

Curriculum Vitae

Shawn L. Nissen
Department of Communication Disorders
Brigham Young University
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Education

- 2003 The Ohio State University
Ph.D., Department of Speech and Hearing Science
Emphasis: Speech Perception and Production
Dissertation: *An acoustic analysis of voiceless obstruents produced by adults and typically developing children* (Advisor: Dr. Robert Fox).
- 1998 The Ohio State University
M.A., Department of Speech and Hearing Science
Emphasis: Speech-Language Pathology
Thesis: *An investigation of audiovisual speech processing in Mandarin and English subjects* (Advisors: Drs. Robert Fox & Janet Weisenberger).
- 1994 Brigham Young University,
B.A., Department of Humanities

Professional Experience

- 2009 – present Associate Professor, Department of Communication Disorders
Brigham Young University
- 2003 – 2009 Assistant Professor, Department of Communication Disorders
Brigham Young University
- 2005 Associate Instructor, Department of Communication Sciences and Disorders
University of Utah
- 2002 Instructor, Department of Audiology and Speech-Language Pathology
Brigham Young University
- 2001 – 2002 Graduate Research Assistant, Speech Perception and Acoustics Laboratory
Department of Speech and Hearing Science
The Ohio State University
- 2000 – 2001 National Institute of Health Predoctoral Research Trainee
1998 – 2000 Speech-Language Pathologist, OSU Speech-Language and Hearing Clinic
- 1998 Speech-Language Pathologist, Sundance Rehabilitation Corporation
- 1996 – 2000 Graduate Teaching Assistant, Department of Speech and Hearing Science
The Ohio State University

Teaching Experience

- 2017 – present Medical Speech Language Pathology, Department of Communication Disorders
Brigham Young University
- 2009 – present Clinical Phonetics, Department of Communication Disorders, Brigham Young
University
- 2004 – present Traumatic Brain Injury, Department of Communication Disorders, Brigham Young
University
- 2003 – 2018 Aphasia, Department of Communication Disorders, Brigham Young University
- 2003 – 2012 Speech Anatomy, Department of Communication Disorders, Brigham Young
University
- 2005 Aphasia, Department of Communication Sciences and Disorders, University of Utah
- 2002 Speech Anatomy, Department of Audiology and Speech-Language Pathology
Brigham Young University
- 2000 Normal Development of Communication in Children, Department of Speech and
Hearing Science, The Ohio State University
- 1997 – 1999 Brain Mechanisms of Language (SHS 250), Department of Speech and Hearing
Science, The Ohio State University

Professional Awards

- 2013 The Nancy Peery Marriott Outstanding Teacher of the Year Award, David O. McKay School of
Education, Brigham Young University.

Publications

30. Smith, L. C., & Nissen, S. L. (accepted). Do Students Make More Pronunciation Improvements
Living in German Foreign Language Housing than Studying in Class? *Foreign Language
Housing*, edited by Jennifer Brown.
29. Nissen, S. L., Randle, Q., Johnson, J., & Lynes, J. (accepted). Prosodic elements for content delivery
in broadcast journalism: A quantitative study of vocal pitch. *Electronic News*.
28. Nissen, S. L., Peris, M. E., & Tanner, K. (2019). An intensive boot camp approach to the
remediation of speech sound disorders: A case report. *Speech, Language, and Hearing, 22(2), 51-
60*.
27. Nissen, S. L., Blunck, S., Dromey, A., & Dromey, C. (2019). Listeners' ability to identify the gender
of preadolescent children in different linguistic contexts. *Interspeech 2019, 1, 286 – 290*. Doi:
10.21437/Interspeech.2019
26. Nissen, S. L., & Nissen, R. (2019). Using real-time visual biofeedback for second language
instruction. *Interspeech 2019, 1, 286 – 290*. Doi: 10.21437/Interspeech.2019

