

CURRICULUM VITAE

Torrey M. J. Loucks, Ph.D.
 Assistant Professor,
 Department of Speech & Hearing Science
 University of Illinois at Urbana/Champaign

Contact Information:

Department of Speech & Hearing Science, 901 S. Sixth St., Champaign, IL, 61820

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

Co-Director: Speech Dynamics Lab, Beckman Institute, 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) Illinois International Stuttering Research Program

Peer-reviewed Publications

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

Chon, H. C., Steger, S., Ambrose, N. & Loucks, T. M. J. (Accepted for Publication). Individual Variability in Delayed Auditory Feedback Effects on Speech Fluency. Journal of Speech

Language and Hearing Research

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.

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

Loucks, T. M. & De Nil, L. F. (2012). Oral Sensorimotor Integration in Adults who Stutter. Folia Phoniatica et Logopedica, 64(3), 116-121

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

- 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
- 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
- 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
- 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
- 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
- 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
- Chang, S.E., Kenney, M.K., Loucks, T.M.¹, Poletto, C.J. & Ludlow, C.L. (2009). Common neural substrates support speech and non-speech vocal tract gestures. NeuroImage.¹ Torrey Loucks and the second author contributed equally to this work.
- Chang, S. E., Kenney, M. K., Loucks, T. M. J.¹ & Ludlow, C. L. (2009). Brain activation abnormalities during speech and non-speech in stuttering speakers. Neuroimage, 46(1), 201-212.¹ Torrey Loucks and the second author contributed equally to this work.
- Simonyan, K., Saad, Z.S., Loucks, T.M.J.¹, Poletto, C.J. & Ludlow, C.L. (2007). Functional neuroanatomy of human voluntary cough and sniff production. NeuroImage, 37(2), 401-9.¹ Torrey Loucks and the second author contributed equally to this work.
- 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
- Loucks, T. M. J., De Nil, L. F. & Sasisekaran, J. (2007). Jaw-Phonatory Coordination in Chronic Developmental Stuttering. Journal of Communication Disorders, 40(3):257-72
- Loucks, T. M. J. & De Nil, L. F. (2006). Abnormal Sensorimotor Integration in Adults Who Stutter: A Tendon Vibration Study. Neuroscience Letters, 402(1-2), 195-200
- Loucks, T. M. J. & De Nil, L. F. (2006). Oral kinesthetic deficit in adults who stutter: A target accuracy study. Journal of Motor Behavior, 38(3), 238-46
- Loucks, T. M. J., 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
- Ludlow, C. L. & Loucks, T. M. J. (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.
- Loucks, T. M. J. & 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
- Loucks, T. M. J., & 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
- Loucks, T. M. J., 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

Holtrop, J., P., Loucks, T. M., Sutton, B. (Submitted). Age-related demyelination in motor pathways predicts reductions in fine motor control. Human Brain Mapping

Conference Proceedings

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.

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.

Chon, H. C., Ambrose, N., & Loucks, T. M. J. (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.

Loucks, T. M., Shosted, R. K., Novak, M. & Black J. (2011). Speech Production Skills in Adults with Cochlear Implants. 9th International Seminar on Speech Production 2011, 73-80.

Loucks, T. M. J. & De Nil, L. F. (2001). Oral kinesthetic deficit in people who stutter: Effect and mechanism. Speech Motor Control in Normal and Disordered Speech, 4th Edition, International Speech Motor Conference, Nijmegen, NL, pp. 307-10.

Book Chapter

Ludlow, C. L., Loucks, T. M. J., Simonyan, K. & Lowell, S. (2007). Brain Imaging of Voice and Upper Airway Function. In Ingham, R. (Ed.), *Neuroimaging in Communication Sciences and Disorders*, Plural.

Award for Peer-reviewed Article

Loucks, T. M. J., & 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.

