

## CURRICULUM VITAE

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### Contact Information:

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### Academic Background

2002-2006: Post-Doctoral Visiting Fellow, Laryngeal and Speech Section, National Institute of  
 Neurological Disorders and Stroke, Bethesda, MD

1997-2002: Doctor of Philosophy, Department of Speech-Language Pathology, University of  
 Toronto, Toronto, ON

Dissertation: Sensorimotor Function in Persons who Stutter

1995-1996: Master of Health Science in Speech-Language Pathology, Department of Speech-  
 Language Pathology, University of Toronto – Transferred to PhD program

1993-1995: Master of Clinical Science in Audiology, Department of Communicative Disorders,  
 University of Western Ontario, London, ON

Thesis: The characteristics of distortion product otoacoustic emissions in  
 subjects with unilateral cochlear endolymphatic hydrops

1988-1992: Bachelor of Arts Honours in Physical Geography, Department of Geography,  
 University of Western Ontario, London, ON

Director: NeuroSpeech Lab, Dept. of Speech and Hearing Science, Univ. of Illinois

Affiliations: 1) Beckman Institute for Advanced Studies, Univ. of Illinois; 2) Program in  
 Neuroscience, Univ. of Illinois; 3) Department of Linguistics, Univ. of Illinois; 4) Center for  
 East Asian and Pacific Studies, Univ. of Illinois.

### Peer-reviewed Publications

1. Pelczarski, K., Tendra, A., Dye, M. & Loucks, T. M. (2018). Delayed Phonological  
 Encoding in Stuttering: Evidence from Eye Tracking. *Language and Speech*. In Press
2. Ning, L. H., Loucks, T. M. & Shih, C. (2018). Suppression of Vocal Responses to Auditory  
 Perturbation with Real-time Visual Feedback. *The Journal of the Acoustical Society of  
 America*. In Press
3. Sengupta, R., Shah, S., Loucks, T. M., Pelczarski, K., Yaruss, J. S., Gore, K. & Nasir, S. M.  
 (2017). Cortical dynamics of disfluency in adults who stutter. *Physiological Reports*, 5(9),  
 e13194, doi: 10.4814/phy2.13194
4. Sengupta, R., Shah, S., Gore, K., Loucks, T. M. & Nasir, S. M. (2016). Anomalous Neural  
 Phase Coherences Accompany Reduced Sensorimotor Integration in Adults Who Stutter.  
*Neuropsychologia*, 93 (Pt A): 242-250, doi: 10.1016/j.neuropsychologia.2016.11.004
5. Buhr, A. P., Zebrowski, P., Moon, J., Tumanova, V., Arenas, R. & Loucks, T. M. (2016).  
 Opening and closing jaw movements of young children who stutter. *Journal of Speech  
 Pathology and Therapy*, 1(3), 1-15

6. Loucks, T. M., Suneel, D. & Aronoff, J. M. (2015). Audio-vocal responses elicited in adult cochlear implant users. *Journal of the Acoustical Society of America*, 138(4): EL, 393-398. doi: 10.1121/1.4933233
7. Ambrose, N. G., Yairi, E., Loucks, T. M., Seery, C. & Throneburg, R. (2015). Relation of Motor, Linguistic and Temperament Factors in Epidemiologic Subtypes of Stuttering: Initial Findings. *Journal of Fluency Disorders*, 45, 12-26. PMID: PMC4546885 [Available on 2016-09-01] doi: 10.1016/j.jfludis.2015.05.004. Epub 2015 Jun 1
8. Ning, L. H., Loucks, T. M. & Shih, C. (2015). A Unique Contribution of High Level Tone to Differentiating Vocal Sensorimotor Control. *Journal of Phonetics*, 51, 50-69
9. Sturgeon, B. A., Hubbard, R. J., Schmidt, S. A. & Loucks, T. M. (2015). High F0 and musicianship make a difference: Pitch-shift responses across the vocal range. *Journal of Phonetics*, 51, 70-81
10. Hilger, A., Loucks, T. M., Quintos-Pozos, D. & Dye, M.W. (2015). Production fluency in spoken language users acquiring a sign language as an L2 in adulthood. *Second Language Research*, 31(3), 375-388
11. Ning, L. H., Shih, C. & Loucks, T. M. (2014). Mandarin Tone Learning in L2 Adults: A Test of Perceptual and Sensorimotor Contributions. *Speech Communication*, 63-64(1), 55-69. <http://dx.doi.org/10.1016/j.specom.2014.05.001>
12. Ward, A. M., Loucks, T. M., Ofori, E. & Sosnoff, J. J. (2014). A direct comparison of short-term audiomotor and visuomotor memory. *Motor Control*, 18(2), 127-45
13. Holtrop, J., P., Loucks, T. M., Sutton, B. (2014). Investigating age-related changes in fine motor control across different effectors and the impact of white matter integrity. *NeuroImage*, 96(1), 81-87
14. Bronson-Lowe, C. R., Loucks, T. M., Ofori, E. & Sosnoff, J. J. (2013). Aging Effects on Sensorimotor Integration: A comparison of effector systems and feedback modalities. *Journal of Motor Behavior*, 45(3), 217-230
15. Chon, H. C., Steger, S., Zhang, J., Ambrose, N. & Loucks, T. M. (2013). Individual variability in delayed auditory feedback effects on speech fluency. *Journal of Speech Language and Hearing Research*, 56(2), 489-504
16. Rong, P. Y., Loucks, T. M., Kim, H. J. & Hasegawa-Johnson, M. (2012). Assessment of tongue-jaw coordination in spastic dysarthria using simultaneous EMA and EMG recordings. *Clinical Linguistics and Phonetics*, 26(9), 806-822
17. Loucks, T. M. Ofori, E. & Sosnoff, J. J. (2012). Auditory Motor Memory of Oral and Manual Effectors. *Journal of Perceptual and Motor Skills*, 114(3), 915-935.
18. Loucks, T.M., Chon, H.C. & Han, W.J. (2012). Auditory-Vocal Integration in Adults who Stutter. *International Journal of Language and Communication Disorders*, 47(4), 451-456, DOI: 10.1111/j.1460-6984.2011.00111.x
19. Loucks, T. M. & De Nil, L. F. (2012). Oral Sensorimotor Integration in Adults who Stutter. *Folia Phoniatica et Logopedica*, 64(3), 116-121
20. Choo, A.L., Chang, S.E., Zengin-Bolotkale, H., Ambrose, N.G., & Loucks, T.M. (2012). Corpus Callosum Differences between Children with Persistent Stuttering and Children who have Recovered. *Journal of Communication Disorders*, 45(4), 278-289
21. Ofori, E., Loucks, T. M. & Sosnoff, J. J. (2012). Visuomotor and Audiomotor Processing in Continuous Force Production of Oral and Manual Effectors. *Journal of Motor Behavior*, 44(2):87-96
22. Choo, A. L., Kraft, S. J., Sharma, H., Ambrose, N. G., Chang, S.E. & Loucks, T. M. (2011). Corpus Callosum Differences associated with Persistent Stuttering in Adults. *Journal of Communication Disorders*, 44(4), 470-477

