Poster presented at the Conference on Motor Speech, Santa Rosa, CA.
- Warlaumont, A.S. Dale, R., Buder, E.H., Franklin, B., & Oller, D.K. (2012, June). Interactive online training and diary systems for caregivers of prelinguistic infants. Poster presented at the 2012 International Child Phonology Conference, Minneapolis, MN.
- Warlaumont, A.S., Westermann, G., Oller, D.K., & Buder, E.H. (2012, June). A neural network model of infant vocalization learning with reinforcement. Poster presented at the 2012 International Conference on Infant Studies, Minneapolis, MN.
- Buder, E.H., & Sloggy, J. (2012, November) Effects of Nonlinear Source-Filter Coupling on Vibrato Stability. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Atlanta, GA

- Buder, E.H., Dromey, C., Smith, M.E., Barton, M., & Corbin-Lewis, K. (2013, December). Modulations of SPL and f0 occur in suspected multiple sclerosis and increase with severity. Paper presented at the 8th International Workshop on Models and Analysis of Vocal Emissions for Biomedical Applications, Florence, Italy.
- Buder, E.H. Alharbi, G. & Cannito, M.P. (2014, November). Spectral correlates of post-treatment voice improvement in Parkinson's Disease: The importance of cepstral slope. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Orlando, FL.
- Oller, D. K., Vohr, B., Caskey, M., Yoo H., Bene E., Jhang Y, Warlaumont A., Griebel, U., Buder, E. (2014, November). Infant vocalization and birdsong: an infrastructural view. Paper for symposium on Speech & song development (Chair: D.K. Oller), for the Society for Neuroscience satellite meeting: Birdsong4: Rhythms and Clues from Neurons to Behavior. Washington, DC.
- Buder, E. H. & Oller, D. K. (2015, November). "Acoustic structure of common early protophones." Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Denver, CO.
- McDaniel, V., Caucci, G. M., & Buder, E. H. (2015, November). "Evaluating parent-infant vocal interaction with high time-precision using sequential analysis." Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Denver, CO.
- Yoo, H., Buder, E. H., Lee, C-C., & Oller, D. K. (2015, November). "Differentiating acoustic properties of cry and speech-like vocalizations in the first year." Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Denver, CO.
- Parsons, M., Buder, E.H., & Bari, R. (2016, November). "Respiratory Kinematics during turn exchange in familiar dyads." Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Philadelphia, PA.
- McDaniel, V., Buder, E.H., & Caucci, G. (2016, November). "Overlap and alternation in mother-infant turn-taking during the first year of life." Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Philadelphia, PA.
- Percy, K., Buder, E.H., Cannito, M., & Naryana, S. (2016, November). "Effect of phonatory factors on formant measures in patients with PD pre- to post-LSVT augmented with TMS." Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Philadelphia, PA.
- Rogers, J., Jarmulowicz, L., & Buder, E.H. (2016, November). "Hesitation phenomena in third grader's productions of derived pseudo words." Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Philadelphia, PA.
- Yoo, H., Bidelman, G. Buder, E.H., van Mersbergen, M., & Oller, D.K (July, 2017). "Differentiating infant cry from non-cry vocalizations based on perception of negativity and acoustic features." Poster presented at the annual meeting of the Acoustical Society of America, Boston, MA.
- Griebel, U., Call, J., Buder, E. H., & Oller (July, 2017). Comparisons of directed gaze during vocalizations in bonobo and human infants. Poster presented at the Convention of the Cognitive Science Society, London, UK.
- McDaniel, V. & Buder, E.H. (November, 2017). Overlap and alternation in mother-infant turn-taking during the first two years of life. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Los Angeles, CA.
- Parsons, M. & Buder, E.H. (November, 2017). Respiratory phase alignment during turn exchange. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Los Angeles, CA.
- Constantino, C., Manning, W., Eichorn, N. Buder, E.H., & Beck, J.G. (November, 2017). The experience of spontaneity during stuttered and fluent speech. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Los Angeles, CA.
- Buder, E.H. (November, 2017). Detecting registers in infant phonation. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Los Angeles, CA.
- Rogers, J., Jarmulowicz, L., & Buder, E.H. (November, 2017). Exploring the Relationship Between Phonological Processing & Speech Hesitations During Third Grader's Derived Word Productions. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Los Angeles, CA.