Grants – Current Research Support

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

Ambrose, N.G. (PI), Yairi, E., & **Loucks, T.M.** (2010). Subtypes and Associated Risk Factors in Stuttering, National Institute of Communication Disorders and Deafness, \$750,000

Grants – Currently in Submission

Sutton, B. P., **Loucks, T.M.**, Sosnoff, J.J., and Perlman, A., Cerebral dependence of age-related decline in motor control among tongue, finger, and ankle, National Institutes of Health, \$1,250,000

Grants – Currently being Revised

Hasegawa-Johnson, M. (PI) & **Loucks, T. M.** (2011). Lightweight Web-Based Speech-and-Touch User Interface for People with Spastic Dysarthria. National Science Foundation, \$230,000

Loucks, T. M. (PI) & Hasegawa-Johnson, M. (2011). Automatic Speech Recognition Capable of Adapting to Cerebral Palsy, National Institute of Communication Disorders and Deafness, \$280,000

Grants – Previous Research Support

- 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 - Title VI Application - Technology, Culture, and Social Change: Linking Research to Pedagogy. Department of Education, \$18,000
- 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: Amount: 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: Amount requested: \$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
- 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: Amount: 15,000.
- 2008-2009 - Collaborative Research: Translating Prosody in an English/Chinese Language Tutoring System. **Loucks, T. M.** & Chilin Shih (PI). National Science Foundation Grant: Amount funded: 450,000
- 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: Amount funded: 5,000
- 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: Amount funded: 16,000

Invited Talks

- Loucks, T.M. (October, 2011) – Automatic Processes underlying Fluency and Speech Coordination: Individual Differences, Disorders and Compensation - Invited speaker at Indiana University.
- Loucks, T.M. (September, 2011) – Automatic Mechanisms for Sensorimotor Control of Speech Production and Fluency - Invited speaker at Michigan State University.
- Loucks, T. M. J. (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).
- Loucks, T. M. J. & De Nil, L. F. (2001). Oral sensorimotor control deficit in people who stutter: Evidence from behavioral and neuroimaging studies. 90 minute oral presentation at the International Association of Logopedics and Phoniatrics, Montreal, QB.

Oral Presentations

- Ambrose, N.G., Yairi, E. & Loucks, T.M. (2012). Subtypes and risk factors in stuttering. 7th World Congress on Fluency Disorders, Tours, France
- 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. 7th World Congress on Fluency Disorders, Tours, France
- Ning, L.H. & Loucks, T.M. (2012). Potential Roles for Audiomotor Integration and Tone Discrimination in Learning Mandarin Phonetic Contrasts. Platform presentation – Illinois Speech Day, Toyota Technological Institute TTI, Chicago, IL
- Choo, A, Loucks, T.M., Chang, S.E., Zengin, H., Ambrose, N.G. (2011). Corpus callosum development in stuttering. Platform Presentation at the 2011 Annual Convention of the American Speech, Language and Hearing Association. San Diego, CA.
- 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
- 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
- Kim, H., Rong, P. Y., Loucks, T. M. & Hasegawa-Johnson, M. (2010). Kinematic Analysis of Tongue Movement Control in Spastic Dysarthria. Interspeech 2010.
- 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
- Loucks, T. M. J. (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 (10/22/2010).
- Loucks, T. M., Ofori, E. & Sosnoff, J. J., Sensory Mechanisms for Fine Force Control. 2010 Integrative Neural Systems Underlying Vital Aerodigestive Tract Functions Conference, Madison, WI
- Loucks, T. M. J. (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.
- Loucks, T. M. J. (2009). Neurological Basis of Language. Lecture to 1st Year Medical School Students, University of Illinois.
- Loucks, T. M. J. (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.
- Loucks, T. M. J., 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
- Chang, S. E., Loucks, T. M. J., 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
- Chon, H. C., Steger, S., Ambrose, N., Gooler, D. & Loucks, T. M. J. (2008). Individual Variability in Delayed Auditory Feedback Effects on Speech Fluency. American Speech-Language-Hearing Association Annual Convention, Chicago, IL
- Loucks, T. M. J. (2007). Biomarkers of Developmental Stuttering: Perspective and Research Program. Program in Neuroscience Lecture Series, University of Illinois.