23. Loucks, T. M., Kraft, S. J., Choo, A. L., Sharma, H. & Ambrose, N. G. (2011). Functional Brain Activation Differences in Stuttering identified with a rapid fMRI Sequence. *Journal of Fluency Disorders*, 36(4), 302-7
24. Loucks, T. M., Ofori, E., Grindrod, C.M., De Nil, L. F. & Sosnoff, J. J. (2010). Auditory Motor Integration in Oral and Manual Effectors. *Journal of Motor Behavior*, 42(4), 233-40
25. Loucks, T. M., Shosted, R. K., De Nil, L. F., Poletto, C. J. & King, A. (2010). Coordinating Voice Onset with Articulation: A Potential Role for Sensory Cues in Shaping Phonological Distinctions. *Phonetica*, 67, 1-16
26. Chang, S.E., Kenney, M.K., Loucks, T.M.<sup>1</sup>, Poletto, C.J. & Ludlow, C.L. (2009). Common neural substrates support speech and non-speech vocal tract gestures. *NeuroImage*.<sup>1</sup> Torrey Loucks and the second author contributed equally to this work.
27. Chang, S. E., Kenney, M. K., Loucks, T. M.<sup>1</sup> & Ludlow, C. L. (2009). Brain activation abnormalities during speech and non-speech in stuttering speakers. *Neuroimage*, 46(1), 201-212. <sup>1</sup> Torrey Loucks and the second author contributed equally to this work.
28. Simonyan, K., Saad, Z.S., Loucks, T.M.J.<sup>1</sup>, Poletto, C.J. & Ludlow, C.L. (2007). Functional neuroanatomy of human voluntary cough and sniff production. *NeuroImage*, 37(2), 401-9. <sup>1</sup> Torrey Loucks and the second author contributed equally to this work
29. Loucks, T.M.J., Poletto, C.J., Simonyan, K., Reynolds, C. L. & Ludlow, C.L. (2007). Human Brain Activation during Vocalization and Exhalation: Common Volitional Control for two Upper Airway Functions. *NeuroImage*, 36(1):131-43
30. Loucks, T. M., De Nil, L. F. & Sasisekaran, J. (2007). Jaw-Phonatory Coordination in Chronic Developmental Stuttering. *Journal of Communication Disorders*, 40(3):257-72
31. Loucks, T. M. & De Nil, L. F. (2006). Abnormal Sensorimotor Integration in Adults Who Stutter: A Tendon Vibration Study. *Neuroscience Letters*, 402(1-2), 195-200
32. Loucks, T. M. & De Nil, L. F. (2006). Oral kinesthetic deficit in adults who stutter: A target accuracy study. *Journal of Motor Behavior*, 38(3), 238-46
33. Loucks, T. M., Poletto, C. J., Saxon, K. G. & Ludlow, C. L. (2005). Laryngeal Muscle Responses to Mechanical Displacement of the Thyroid Cartilage in Humans. *Journal of Applied Physiology*, 99(3), 922-30
34. Ludlow, C. L. & Loucks, T. M. (2003). Stuttering: A dynamic motor control disorder. *Journal of Fluency Disorders*, 28, 273-95. \*Ranked among the top 25 articles by ScienceDirect in the Journal of Fluency Disorders in 2005
35. Loucks, T. M. & De Nil, L. F. (2001). Assessing the physiological and behavioural evidence for the role of kinaesthesia in speech production. *Journal of Speech Language Pathology and Audiology*, 25(2), 149-66
36. Loucks, T. M., & De Nil, L. F. (2001). The effects of masseter tendon vibration on non-speech oral movements and vowel gestures. *Journal of Speech, Language and Hearing Research*, 44(2), 306-16
37. Loucks, T. M., Duff, D., Hawkins Wong, J. & Finley-Detweiler, R. (1998). The vocal athlete and endotracheal intubation: A clinical management protocol. *Journal of Voice*, 12(3), 349-59

### **Peer-reviewed Articles – In Revision or Submission**

1. Chon, H. C., Ambrose, N., & Loucks, T. M. (Submitted). The effect of altered auditory feedback on speech motor stability in adults who stutter and normally fluent adults. *Journal of Fluency Disorders*

### **Published Conference Proceedings** (\* stringent peer review)

1. \*Hermes, Z., Wong, N., Shosted, R. & Loucks, T. (2015). The primary articulation of plain-emphatic /s/-/s<sup>h</sup>/ in Lebanese Arabic: an EMA study. In The Scottish Consortium for ICPHS 2015 (ed.), Proceedings of the 18th International Congress of Phonetic Sciences. Glasgow, UK: University of Glasgow. Paper number 0681.1-5
2. \*Hermes, Z., Wong, N., Shosted, R. & Loucks, T. (2015). An electro-magnetic articulography study of the articulatory differences in the emphatic-plain voiceless alveolar fricatives /s/-/s<sup>h</sup>/ of Lebanese Arabic. 29th Annual symposium on Arabic Linguistics., University of Milwaukee
3. \*Loucks, T. M., Chon, H. C., Kraft, S., Zhang, J. & Ambrose, N. (2013). Individual differences in auditory-motor integration revealed by speech fluency manipulations. *Proceedings of Meetings on Acoustics, Acoustical Society of America, Vol. 19*, 060147, DOI: 10.1121/1.47988994
4. Chon, H. C., Steger, S., Zhang, J., Ambrose, N. & Loucks, T. M. (2013). Individual differences in auditory-motor integration revealed by speech fluency manipulations. *Journal of the Acoustical Society of America, 133*(5), 3518
5. Loucks, T. M., Shosted, R. K., Novak, M. & Black J. (2011). Auditory and Somatosensory Adaptation in Adults with Cochlear Implants. *Stem-, Spraak- En Taalpathologie*, Jaargang 17, Nijmegen University Press, 45
6. Rong, P. Y., Kim, H., Loucks, T. M. & Hasegawa-Johnson, M. (2011). Tongue-jaw coordination in spastic dysarthria. *Stem-, Spraak- En Taalpathologie*, Jaargang 17, Nijmegen University Press, 57
7. Chon, H. C., Ambrose, N., & Loucks, T. M. (2011). Differences in speech-motor stability between normally fluent people and people who stutter under delayed auditory feedback. *Stem-, Spraak- En Taalpathologie*, Jaargang 17, Nijmegen University Press, 75
8. \*Kim, H., Rong, P. Y., Loucks, T. M. & Hasegawa-Johnson, M. (2010). Kinematic Analysis of Tongue Movement Control in Spastic Dysarthria. *Interspeech 2010*, 2578-81
9. Loucks, T. M., Shosted, R. K., Novak, M. & Black J. (2011). Speech Production Skills in Adults with Cochlear Implants. *9<sup>th</sup> International Seminar on Speech Production*, 73-80
10. Shih, C, Loucks, T.M. & Shosted, R.K. (2010). Speech Variation, Graded Competency and Human Communication. NSF White Paper accepted for SBE 2020: Future Research in the Social, Behavioral and Economic Sciences White Paper
11. \*Loucks, T.M., Simonyan, K. & Ludlow, C.L. (2006). *Neural Control of Volitional Human Vocalization: Testing the Dual Pathway Hypothesis*. 5th International Conference on Speech Motor Control. Nijmegen, NL, p. 113
12. \*Loucks, T. M. & De Nil, L. F. (2001). Oral kinesthetic deficit in people who stutter: Effect and mechanism. *Speech Motor Control in Normal and Disordered Speech*, 4<sup>th</sup> Edition, International Speech Motor Conference, Nijmegen, NL, pp. 307-10