SUPPORT

(External)

ACTIVITY	AGENCY/SOURCE	AMOUNT	PERIOD
Portion of contract awarded to PI Santosh Kumar; My role is Co-Investigator	IARPA	83,123.27	6/27/17-5/27/18
R01 w/Oller, role: Co-investigator, "Early Vocal Development and Prediction of Autism"	NIH	2,619,508	Dec 2016 - November 2021
Subcontract w/Cannito, Role: Co-Investigator on subcontract, "Augmenting treatment effects of voice therapy in Parkinson	University of Tennessee Health Science Center	2% effort	10/2014 - 11/2015
R15 w/Cannito, role: Co-investigator, "Intelligibility Mechanisms in Parkinson's Disease Pre and Post Voice Treatment" (revision submitted 2012, scored but not funded)	NIH	c. 300,000/yr (direct)	2013-2017
R01 w/Oller, role: Co-investigator, "Vocal exploration and interaction in the emergence of speech" (awarded March 2011)	NIH	2,938,356	March 2011-February 2016
Kirchstein-NRSA F31 predoctoral fellowship for Doug Parham, role: mentor. Title "Vocalization and speech breathing in infants."	NIH	c. \$70,000	5/06-4/08
R01, role: co-investigator Title: Phonology and Literacy in Early Bilinguals.	NIH	c. \$2,400,000	06/05-07/11
R01 w/Oller, role: co-PI, Title: Infant vocalization and the foundations for speech	NIH	c. \$2,000,000	12/03-6/10
Linguistic Proposal "'Interpersonal Synchrony during Conversational Interaction: Gender and Familiarity," role: PI (submitted July 2008, declined but "revision encouraged")	NSF, Behavioral and Cognitive Sciences Division	279,347	3/09-2/11
Linguistic Proposal "'Interpersonal Synchrony during Conversational Interaction: Gender and Familiarity," role: PI (submitted July 2007, declined but "revision encouraged")	NSF, Behavioral and Cognitive Sciences Division	\$252,562	3/08-2/10
Subcontract to Wester Kentucky University for R. Dressler (status: not awarded)	NIH	\$13,256	3/07-2/09
Lab Study for mPerf: Communication Behaviors in Work-Related Tasks, a portion of contract 1704280006	IARPA - Mosaic Project	\$405,668 (116,734 for Base period and up to 288,934 for three Option periods)	Base period 7/26/17-5/26/18, Option periods ending 3/27/19, 2/28/20, and 12/29/20

OUTREACH

Project/s summary

PROJECT	PARTICIPANTS	PERIOD	SPONSORSHIP
Workshop for University of Georgia Spring Conference: Infant Vocal Development and Young Child Phonology: Implications of Research for Assessment and Intervention.	SLPs, Special Ed Teachers, Psychologists, etc. (c. 60). Co-presenter: D. K. Oller	April 6, 2005	University of Georgia Dept. of Communication Sciences and Special Education, and Athens Regional Rehabilitation Services
Proposed Collaborator on Research Project "Disfluency Patterns and Prosodic Adaptations Associated with High Functioning Autism and Asperger's Syndrome"	PI: Laura Plexico, Auburn University	Not Awarded; Pilot data collection underway for resubmission	Submitted November 2007 to Autism Speaks Foundation
Senior Independent Study: Infant Vocal Development	Alex Sewicki	Summer 2012	St. George's Independent School
Alternative Clinical Education Task Force	Nancy Alarcon, U. of Washington, Chair	2011-2013	Council of Academic Programs in Communication Sciences and Disorders
Screening of Music School Voice Students	Evan Jones and students	2014	

Consulting on aging singers research project	Ryan Fisher	2014	
Prototyping Joint CSD BioMedEng Masters	Joel Bumgardner, Eugene Eckstein	2016-	