25. Dromey, C., Hunter, E. & Nissen, S. L. (2018) Speech adaptation to kinematic recording sensors: Perceptual and acoustic findings. *Journal of Speech, Language, and Hearing Research*, 61, 593 - 603.
24. Lawson, F. R. S., & Nissen, S. L. (2018). The significance of the acoustic signature in Chinese narrative performance: New discoveries through Praat Acoustic Analysis Software. *Analytical Approaches to World Music Journal*, 6(1).
23. Nissen, S. L. (2017). Using electropalatography in second language pronunciation instruction: A preliminary examination of voiceless German fricatives. *Proceedings from the Phonetics Teaching and Learning Conference 2017*, 80-83. University College London, United Kingdom.
22. Hacking, J. F., Smith, B. L., Nissen, S. L., & Allen, H. (2016). Russian palatalized and unpalatalized consonants: An electropalatographic and acoustic analysis of native speaker and learner productions. *Journal of Phonetics*, 54, 98-108.
21. Tanner, K., Nissen, S. L., Merrill, R., Miner, A., Channell, R., Miller, K., Elstad, M., Kendall, K., & Roy, N. (2015). Nebulized isotonic saline improves voice production in Sjogren's syndrome. *Laryngoscope*, 125(10), 2333-2340.
20. Nissen, S. L. (2015). Teaching a phonetics course with a high student enrolment using a blended-learning format. *Proceedings from the Phonetics Teaching and Learning Conference*, 63-66. University College London, United Kingdom.
19. Heller, A., Tanner, K., Nelson, R., Nissen, S. L., Merrill, R. M., Miller, K. L., Houtz, D. R., Ellerston, J., & Kendall, K. (2014). Voice, speech, and laryngeal features of primary Sjogren's syndrome. *Annals of Otolaryngology, Rhinology, and Laryngology*, 123, 778-785. Doi: 10.1177/0003489414538762
18. Nissen, S. L., Harris, R. W., Channell, R. W., Richardson, N., Garlick, J., & Eggett, D. L. (2013). The effect of dialect on speech audiometry testing. *American Journal of Audiology*, 22, 233-240. Doi: 10.1044/1059-0889 (2013/12-0077)
17. Foreman, B., Sondrup, S., Dromey, C. D., Jarvis, E., Nissen, S. L., & Dibble, L. E. (2013). The effects of practice on the concurrent performance of a speech and postural task in persons with Parkinson disease and healthy controls. *Parkinson's Disease*. Doi: 10.1155/2013/987621
16. Nissen, S. L., Harris, R. W., Channell, R. W., Conklin, B., Kim, M., & Wong, L. (2011). The development of psychometrically equivalent Cantonese speech audiometry materials. *International Journal of Audiology*, 50, 191-201.
15. Dromey, C., Jarvis, E., Sondrup, S., Nissen, S. L., Foreman, K. B. & Dibble, L. E. (2010). Bidirectional interference between speech and postural stability in individuals with Parkinson's disease. *International Journal of Speech-Language Pathology*, 12, 446-454.
14. Nissen, S. L., & Fox, R. A. (2009). Acoustic and spectral patterns in young children's stop consonant productions. *The Journal of the Acoustical Society of America*, 126(3), 1369-1378.

13. Roy, N., Nissen, S. L., Dromey, C., & Sapir, S. (2009). Articulatory changes in muscle tension dysphonia: Evidence of vowel space expansion following manual circumlaryngeal therapy. *Journal of Communication Disorders*, 42(2), 124-135.
12. Nissen, S. L., Harris, R. W., & Dukes, A. (2008). Word recognition materials for native speakers of Taiwan Mandarin. *The American Journal of Audiology*, 17, 68-79.
11. Zhang, Y. H., Nissen, S. L., & Francis, A. L. (2008). Acoustic characteristics of English lexical stress produced by native Mandarin speakers. *The Journal of the Acoustical Society of America*, 123, 4498-4513.
10. Dromey, C., Nissen, S. L., Roy, N., & Merrill, R. M. (2008). Articulatory changes following treatment of muscle tension dysphonia: Preliminary acoustic evidence. *Journal of Speech, Language, and Hearing Research*, 51, 196-208.
9. Nissen, S. L., Dromey, C., & Wheeler, C. (2007). First and second language tongue movements in Spanish and Korean bilingual speakers. *Phonetica*, 64, 201-216.
8. Nissen, S. L., Harris, R. W., & Slade, K. (2007). Development of speech reception threshold materials for speakers of Taiwan Mandarin. *The International Journal of Audiology*, 46, 449-458.
7. Harris, R. W., Nissen, S. L., Pola, M. G., McPherson, D. L., Tavartkiladze, G. A., & Eggett, D. L. (2007). Psychometrically equivalent Russian speech audiometry materials by male and female talkers. *The International Journal of Audiology*, 46, 47-66.
6. Dromey, C., Nissen, S. L., Nohr, P., & Fletcher, S. G. (2006). Measuring tongue movements during speech: Adaptation of a magnetic jaw-tracking system. *Speech Communication*, 48(5), 463-473.
5. Nissen, S. L., & Fox, R. A. (2005). Acoustic and spectral characteristics of young children's fricative productions: A developmental perspective. *The Journal of the Acoustical Society of America*, 118, 2570-2578.
4. Nissen, S. L., Harris, R. W., Jennings, L. J., Eggett, D. L., & Buck, H. (2005). Psychometrically equivalent Mandarin bisyllabic speech discrimination materials spoken by male and female talkers. *The International Journal of Audiology*, 44, 379-390.
3. Nissen, S. L., Harris, R. W., Jennings, L. J., Eggett, D. L., & Buck, H. (2005). Psychometrically equivalent trisyllabic words for speech reception threshold testing in Mandarin. *The International Journal of Audiology*, 44, 391-399.
2. Fox, R. A., & Nissen, S. L. (2005). Sex-related acoustic changes in voiceless English fricatives. *Journal of Speech, Language, and Hearing Research*, 48, 753-765.
1. Fox, R. A., & Nissen, S. L. (2003). Age-related acoustic changes in voiceless English fricatives. *Proceedings from the Meikai Linguistics and Phonetics Conference*. Meikai University, Japan.