### Book Chapters

1. Ludlow, C. L., Loucks, T. M., Simonyan, K. & Lowell, S. (2007). Brain Imaging of Voice and Upper Airway Function. In Ingham, R. (Ed.), *Neuroimaging in Communication Sciences and Disorders*, Plural
2. Loucks, T. M. & Ning, L. S. (In Preparation). Chapter 5: Neuroanatomy. In Rousseau, B., *Anatomy and Physiology of Speech and Hearing*.

### Software Teaching Modules

1. Loucks, T. M. & Gooler, D. M. (2012). Audiology. Audiology Module for Primal Pictures Anatomy Database

- Loucks, T. M. (2013). Interactive Learning Activities for SLP. Review and Question Module for Primal Pictures Anatomy Database

### Letters to the Editor

Suzanne Nanney & Torrey M. Loucks (2015). Insurers: Pay Attention to Efficacy Research on Stuttering Treatment. ASHA Leader, April 2015

### NSF White Paper

Shih, C., Loucks, T. M. & Shosted, R. K. (2010). Speech Variation, Graded Competency and Human Communication. NSF White Paper accepted for SBE 2020: Future Research in the Social, Behavioral and Economic Sciences White Paper

### Award for Peer-reviewed Article

Loucks, T. M., & De Nil, L. F. (2000). The effects of masseter tendon vibration on non-speech oral movements and vowel gestures. The first author received a national award for this paper - Isabel Richard Student Paper Award.

### Funding Submissions – In Preparation

#### Funding – Research Support

- Aronoff, J. M. (PI), **Loucks, T. M.** & Novak, M. (2017-2018). Improving cochlear implant patient performance with bilateral maps, Advanced Bionics Internal Award - \$24,000
- Ambrose, N.G. (PI), Yairi, E., & **Loucks, T.M.** (2010-2014). Subtypes and Associated Risk Factors in Stuttering, National Institute of Communication Disorders and Deafness, \$750,000
- Loucks, T. M. (PI)**, Shih, C. L. & Shosted., R. (2014-15). Gesture in Accented Language. Social Behavioral Reading Competition, \$2,500
- 2010-2012 - Title VI Application - Technology, Culture, and Social Change: Linking Research to Pedagogy, Department of Education, \$18,000
- 2010-2012 - Barbey, A. K. (PI), Bowman, G., Cohen, N., Grafman, J., Head, E., Jokela, J., Keck, A., Kramer, A., Llano, D., **Loucks, T.M.**, Robinson, G., Sutton, B., and Wang, J. Nutritional Intake, Cognitive Function, and Measures of Brain Aging, Center for Nutrition, Learning, and Memory, \$845,301
- 2010-2012 - Sutton, B. (PI), **Loucks, T. M.** & Sosnoff, J. (2010). Age-related demyelination in motor pathways predicts reduction in fine motor control, American Federation of Aging Research, \$75,000
- 2010-2012 - Demyelination in motor pathways of the central nervous system predicts motor control reductions in healthy aging. **Loucks, T. M. (PI)**, Sosnoff, J. J. & Sutton, B. P. – Role: Principal Investigator. Center on Health, Aging, and Disability Research Pilot Grant Program, \$15,000.
- 2010-2011 - **Loucks, T. M. (PI)** & Shosted, R. K. (2010). Improving Speech Production skills in Adults with Cochlear Implants: Articulation Control Mechanisms and Intervention. Campus Research Board of University of Illinois, \$28,195
- 2010-2011 - **Loucks, T.M. (PI)**, Shosted, R.K., Shih, C. & Hasegawa-Johnson, M. (2010). Speech Production Research Education Initiative. Focal Point Proposal, Graduate College University of Illinois at Urbana-Champaign, \$15,000

10. 2009-2010 - Sensorimotor Dedifferentiation as a Marker of Aging: Behavioral and Neurological Evidence. **Loucks, T. M. (PI)**, Sosnoff, J.J. & Sharma, H. Role: PI. Grant period: Mary Jane Neer Research Fund, \$15,000.
11. 2008-2009 - Collaborative Research: Translating Prosody in an English/Chinese Language Tutoring System. Chilin Shih (PI) & **Loucks, T. M.** National Science Foundation Grant, \$450,000
12. 2008-2009 - Identifying Cerebral Biomarkers for Persistency or Recovery from Stuttering using Structural and Functional Neuroimaging. **Loucks, T. M. (PI)** & Ambrose, N. G. Research Grant for New Investigators, ASH Foundation, \$5,000
13. 2007-2008 - Identifying Cerebral Biomarkers for Persistency or Recovery from Stuttering in Children using Structural and Functional Neuroimaging. **Loucks, T. M. (PI)** & Ambrose, N. G. Campus Research Board of University of Illinois, \$16,000