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

Poster Presentations

- 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
- 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
- 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.
- 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.
- Chon, H. C., Ambrose, N., & Loucks, T. M. J. (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.
- Loucks, T. M., Shosted, R. K., Novak, M. & Black J. (2011). Speech Production Skills in Adults with Cochlear Implants. International Seminar on Speech Production, 2011. Montreal, QB.
- 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. Poster

- presentation at the 2011 Speech Production Workshop, Beckman Institute, University of Illinois, Urbana, IL
- 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. Poster presentation at the 2011 Speech Production Workshop, Beckman Institute, University of Illinois, Urbana, IL
- 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. Poster presentation at the 2011 Speech Production Workshop, Beckman Institute, University of Illinois, Urbana, IL
- Loucks, T. M., Ofori, E., Grindrod, C.M., De Nil, L. F. & Sosnoff, J. J., Auditory Motor Integration in Oral and Manual Effectors. Poster presentation for the 2010 Conference of the North American Society for the Psychology of Sport and Physical Activity, Tucson, AZ
- Ofori, E., Loucks, T.M., Knapik, D.P., Carlton, L.G., Sosnoff, J.J., Auditory and Visual Feedback in Oral-Manual Force Control. Poster presentation for the 2010 Conference of the North American Society for the Psychology of Sport and Physical Activity, Tucson, AZ
- Chon, H.C., Han, Han, W. J., Ambrose, N.G. & Loucks, T.M.J. (2009). Auditory-Vocal Integration in Adults who Stutter. Poster presentation at the American Speech-Language-Hearing Association Annual Convention, New Orleans, LA.
- 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. Poster presentation at the Annual Conference of the Society for Neuroscience, Chicago, IL.
- 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. Poster presentation at the Annual Conference of the Society for Neuroscience, Chicago, IL.
- 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. Poster presentation at the Annual Conference of the Society for Neuroscience, Chicago, IL.
- 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. Poster presentation at the first Neurobiology of Language Conference, Chicago, IL.
- 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. Poster presentation at the first Neurobiology of Language Conference, Chicago, IL.
- 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. Poster presentation at the Beckman Institute for Advanced Science and Technology 20th Anniversary Symposium, University of Illinois, Urbana, IL.
- Loucks, T., Kraft, S.J., Choo, A.L., Sharma, H., & Ambrose, N.G. (2009). Brain activity during speech: Searching for markers of stuttering persistency. Poster presentation at the Sixth IFA World Congress 2009, Rio de Janeiro, Brazil.
- Chon, H.C., Kraft, S.J., Ambrose, N.G., Gooler, D. & Loucks, T. (2009). Individual Variability in DAF Effects on Speech Fluency and Rate. Poster presentation at the Sixth IFA World Congress 2009, Rio de Janeiro, Brazil.
- Wu, C.H., Shih, C., Loucks, T.M. & Hasegawa-Johnson, M. (2009). A paradox in Mandarin vowel inventory: Acoustic and articulatory discrepancies. Poster presentation at the Beckman Institute for Advanced Science and Technology Open House. University of Illinois, Urbana, IL.
- McCoul, D., Chung, B., Chang, S.E., Loucks, T.M.J. & Ludlow, C.L. (2007). Kinematic Learning in Adults who Stutter. Poster presentation at the National Institutes of Health Summer Student Research Day. Bethesda, Maryland.