SERVICE

UNIVERSITY	COMMITTEE/ACTIVITY	PERIOD
University	Information Technology Research Advisory Committee	04-08
Brigham Young University	Tenure Review	2005
College/School	Admissions Committee (Chaired)	05-06
University	Eminent Faculty Award Selection Committee	05-06
College/School	Website Review Committee (current Chair)	06-present
College/School	Appointments Committee, Chair	07-10
Brigham Young University	Tenure Review	2008
College/School	Curriculum Committee member	09-present
Duquesne University	Tenure Review	2009
Wayne State University	Tenure Review	2010
University of Northern Colorado	Tenure Review	2010
University	Teaching and Learning Advisory Committee	10-13
University	Chair, IIS/CSD Assistant Professor Search Committee	Fall 2011-Spring 2012
School of Communication Sciences and Disorders	Planning Task Force	2011-2014
Institute for Intelligent Systems	Strategic Planning Committee	2014
School of Communication Sciences & Disorders	Coordinator of SLP Curriculum Review with ICL Team	2014-
School of Communication Sciences & Disorders	Chair, Tenure Track Faculty Search Committee	2014-2015, 2015-2016
ASHA Foundation	Speech Science Research Grant Reviewer	2014
School of CSD	Chair, SLP Curriculum Subcommittee	2016-
University of Memphis	Faculty Senator	2016-
University of Memphis	Faculty Policy Committee	2016-
University of Memphis	Faculty Senate Ad Hoc Faculty Handbook Committee	2016-
University of Memphis	Research Investment Fund Reviewer	2017
University of Memphis	Chair, Faculty Policies Committee	2017-2018
School of Communication Sciences & Disorders	Tenure & Promotion	Fall 2017
School of Communication Sciences & Disorders	Special Promotion Committee for CSD Full Professor	Fall 2017
School of Communication Sciences & Disorders	Public Information Committee	Fall 2017 -
School of Communication Sciences & Disorders	Chair, Curriculum Committee	2011-2016
School of Communication Sciences & Disorders	Chair, Curriculum Committee	2017-

OTHER

SOCIETY/ORGANIZATION/JOURNAL	COMMITTEE/EDITORIAL BOARD/OFFICE	PERIOD
Journal of Speech, Language and Hearing	Editorial Board (active reviewer, e.g. 4-5/year).	'96-present
Journal of the Acoustical Society of America	Reviewer (ad hoc, e.g. 2/year).	'96-present
Journal of Phonetics	Occasional Reviewer	'99-present
Folia Phoniatica et Logopedica	Occasional Reviewer	'99-present
Volta Review	Occasional Reviewer	'03-present
American Speech-Language-Hearing Association	Program Committee Topic Chair for Basic Speech Science, 2004 Conference	'03-'04
Developmental Review	Occasional reviewer	'05-present
Language and Speech	Occasional Reveiwer	'07-present
Clinical Linguistics and Phonetics	Occasional reviewer	2008-
GESPIN2009 Conference, Poland	Scientific Review Board Member	2009
Neurological Sciences	Occasional reviewer	2009-
International Journal of Speech-Language Pathology	Occasional reviewer	2010-
International Journal of Pediatric Otorhinolaryngology	Occasional reviewer	2010-
Journal of Child Language	Occasional Reveiwer	2011-
Council of Academic Programs in Communication	Ad Hoc Committee on Alternative Clinical	Spring 2011-

Sciences and Disorders	Experience	Spring 2013
American Speech-Language-Hearing Association	Speech Science Program Committee Member	'11-12
Journal of Speech Science	Editorial Board	'11-present
American Journal of Speech-Language Pathology	Occasional Reviwer	'09-present
Asia Pacific Journal of Speech, Language and Hearing	Occasional Reviwer	'12-present
Movement Disorders	Occasional Reviwer	'12-present
Speech Communication	Occasional Reviewer	2016-
Infant Behaviour	Occasional Reviewer	2016-
Frontiers in Psychology	Occasional Reviewer	2016-
IEEE Transactions on Cognitive and Development Systems	Occasional Reviewer	2016-
Forensic Sciences Research	Occasional Reviewer	2016-
Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies	Occasional Reviewer	2016-
Natural Sciences & Engineering Research Council Canada	Discovery Grants Reviewer	Spring 2018