### Invited Talks

1. Loucks, T. M. (2013). *Updated Perspectives on the Neural Bases of Stuttering: Sensory & Motor Mechanisms Underlying Dysfluent Speech*. Annual Convention of the American Speech, Language and Hearing Association, Chicago, IL
2. Loucks, T. M. (2013). *Individual differences in auditory-motor integration revealed by speech fluency manipulations*. International Conference on Acoustics, Montreal, QB
3. Loucks, T. M. (2013). *From Ear to Brain to Mouth*. Oral presentation to the I-Hear research seminar series, Champaign, IL
4. Ambrose, N.G., Yairi, E. & Loucks, T.M. (2012). *Subtypes and risk factors in stuttering*. 7<sup>th</sup> World Congress on Fluency Disorders, Tours, France
5. Loucks, T. M. (2012). *Using Primal Pictures to Teach Speech Anatomy for Students in Communication Disorders*. Platform presentation for the Vendor Education Seminars - 2012 Annual Convention of the American Speech, Language and Hearing Association, Atlanta, GA
6. Loucks, T.M. (October, 2011) – *Automatic Processes underlying Fluency and Speech Coordination: Individual Differences, Disorders and Compensation* - Invited speaker at Indiana University
7. Loucks, T.M. (September, 2011) – *Automatic Mechanisms for Sensorimotor Control of Speech Production and Fluency* - Invited speaker at Michigan State University
8. Loucks, T. M. (October, 2010). *Audiomotor integration for speech and fine oral motor control: Yada Yada Yada*. Pro-Seminar, Department of Communication Sciences and Disorders, University of Iowa (9/24/2010)
9. Loucks, T. M. & De Nil, L. F. (2001). *Oral sensorimotor control deficit in people who stutter: Evidence from behavioral and neuroimaging studies*. International Association of Logopedics and Phoniatrics, Montreal, QB

### Oral Presentations

1. Meneses, F., Pozzani, D., Wong, N., Hermes, Z., Loucks, T. M. & Shosted, R. (accepted). *Gesture and velocity in Brazilian Portuguese devoiced vowels: a preliminary EMA study*. Laboratory Phonology 15, Ithaca, NY. July 13-16, 2016
2. Shosted, R., Pozzani, D., Meneses, F., Wong, N., Hermes, Z. & Loucks, T. M. (Accepted). *The articulatory space of oral and nasal vowels in Brazilian Portuguese*. Laboratory Phonology 15, Ithaca, NY. July 13-16, 2016
3. Loucks, T. M., Samuels, M., Suneel, D. & Aronoff, J. (2016, May 13). *Perceived pitch shifts elicit vocal corrections in cochlear implant patients*. Midwest Speech and Language Days 2016. University of Indiana, Bloomington, IL

4. Tendra, A., Rispoli, M. R., & Loucks, T. M. (2016). *Speech rate of active declarative sentences in normally developing children between 24 and 36 months*. ISHA Annual Convention, Rosemont, IL
5. Hermes, Z., Wong, N., Loucks, T. M. & Shosted, R. (2015). *An electromagnetic articulography study of the articulatory differences in the emphatic-plain voiceless alveolar fricatives /sʰ/-/s/ of Lebanese Arabic*. Annual Symposium on Arabic Linguistics. Milwaukee, Wisconsin
6. Meneses, F., Pozzani, D., Wong, N., Hermes, Z., Loucks, T. M. & Shosted, R. (2015). *Gesture and velocity in voiced and devoiced vowels: EMA evidence from Brazilian Portuguese*. Encontro Internacional de Ciências da Fala. Belo Horizonte, Brazil
7. Shosted, R., Meneses, F., Pozzani, D., Wong, N., Hermes, Z. & Loucks, T. M. (2015). *Articulatory characterization of oral/nasal vowel contrast in Brazilian Portuguese (São Paulo state): Evidence from EMA*. Encontro Internacional de Ciências da Fala. Belo Horizonte, Brazil
8. Loucks, T. M. (2015). *Auditory feedback and speech errors*. Cognitive Brown Bag. Department of Psychology, University of Illinois, Urbana, IL
9. Loucks, T. M., Tendra, A. & Nasir, S. (2015). *The FLUSTER Model: A Framework for Organizing and Advancing Knowledge of Stuttering*. 2015 Annual Convention of the American Speech, Language and Hearing Association, Denver, CO
10. Loucks, T. M., Suneel, D. & Aronoff, J. (2015). *Perceived pitch shifts elicit vocal corrections in cochlear implant patients*. Conference on Implantable Auditory Prosthesis 2015. Lake Tahoe, CA
11. Loucks, T. M., Tendra, A. & Nasir, S. (2015). *The FLUSTER Model: A Framework for Organizing and Advancing Knowledge of Stuttering*. Midwest Speech and Language Days 2015. Toyota Technical Institute, Chicago, IL
12. Loucks, T. M. (2015). *The FLUSTER Model: A Framework for Organizing and Advancing Knowledge of Stuttering*. SHS Departmental Pro-Seminar Series
13. Hermes, Z., Wong, N., Loucks, T. M. & Shosted, R. (2015). *An EMA study of the articulatory difference in emphatic-plain alveolar fricatives of Lebanese Arabic*. 29th Annual Symposium on Arabic Linguistics (ALS29), Milwaukee, WI
14. Ning, L.H., Shih, C. & Loucks, T. M. (2014). *Language-dependent internal models for tones: Evidence from sensorimotor responses*. 22<sup>nd</sup> Annual Conference of the IACL & the 26<sup>th</sup> North American Conference on Chinese Linguistics. University of Maryland, MD
15. Ning, L.H., Shih, C. & Loucks, T. M. (2014). *Mandarin Tone Learning: the Effect of Sensorimotor Feedback*. The 2014 International Conference on Applied Linguistics & Language Teaching. Taipei, Taiwan
16. Chambers, R., Gooler, D. & Loucks, T. M. (2013). *Aberrant P50 Gating Response in Adults who Stutter*. American Speech-Language-Hearing Association Annual Convention, Chicago, IL
17. Loucks, T. M., Shosted, R. K., Novak, M., Black, J. & Goetz, M. (2012). *Speech Production Skills in Adults with Cochlear Implants*, 2012 Annual Convention of the American Speech, Language and Hearing Association, Atlanta, GA
18. Ning, L., Loucks, T. M. & Shih, C. (2013). *Linguistically Specific Sensorimotor Responses in Second Language Learning*. 2013 Midwest Speech and Language Days, Chicago, IL
19. Loucks, T. M., Chon, H. C., Kraft, S. J., Choo, A. & Ambrose, N.G. (2012). *Atypical sensorimotor function in adults who stutter: A series of studies showing bidirectional influences of auditory feedback on speech motor control*. 7<sup>th</sup> World Congress on Fluency Disorders, Tours, France