- 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. Poster presentation at the Human Brain Mapping Conference 2007, Chicago, IL.
- Chang, S.E., Kenney, M.K., Loucks, T., Poletto, C. & Ludlow, C. (2007). Shared sensorimotor networks for speech and nonspeech perception and production. Poster presentation at the Human Brain Mapping Conference 2007, Chicago, IL.
- Chang, S.E., Kenney, M.K., Loucks, T., Poletto, C., Ludlow, C. (2007). Deficient auditory-motor interactions in stuttering: Preliminary fMRI findings. Poster presentation at the NINDS Fellows Retreat, Airlie Conference Center, VA.
- Baker, A., Loucks, T.M.J., Kenney, M.K., Poletto, C.J., Chang, S.E., Palein, A., Saxon, K. & Ludlow, C.L. (2006). Kinematic Learning of Novel Speech Tasks. Poster presentation at the National Institutes of Health Summer Student Research Day. Bethesda, Maryland.
- 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. Poster presentation at the National Institutes of Health Summer Student Research Day. Bethesda, Maryland.
- 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. Poster presentation at the Human Brain Mapping Conference 2005, Toronto, Ontario.
- 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. Poster presentation at the National Institutes of Health Summer Student Research Day. Bethesda, Maryland.
- 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? Poster presentation at the 12th Biennial Conference on Speech Motor Control, Albuquerque, New Mexico.
- Loucks, T. M. J. & De Nil, L. F. (2000). Tendon vibration effects on oral motor control in stutterers, Poster presentation at the Tenth Biennial Conference on Speech Motor Control, Tucson, Arizona
- Loucks, T. M. J. & De Nil, L. F. (1998). A comparison of target accuracy for oral and non-oral movements between people who stutter and normal speakers. Poster presentation at the Southern Ontario Sensorimotor Conference, Queen's University, Kingston, ON
- De Nil, L. F., Loucks, T. M. J. & Lafaille, S. (1998). Differences between stuttering and nonstuttering adults in oral and nonoral movement accuracy. Poster presentation at the Ninth Biennial Conference on Speech Motor Control, Tucson, Arizona
- Loucks, T. M. J. & De Nil, L. F. (1997). Oral sensorimotor control in stutterers: A comparison of jaw movement accuracy and reaction time between stutterers and normal speakers. Poster presented at the 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>
NIH R01 Renewal	\$750,000	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 Sciences, University of Illinois at Urbana/Champaign

1. SHS 593: Laboratory Methods in Speech Science
2. SHS 470: Neural Bases of Speech and Hearing
3. SHS 410: Stuttering and Related Disorders.
4. SHS 300: Anatomy and Physiology of the Speech Mechanism
5. SHS 301: General Speech Science
6. 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

- 2010 – Mentor of a student in the Summer Research Opportunities Program. The student, Amanda Ward received an award for the best student presentation
- 2009 – Ongoing – Supervisor of an MSc student working on a MRI study of adults and children who stutter
- 2009 – Ongoing – Mentor of a student in the James Scholar Program who is working on a study of Delayed Auditory Feedback
- 2007 – 2010 - Co-supervisor of a PhD student working on a cross-sectional study of kinematic coordination in adults and children who stutter.
- 2007 - Ongoing – Member of 6 PhD supervision committees.
- 2006 - Mentor of a summer student who conducted a speech motor learning study of novel phonological words.
- 2005 – Mentor of a summer student who conducted a functional magnetic resonance imaging study of vocalization.
- 2004 - Mentor of a summer 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
- Reviewer – Brain and Language
- Reviewer - Journal of Speech, Language and Hearing Research
- Reviewer - Journal of Fluency Disorders
- Reviewer – Journal of Speech, Language and Hearing Services in Schools
- Reviewer – Journal of Communication Disorders
- Reviewer – International Journal of Language and Communication Disorders
- Member – American Speech-Language-Hearing Association
- Affiliate faculty, Beckman Institute for Advanced Science & Technology
- Faculty member, University of Illinois Stuttering Research Program
- 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
- Ontario Speech Language Audiology Association
- American Society of Acoustics