CONSULTING

ORGANIZATION/COMPANY	PERIOD
Cambridge University Press	2010-11
Shalini Naryana, UT Neuroscience	2016

Appendix A

Academic Year (please indicate year)	Course #	Course Name	Credit Hours	Percent Taught	Enroll	Labratory Supervised(S)/Instructed(I)	New Preparation (Y)/(N)
Spring 2012	AUSP7000/8000	Speech Science	3	100	33		
	AUSP7501	Phonetic Transcription	1	100	30		Y
	AUSP7996	Thesis	3	100	1		Y
	AUSP8221	Individual Project in Speech-Pathology	1	100	1		Y
	AUSP9000	Dissertation	1	100	1		
Summer 2012	AUSP7990	Special Project	3	100	2		Y
	AUSP8002	Seminar in Speech-Pathology	3	100	6		Y
	AUSP8200	Individual Reading in Speech-Pathology	3	100	2		
	AUSP9000	Dissertation	1	100	1		
Fall 2012	AUSP7800	Individual Readings Speech Pathology	3	100	14		Y
	AUSP8008	Acoustic and Perceptual Phonetics	3	100	16		
	AUSP8200	Individual Readings Speech Pathology	3	100	1		
	AUSP8221	Individual Project in Speech Pathology	1	100	2		
Spring 2013	AUSP7000/8000	Speech Science	3	100	29		
	AUSP 7501	Phonetic Transcription	1	100	28		
	AUSP7990	Special Projects	3	100	2		Y
	AUSP8221	Individual Project in Speech Pathology	3	100	1		Y
	AUSP9000	Dissertation	1	100	1		
Summer	AUSP7207/8207	Clinical	3	100	9		

2013		Instrumentation				
	AUSP7990	Special Projects	3	100	2	Y
	AUSP8221	Individual Project in Speech Pathology	3		1	Y
	AUSP8002	Seminar in Communication Sciences	3	100	2	
Fall 2013	AUSP7502	Introduction to Phonetic Transcription	1	100	14	Y
	AUSP8008	Acoustic and Perceptual Phonetics	3	100	5	
	AUSP8221	Individual Project in Speech Pathology	3	100	1	Y
	AUSP9000	Dissertation	1	100	1	
Spring 2014	AUSP 7000/8000	Speech Science	3	100	34	
	AUSP 7501	Phonetic Transcription	1		31	
	AUSP 7990	Special Project	3	100	1	Y
	AUSP 9000	Dissertation	1	100		
Summer 2014	AUSP 7207/8207	Clinical Instrumentation	3	100	13	
	AUSP 7990	Special Project	3	100	1	Y
	AUSP 8002	Seminar In Communication Sciences	3	100	5	Y
Fall 2014	AUSP 7502	Intro. to Phonetic Transcription	1	100	14	
	AUSP 8008	Acoustic & Perceptual Phonetics	3	100	8	
	AUSP 8221	Individual Project in Speech Language Path.	3	100	3	Y
Spring 2015	AUSP7000/8000	Speech Science	3	100	24	
	AUSP7501	Phonetic Transcription	1	100	25	
	AUSP7990	Special Project	2	100	1	Y
	AUSP7991	Clinical Research Colloquium	1	100	27	
Summer 2015	AUSP7207/8207	Clinical Instrumentation	3	100	13	
	AUSP7990	Special Project	2	100	1	Y
	AUSP7990	Special Project	3	100	1	Y
	AUSP8221	Individual Project Sp Path	3	100	2	Y
Fall 2015	AUSP7000/8000	Speech Science	3	100	26	
	AUSP7502	Intro Phonetic Transcription	3	100	11	
	AUSP8121	Ind Proj Audiology	3	100	1	Y
	AUSP8221	Ind Proj Sp Path	3	100	3	Y
Spring 2016	AUSP 7501	Phonetic Transcription	1	100	23	
	AUSP 8008	Acoustic and Perceptual Phonetics	3	100	10	
	AUSP 8002	Seminar in Communication Sciences	3	100	4	Y
	AUSP 7990	Special Project	3	100	1	Y