20. Ning, L.H. & Loucks, T.M. (2012). *Potential Roles for Audiomotor Integration and Tone Discrimination in Learning Mandarin Phonetic Contrasts*. Illinois Speech Day, Toyota Technological Institute TTI, Chicago, IL
21. Loucks, T.M. (2012). *Automatic Processes underlying Fluency and Speech Coordination: Individual Differences, Disorders and Compensation*. Linguistics Seminar Colloquium, Champaign, IL
22. Loucks, T. M. (2012). *Automatic Processes underlying Coordination and Fluency: Feedback, Compensation and Movement*. Speech@Illinois Research Seminar Series
23. Choo, A, Loucks, T.M., Chang, S.E., Zengin, H., Ambrose, N.G. (2011). *Corpus callosum development in stuttering*. 2011 Annual Convention of the American Speech, Language and Hearing Association. San Diego, CA
24. Choo, A, Loucks, T.M., Ambrose, N.G., Zengin, H., Olivero, W., Kraft, S.J. & Sharma, H. (2011). *Interhemispheric Connection: The Corpus Callosum in Stuttering*. 2011 Speech Production Workshop, Beckman Institute, University of Illinois, Urbana, IL
25. Rong, P. Y., Kim, H., Loucks, T. M. & Hasegawa-Johnson, M. (2011). *Tongue-jaw coordination in spastic dysarthria*. 2011 Speech Production Workshop, Beckman Institute, University of Illinois, Urbana, IL
26. Kim, H., Rong, P. Y., Loucks, T. M. & Hasegawa-Johnson, M. (2010). *Kinematic Analysis of Tongue Movement Control in Spastic Dysarthria*. Interspeech 2010, Japan
27. Ward, A., Ofori, E., Sosnoff, J. J. & Loucks, T. M. (2010). *A direct comparison of audiomotor and visuomotor memory*. Summer Research Opportunities Presentation Day, Urbana, IL. A. Ward received the best presentation award. Mentor: T. M. Loucks
28. Loucks, T. M. (2010). *Effects of normal aging on manual and oral sensorimotor integration: Central and peripheral changes*. 'Friday on the Brain' Series - Beckman Institute for Advanced Studies, University of Illinois
29. Loucks, T. M., Ofori, E. & Sosnoff, J. J. (2010). *Sensory Mechanisms for Fine Force Control*. Integrative Neural Systems Underlying Vital Aerodigestive Tract Functions Conference, Madison, WI
30. Loucks, T. M. (2009). *Effects of Delayed Auditory Feedback on Speech Production: A Large Scale Study of Individual Variability*. Brain and Cognition Brown Bag. Beckman Institute for Advanced Studies, University of Illinois
31. Loucks, T. M. (2009). *Neurological Basis of Language*. Lecture to 1<sup>st</sup> Year Medical School Students, University of Illinois
32. Loucks, T. M. (2008). *Learning to coordinate voicing with articulation: A case for sensory cues*. SHS Pro-Seminar Talk. Department of Speech and Hearing Science, University of Illinois
33. Loucks, T. M., De Nil, L. F., Poletto, C. J. & King, A. (2008). *Learning to coordinate voice with articulation: A role for sensory cues?* American Speech-Language-Hearing Association Annual Convention, Chicago, IL
34. Chang, S. E., Loucks, T. M., Kenney, M. K. & Ludlow, C. L. (2008). *Functional Neuroanatomy Differences for Speech and Non-Speech Processing in Stuttering*. American Speech-Language-Hearing Association Annual Convention, Chicago, IL
35. Chon, H. C., Steger, S., Ambrose, N., Gooler, D. & Loucks, T. M. (2008). *Individual Variability in Delayed Auditory Feedback Effects on Speech Fluency*. American Speech-Language-Hearing Association Annual Convention, Chicago, IL
36. Loucks, T. M. (2007). *Biomarkers of Developmental Stuttering: Perspective and Research Program*. Program in Neuroscience Lecture Series, University of Illinois
37. Loucks, T. M., Simonyan, K. & Ludlow, C. L. (2006). *Neural Control of Volitional Human Vocalization: Testing the Dual Pathway Hypothesis*. 5th International Conference on Speech Motor Control. Nijmegen, Netherlands



38. Loucks, T. M. & Ludlow, C. L. (2006). *Kinematic learning of a novel speech task*. Conference on Speech Motor Control. Austin TX
39. Loucks, T. M. & Ludlow, C. L. (2005). *Functional Brain Mapping of Voice Control*. Motor Control Research Group – MERGe - National Institute of Neurological Disorders and Stroke, Bethesda, MD
41. Loucks, T. M. & Ludlow, C. L. (2005). *Central Nervous System Control of Human Vocalization*. INIG - Integrated Neuroscience Interest Group. National Institutes of Health, Bethesda, MD
42. Ludlow, C. L. & Loucks, T. M. (2004). *Speaking on Election Day: Sensorimotor Integration during Voice Production*. Grand Rounds - National Institute of Neurological Disorders and Stroke, Bethesda, Maryland
44. Loucks, T. M. & De Nil, L. F. (2001). *Oral kinesthetic deficit in people who stutter: Effect and mechanism*. 4<sup>th</sup> International Speech Motor Conference, Speech Motor Control in Normal and Disordered Speech, Nijmegen, NL
45. Loucks, T. M. & De Nil, L. F. (2000). *Oral kinesthetic deficit in people who stutter: Effect and mechanism*. TWRI Research Day, Toronto Western Research Institute (The first author was chosen as one of six finalists from 45 submissions to do an oral presentation.)
46. Loucks, T. M. & De Nil, L. F. (2000). *Tendon vibration effects on oral motor control in stutterers*, Tri-Joint Congress, Toronto, ON
47. Loucks, T. M. & De Nil, L. F. (1999). *Oral Target Accuracy and Reaction Time of People who Stutter*. American Speech and Hearing Conference, San Antonio, TX
48. Loucks, T. M., Duff, D., Hawkins Wong, J., & Finley-Detweiler, R. (1997). *The vocal athlete and endotracheal intubation: A clinical management protocol*. International Voice Symposium: Care of the professional voice, Philadelphia, PA

## Poster Presentations

1. Tendra, A., Rispoli, M. R., & Loucks, T. M. (Accepted). *Speech rate of active declarative sentences in normally developing children between 24 and 36 months*. American Speech-Language-Hearing Association Annual Convention
2. Aronoff, J. M., Samuels, M., Suneel, D. & Loucks, T. M. (2016, May 13). *Using vocal production to measure cochlear implant patients' perception*. International Conference on Cochlear Implants, Toronto, ON
3. Tendra, A., Rispoli, M. R., & Loucks, T. M. (2016, May 13). *Speech rate of active declarative sentences in normally developing children between 24 and 36 months*. Midwest Speech and Language Days 2015. University of Indiana, Bloomington, IL
4. Aronoff, J. M., Samuels, M., Suneel, D., Loucks, T. M. (2016). Using vocal production to measure cochlear implant patients' perception. *Poster presented at the International Conference on Cochlear Implants*, Toronto, Canada
5. Aronoff, J. M., Samuels, M., Suneel, D. & Loucks, T. M. (2016). *Using vocal production to measure cochlear implant patients' perception*. CHAD Chittenden Symposium, University of Illinois, Urbana, IL
6. Maloney, B., Greig, B., Tendra, A., Rispoli, M. R., & Loucks, T. M. (2016). *A longitudinal comparison of speech rate of spontaneous utterances vs. repeated utterances in preschool children*. Undergraduate Research Symposium, University of Illinois, Urbana, IL
7. Teehan, M., Jeon C., Ogle, K., Ayala, E. & Loucks, T. M. (2016). *Effect of auditory feedback on speech errors – Evidence from tongue twisters*. Undergraduate Research Symposium, University of Illinois, Urbana, IL

8. Jeon C., Teehan, M., Ogle, K., Ayala, E. & Loucks, T. M. (2016). *Tongue twister error variation – Place of articulation and individual variability*. Undergraduate Research Symposium, University of Illinois, Urbana, IL
9. Johnson, S. E., Shosted, R. K., Loucks, T. M., Shih, C. & Wong, N. W. (2016, April). *Does the larynx constrain supralaryngeal mechanisms? Dynamic EMA evidence from Mandarin Chinese*. Poster session presented at the Annual Illinois Language and Linguistics Society Conference, Urbana, IL
10. Pelczarski, K., Tendra, A., Dye, M. & Loucks, T. M. (2015). Testing a Phonological Encoding Error Hypothesis in Stuttering: Evidence from Eye Tracking. 2015 Annual Convention of the American Speech, Language and Hearing Association, Denver, CO
11. Stuehm, R., Loucks, T. M. & Dye, M. D. (2015). *Production stability of aspectual verb morphology in ASL*. 2<sup>nd</sup> International Conference on Sign Language Acquisition. Amsterdam, NE
12. Ning, L.H., Shih, C., Loucks, T. M. (2015). *Visual Feedback Facilitates Suppression of the Pitch-Shift Response*. Midwest Speech and Language Days 2015. Toyota Technical Institute, Chicago, IL
13. Ning, L.H., Shih, C., Loucks, T. M. (2015). *Mandarin Tone Learning: the Effect of Sensorimotor Feedback*. Illinois Language & Literacy Initiative (ILLI), Beckman Institute, University of Illinois, Urbana, IL
14. Hilger, A., Loucks, T. M., Dye, M. W. & Quintos-Pozos, D. (2015). *Characterizing Fluency in American Sign Language using the Spatiotemporal Index*. Illinois Language & Literacy Initiative (ILLI), Beckman Institute, University of Illinois, Urbana, IL
15. Stuehm, R., Loucks, T. M. & Dye, M. D. (2015). *Kinematics of Verb Morphology in Adult Learners of ASL*. ISHA Annual Convention 2015, Rosemont, IL
16. Ning, L.H., Shih, C., Loucks, T. M. (2014). *The role of auditory feedback in second language tone learning*. Interdisciplinary Symposium on Bilingualism, University of Illinois, Urbana, IL
17. Hunter, A., Wright, J. J., Jenkins, e., Jeon, C., Lee, K. & Loucks, T. M. (2014). *Adaptation Effects Under Altered Auditory Feedback*. Undergraduate Research Symposium, University of Illinois, Urbana, IL
18. Wright, J. J., Loucks, T. M., Maffet, D. & Max, L. (2014). *Adaptation Effects Under Altered Auditory Feedback*. Illinois Speech Language Hearing Association Annual Convention, Rosemont, IL
19. Loucks, T. M., Max, L., Maffet, D. & Wright, J. J. (2013). *Adaptation Effects Under Altered Auditory Feedback*. American Speech-Language-Hearing Association Annual Convention, Chicago, IL
20. Hilger, A., Loucks, T. M., Dye, M. W. & Quintos-Pozos, D. (2013). *Characterizing Fluency in American Sign Language using the Spatiotemporal Index*. Theoretical Issues in Sign language Research Conference, London, UK
21. Hilger, A., Loucks, T. M., Dye, M. W. & Quintos-Pozos, D. (2013). *Characterizing Fluency in American Sign Language using the Spatiotemporal Index*. Undergraduate Research Symposium, University of Illinois, Urbana, IL
22. Bronson-Lowe, C., Loucks, T. M., Ofori, E. & Sosnoff, J. J. (2013). *Aging Effects on Variability of Force Output in the Lip*. Annual Dysphagia Research Symposium, Seattle, WA
23. Kraft, S. J., Chon, H. C., Tibbs, B., Jingfei Zhang, Ambrose, N. G. & Loucks, T. M. (2011). *Ignoring Conflicting Voices: Divided Attention and DAF Effects on Fluency*. Annual Convention of the American Speech, Language and Hearing Association. San Diego, CA
24. Sutton, B. P., Holtrop, J., Loucks, T. M. (2011). *Age-related demyelination in motor pathways predicts reductions in fine motor control*. American Federation for Aging Research (AFAR) Grantee Conference. Santa Barbara, CA

25. Loucks, T. M., Shosted, R. K., Novak, M. & Black J. (2011). *Auditory and Somatosensory Adaptation in Adults with Cochlear Implants*. 6th International Conference on Speech Motor Control. Groningen, NE
26. Rong, P. Y., Kim, H., Loucks, T. M. & Hasegawa-Johnson, M. (2011). *Tongue-jaw coordination in spastic dysarthria*. 6th International Conference on Speech Motor Control. Groningen, NE
27. Chon, H. C., Ambrose, N., & Loucks, T. M. (2011). *Differences in speech-motor stability between normally fluent people and people who stutter under delayed auditory feedback*. 6th International Conference on Speech Motor Control. Groningen, NE
28. Loucks, T. M., Shosted, R. K., Novak, M. & Black J. (2011). *Speech Production Skills in Adults with Cochlear Implants*. International Seminar on Speech Production. Montreal, QB
29. Ofori, E., Loucks, T.M., Knapik, D.P., Carlton, L.G. & Sosnoff, J.J. (2011). *Differences in Auditory and Visual Feedback Variability in Oral & Manual Force Control*. 2011 Speech Production Workshop, Beckman Institute, University of Illinois, Urbana, IL
30. Kraft, S.J., Chon, H.C., Zhang, J.F., Tibbs, B. Ambrose, N.G. & Loucks, T.M. (2011). *Part II: Association between DAF & Dual Task Effects*. 2011 Speech Production Workshop, Beckman Institute, University of Illinois, Urbana, IL
31. Chon, H.C., Kraft, S.J., Ambrose, N.G., Gooler, D. & Loucks, T. (2011). *Individual Variability in DAF Effects on Speech Fluency and Rate: Part I*. 2011 Speech Production Workshop, Beckman Institute, University of Illinois, Urbana, IL
32. Loucks, T. M., Ofori, E., Grindrod, C.M., De Nil, L. F. & Sosnoff, J. J., *Auditory Motor Integration in Oral and Manual Effectors*. 2010 Conference of the North American Society for the Psychology of Sport and Physical Activity, Tucson, AZ
33. Ofori, E., Loucks, T.M., Knapik, D.P., Carlton, L.G., Sosnoff, J.J., *Auditory and Visual Feedback in Oral-Manual Force Control*. 2010 Conference of the North American Society for the Psychology of Sport and Physical Activity, Tucson, AZ
34. Chon, H.C., Han, Han, W. J., Ambrose, N.G. & Loucks, T.M.J. (2009). *Auditory-Vocal Integration in Adults who Stutter*. American Speech-Language-Hearing Association Annual Convention, New Orleans, LA
35. Sosnoff, J.J., Ofori, E., Knapik, D., Grindrod, C.M., De Nil, L.F., Ambrose, N.G., Carlton, L.G., & Loucks, T.M.J. (2009). *Auditory Motor Memory*. Annual Conference of the Society for Neuroscience, Chicago, IL
36. Grindrod, C.M., Loucks, T.M.J. & Sosnoff, J.J. (2009). *Intra-individual response time variability during on-line sentence comprehension in left- and right-brain-damaged patients*. Annual Conference of the Society for Neuroscience, Chicago, IL
37. Choo, A.L., Kraft, S.J., Ambrose, N.G., Sharma, H., Zengin, H. & Loucks, T. (2009). *Brain activity during speech: Searching for markers of stuttering persistency*. Annual Conference of the Society for Neuroscience, Chicago, IL (Nominated as Media Hot Topic)
38. Grindrod, C.M., Loucks, T.M.J. & Sosnoff, J.J. (2009). *Intra-individual response time variability during on-line sentence comprehension in left- and right-brain-damaged patients*. First Neurobiology of Language Conference, Chicago, IL
39. Choo, A.L., Kraft, S.J., Ambrose, N.G., Sharma, H., Zengin, H. & Loucks, T. (2009). *Brain activity during speech: Searching for markers of stuttering persistency*. First Neurobiology of Language Conference, Chicago, IL
40. Choo, A.L., Kraft, S.J., Ambrose, N.G., Sharma, H., Zengin, H. & Loucks, T. (2009). *Brain activity during speech: Searching for markers of stuttering persistency*. Beckman Institute for Advanced Science and Technology 20<sup>th</sup> Anniversary Symposium, University of Illinois, Urbana, IL