	AUSP 7990	Special Project	2	100	2		Y
	AUSP 7990	Thesis	3	100	1		Y
	AUSP 8200	Ind. Reading Sp. Path	3	100	1		Y
Summer 2016	AUSP 7207/8207	Clinical Instrumentation	3	100	7		
	AUSP 8021	Professional Prep for Scientists	1	100	7		Y
	AUSP 7990	Special Project	2	100	1		Y
	AUSP 7990	Special Project	1	100	1		Y
	AUSP 7996	Thesis	3	100	1		Y
	AUSP 8200	Ind. Read. Sp. Path	4	100	1		Y
	AUSP 8200	Individual Reading	2		2		Y
	AUSP 8221	Ind. Read. Sp. Path	3	100	1		Y
Fall 2016	AUSP 7502	Intro Phonetic Transcription	1	100	10		
	AUSP 8008	Acoustic and Perceptual Phonetics	3	100	14		
	AUSP 7990	Special Project	1	100	1		Y
	AUSP 8200	Ind. Read. Sp. Path	4	100	1		y
	AUSP 8200	Ind Read Sp Path	2	100	1		Y
	AUSP 8200	Ind. Read. Sp. Path	3	100	2		Y
Spring 2017	AUSP7000	Speech Science	3	100	26		
	AUSP7501	Phonetic Transcription	1	100	24		
	AUSP7990	Special Projects	1	100	4		Y
	AUSP7990	Special Projects	3	100	1		Y
	AUSP8221	Ind. Proj. Sp. Path.	3	100	1		Y
	AUSP9000	Dissertation	5	100	1		Y
	AUSP9000	Dissertation	7	100	1		Y
Summer 2017	AUSP7207	Clinical Instrumentation	3	100	6		
	AUSP8200	Ind Reading Sp Path	2	100	2		Y
	AUSP7990	Special Projects	1	100	2		Y
	AUSP9000	Dissertation	2	100	2		Y
Fall 2017	AUSP7502	Intro. to Phonetic Transcription	1	100	11		
	AUSP7990	Special Projects	1	100	2		Y
	AUSP8200	Ind. Reading Sp. Path.	3	100	1		Y
	AUSP9000	Dissertation	1	100	1		Y
	AUSP9000	Dissertation	3	100	1		Y
	BIOM4210	Research Studies	3	100	1		Y

Appendix B

Masters Mentoring:

Past Thesis Committee Chair: K. Percy (16), J. Sloggy (12), M. Morris (05), L. Sutton (03), J. M Magoon (03), K.M. Kleeman (02).

Past Thesis Committee Member: M. Battles (14), A. Bradley (11), R. Fields (11), A. Pennino (10), M. Wallace (08), G. Caucci (Psych, 08), A. Alford (07), J. Roche (Psych 07), L. Plexico (02).

PhD Mentoring:

Past Dissertation Committee Chair: M. Doiuchi (14), J. Seek (withdrew), Parham (08), Berni (withdrew), Dressler (04).

Past Dissertation Committee Member: S-M. Lee (17), H-J. Yoo (17), C-C. Lee (17), C. Patro (16), Y. Jhang (16), W-L. Chung (15), B. Franklin (13), A. Warlaumont (12), N. Duran (Psych, 11), J. Roche (Psych, 11), K. Kwon (10), K. Lee (09), H. Ramsdell (09), T. Prout (05), D. Fletcher (02), L. Hinton (01), A. Dilollo (01), Bender (01), M. Becker (Psych, 00), R. Weaver (00), A Danesh (99), M. Taylor (99).

Past Advisory Committee Chair: G. Alharbi (17), M. Parsons (17), V. McDaniel (18), M. Doiuchi (15), J. Kang (withdrew), Parham (08), Dressler (04).

Past Advisory Committee Member: H. Long (19), H. Yoo (18), K. Durant (17), C-C. Lee (17), Y. Jhang (16), J. Xu (11), L. Plexico

(06), A. Dilollo (01), B. Bender (01), M. McDonald (withdrew), G. Flamme (99), Huckabee (99).
Past Major Area Project Committee Member: M. Becker (Psych, 00).