41. Loucks, T., Kraft, S.J., Choo, A.L., Sharma, H., & Ambrose, N.G. (2009). *Brain activity during speech: Searching for markers of stuttering persistency*. Sixth IFA World Congress 2009, Rio de Janeiro, Brazil
42. Chon, H.C., Kraft, S.J., Ambrose, N.G., Gooler, D. & Loucks, T. (2009). *Individual Variability in DAF Effects on Speech Fluency and Rate*. Sixth IFA World Congress 2009, Rio de Janeiro, Brazil
43. Wu, C.H., Shih, C., Loucks, T.M. & Hasegawa-Johnson, M. (2009). *A paradox in Mandarin vowel inventory: Acoustic and articulatory discrepancies*. Beckman Institute for Advanced Science and Technology Open House. University of Illinois, Urbana, IL
44. McCoul, D., Chung, B., Chang, S.E., Loucks, T.M.J. & Ludlow, C.L. (2007). *Kinematic Learning in Adults who Stutter*. National Institutes of Health Summer Student Research Day. Bethesda, MD
45. Loucks, T., Kenney, M.K., Chang, S.E., Poletto, C. & Ludlow, C. (2007). *From preparation to production: The functional organization of speech and non-speech utterances*. Human Brain Mapping Conference 2007, Chicago, IL
46. Chang, S.E., Kenney, M.K., Loucks, T., Poletto, C. & Ludlow, C. (2007). *Shared sensorimotor networks for speech and nonspeech perception and production*. Human Brain Mapping Conference 2007, Chicago, IL
47. Chang, S.E., Kenney, M.K., Loucks, T., Poletto, C., Ludlow, C. (2007). *Deficient auditory-motor interactions in stuttering: Preliminary fMRI findings*. NINDS Fellows Retreat, Airlie Conference Center, VA
48. Baker, A., Loucks, T.M.J., Kenney, M.K.K., Poletto, C.J., Chang, S.E., Palein, A., Saxon, K. & Ludlow, C.L. (2006). *Kinematic Learning of Novel Speech Tasks*. National Institutes of Health Summer Student Research Day. Bethesda, MD
49. Reynolds, C. L., Loucks, T.M.J., Poletto, C.J., Simonyan, K., & Ludlow, C.L. (2005). *A comparison of human brain activation during vocalization and exhalation: an event-related fMRI study*. National Institutes of Health Summer Student Research Day. Bethesda, MD
50. Loucks, T.M.J., Poletto, C.J., Simonyan, K. & Ludlow, C.L. (2005). *A comparison of the neural correlates of vocalization and exhalation: An event-related fMRI study*. Human Brain Mapping Conference 2005, Toronto, Ontario
51. Palein, A., Loucks, T.M.J., Kenney, M.K., Poletto, C.J. & Ludlow, C.L. (2004). *Time-course of kinematic learning for novel speech tasks*. National Institutes of Health Summer Student Research Day. Bethesda, MD
52. Loucks, T.M.J., Poletto, C.J., Saxon, K.G. & Ludlow, C.L. (2004). *Does rapid mechanical displacement of the thyroid cartilage elicit stretch responses in laryngeal muscles?* 12th Biennial Conference on Speech Motor Control, Albuquerque, NM
53. Loucks, T. M. & De Nil, L. F. (2000). *Tendon vibration effects on oral motor control in stutterers*. Tenth Biennial Conference on Speech Motor Control, Tucson, AZ
54. Loucks, T. M. & De Nil, L. F. (1998). *A comparison of target accuracy for oral and non-oral movements between people who stutter and normal speakers*. Southern Ontario Sensorimotor Conference, Queen's University, Kingston, ON
55. De Nil, L. F., Loucks, T. M. & Lafaille, S. (1998). *Differences between stuttering and nonstuttering adults in oral and nonoral movement accuracy*. Ninth Biennial Conference on Speech Motor Control, Tucson, AZ
56. Loucks, T. M. & De Nil, L. F. (1997). *Oral sensorimotor control in stutterers: A comparison of jaw movement accuracy and reaction time between stutterers and normal speakers*. Annual Neuroscience Day, Program in Neuroscience, University of Toronto, Toronto, ON (First author ranked ninth among thirty posters)

## Record of Grants, Awards, Scholarships and Fellowships

<u>Name</u>	<u>Value</u>	<u>Type</u>	<u>Location of Tenure</u>	<u>Period</u>
Fellowship awarded to Mentee	\$2,500	Institutional	University of Illinois	2016
Gesture & Accent in Language	\$2,500	Institutional	University of Illinois	2013-2014
NIH R01 Renewal	\$350,000	Federal	University of Illinois	2011-2013
Title VI Subaward	\$18,000	Federal	University of Illinois	2011-2013
Research Board Grant	\$29,000	Institutional	University of Illinois	2010-2011
American Federation of Aging Research	\$80,000	National	University of Illinois	2010-2011
Integrative Neural Systems Conf.	\$600	Institutional	Univ. of WI Madison	2010
CHAD Pilot Grant Award	\$15,000	Institutional	University of Illinois	2009-2010
NSF Grant	\$300,00	Federal	University of Illinois	2007-2009
Mary Jane Neer Award	\$14,975	Institutional	University of Illinois	2010-2011
ASHA Convention Award	Conference fees awarded	National	University of Illinois	2008
New Investigators Award	\$5,000	National	University of Illinois	2007-2008
Research Board Grant	\$16,000	Institutional	University of Illinois	2007-2008
Post-doctoral Fellowship	\$40,000/yr	International	National Institutes of Health	2002-2007
Doctoral Completion Grant	\$1,500	Institutional	University of Toronto	2001-2002
Toronto Rehabilitation Institute Award	\$17,000	Provincial	University of Toronto	2000-2001
Isabel Richard Student Paper Award	Recognition	National	University of Toronto	2000
Graduate Student Award	\$2,500	Institutional	University of Toronto	2000
Donalda Jean McGeachy Memorial Scholarship	\$3,500	Institutional	University of Toronto	2000
Ontario Graduate Scholarship for Science and Technology	\$15,000	Provincial	University of Toronto	1999-2000
Departmental Top-up Award	\$ 2,000	Departmental	University of Toronto	1999-2000
University Open Scholarship	\$10,800	Institutional	University of Toronto	1998-99
Quebec-Ontario Research Exchange Grant	\$5,000	Provincial	University of Toronto	1998
Donalda Jean McGeachy Memorial Scholarship	\$18,000/yr	Institutional	University of Toronto	1996-98 (two years)
Ontario Graduate Scholarship	\$12,000	Provincial	Un. of Western Ontario	1994-5
Special University Scholarship	\$ 1,000	Institutional	Un. of Western Ontario	1993
Entrance Scholarship	\$ 1,000	Institutional	Un. of Western Ontario	1993
Northern Scientific Training Grant	\$ 2,500	National	Un. of Western Ontario	1991
Leonard Foundation Award	\$ 1,200	International	University of Regina	1986
Saskatchewan Scholar	\$ 200	Provincial	University of Regina	1986

## Teaching Experience

01/07-Ongoing – Instructor of following courses in the department of Speech and Hearing Science, University of Illinois at Urbana/Champaign

- SHS 470: Neural Bases of Speech and Hearing (9 semesters / annual)  
 SHS 410: Stuttering and Related Disorders (7 semesters / annual)  
 SHS 300: Anatomy and Physiology of the Speech Mechanism (9 semesters / annual)  
 SHS 301: General Speech Science (3 semesters / annual)  
 Guest lectures: Medical School Yr 1 Neuroanatomy Class, SHS 170 (3 lectures),  
 Linguistics 501
- 09/99–12/99 - Teaching Assistant - Clinical Phonetics. Department of Speech-Language Pathology, University of Toronto, Toronto, ON
- 02/96-04/96 - Research Assistant – Child Language Development Study. Department of Speech-Language Pathology, University of Toronto, Toronto, ON
- 09/94-12/94 - Teaching Assistant - Amplification Systems (I). Department of Communicative Disorders, University of Western Ontario, London, ON
- 09/93-12/93 - Teaching Assistant - Hearing Science. Department of Communicative Disorders, University of Western Ontario, London, ON
- 09/93-04/94 Clinic clerk – Audiology Clinic. Department of Communicative Disorders, University of Western Ontario, London, ON
- Summer 1992 Research Assistant – Pedology Laboratory, Department of Geography, University of Western Ontario, London, ON

### **Supervision Experience**

- 2014 – Ongoing - Supervisor of Speech and Hearing Science PhD Student – Anna Tendra
- 2011 – 2014 - Research Advisor of a Linguistics PhD student – Li-Hsin Ning
- 2007 – 2011 - Supervisor of a PhD student working on a cross-sectional study of kinematic coordination in adults and children who stutter
- 2007 - Ongoing – Member of 12 PhD supervision committees.
- 2009 – 2016 – Mentor of 12 James Scholar students who conduct undergraduate research fellowships
- Summer 2016 – Supervisor of a Junior level undergraduate who received a prestigious Summer Undergraduate Research Fellowship – Bridget Maloney
- Summer 2015 – Supervisor of a Swedish exchange student who assisted on an eye tracking project
- Summer 2011 – Mentor of an exchange student working on a longitudinal project of stuttering.
- Summer 2010 – Mentor of a student in the Summer Research Opportunities Program (Amanda Ward). The student, Amanda Ward received an award for the best student presentation
- Summer 2006 - Mentor of a student who conducted a speech motor learning study of novel phonological words.
- Summer 2005 – Mentor of a student who conducted a functional magnetic resonance imaging study of vocalization.
- Summer 2004 - Mentor of a student who conducted a speech motor learning study of novel phonological words.
- 2002 - Supervised a master’s degree student who assisted with data collection and analysis.
- 2001 – Supervised a computer science student in the development of programs for speech movement studies.

### **Past and Present Professional Affiliations**

- Reviewer – Journal of Second Language Research; Brain and Language; Journal of Speech, Language and Hearing Research; Journal of Fluency Disorders; Journal of Speech,

Language and Hearing Services in Schools; Journal of Communication Disorders;  
International Journal of Language and Communication Disorders; Folia Phoniatica;  
Journal of Motor Behavior

Member – American Speech-Language-Hearing Association  
Affiliate faculty, Beckman Institute for Advanced Science & Technology  
Faculty member, University of Illinois Neuroscience Program  
Canadian Association of Speech Language Pathology and Audiology  
Program in Neuroscience, University of Toronto  
National Students' Speech Hearing Language Association  
American Society of Acoustics

### **Committee Membership**

2014 – 2016 – College Executive Committee  
2015 – 2016 – Departmental Pro-Seminar Coordinator  
2013 – 2016 – Faculty Advisory Committee  
2014 – 2016 – AuD Task Force  
2013 – 2015 – Admissions Committee (Chair)  
2012 – 2013 - Faculty Advisory Committee  
2012 – 2013 – Departmental Task Force – Doctoral Program Revision  
2010 – 2012 – Admissions Committee  
2010 – 2012 – College Elections and Credentials Committee  
2010 – 2011 – College Committee on Infrastructure  
2008 - 2010 – Educational Policy Committee  
2008 – 2009 – MRI Selection Committee

### **Review Panels**

Reviewer of Project Grant, Wellcome Trust, London, UK (May 2009)  
Research Fund Secretariat, Food and Health Bureau, Hong Kong SAR, China (December, 2011)  
New Zealand National Research Organization (2013)  
National Science Foundation (2015)