Articles in Review

Taylor, S., Dromey, C., Nissen, S. L., Tanner, K., Eggett, D., & Corbin-Lewis, K. (in review). Age-related changes in speech and voice: Spectral and Cepstral measures. *Journal of Speech Language and Hearing*.

Financial Awards

- 2017 Research grant from the David O. McKay School of Education. *The effectiveness of using electropalatography to improve speech instruction for students learning English as a second language*. Funded for the amount of \$30,480; Shawn L. Nissen (P.I.).
- 2013 Research grant from the David O. McKay School of Education, CITES Research Division. *Speech Physiology*. Funded for the amount of \$60,000; Shawn L. Nissen (P.I.); Kristine Tanner, Christopher Dromey, Ron Channell (co-investigators).
- 2013 Research grant from the Fletcher Biocommunication Endowment. *The efficacy of using electropalatometry in Second Language Learning*. Funded for the amount of \$48,000; Shawn L. Nissen (P.I.).
- 2012 Research grant from the David O. McKay School of Education. *The efficacy of using electropalatometry to remediate developmental articulation disorders in school-aged children*. Funded for the amount of \$7,750; Shawn L. Nissen (P.I.).
- 2011 Research grant from the David O. McKay School of Education. *The kinematic correlates of spectral moment measures: An examination of electropalatometric contact patterns for obstruent speech productions*. Funded for the amount of \$7,750; Shawn L. Nissen (P.I.).
- 2010 Research grant from the David O. McKay School of Education. *The acoustic nature of speech prosody in typically developing children: An examination of production and perception*. Funded for the amount of \$8,000; Shawn L. Nissen (P.I.).
- 2009 Co-investigator on a research grant from the David O. McKay School of Education. *Development of psychometrically equivalent Samoan speech audiometric materials*. Funded for the amount of \$8,170; Richard Harris (P.I.).
- 2008 Research grant from the David O. McKay School of Education. *The development of materials to evaluate the speech perception abilities of native speakers of Mongolian*. Funded for the amount of \$7,670; Shawn L. Nissen (P.I.).
- 2007 Research grant from the David O. McKay School of Education. *The development of speech audiometry materials for speakers of Thai*. Funded for the amount of \$5,532; Shawn L. Nissen (P.I.).
- 2006 Research grant from the David O. McKay School of Education. *Psychometrically equivalent Cantonese speech audiometry materials*. Funded for the amount of \$6,267; Shawn L. Nissen (P.I.).
- 2005 Research grant from the David O. McKay School of Education. *The effectiveness of several methods of prosodic instruction for the professional voice user: A quantitative analysis of acoustic elements*. Funded for the amount of \$7,650; Shawn L. Nissen (P.I.).

- 2005 Co-investigator on a mentoring research grant from the Office of Research and Creative Activities. *Development of digitally recorded speech audiometric materials*. Funded for the amount of \$10,760; Richard Harris (P.I.).
- 2005 Co-investigator on research grant from the David O. McKay School of Education. *Speech audiometric materials in Mandarin*. Funded for the amount of \$5,000; Richard Harris (P.I.).
- 2004 Research grant from the David O. McKay School of Education. *Acoustic variation between read and spontaneous Mandarin speech: An analysis of prosodic and spectral elements*. Funded for the amount of \$5,984; Shawn L. Nissen (P.I.).
- 2004 Co-investigator on research grant from the David O. McKay School of Education. *Speech audiometric materials in Mandarin*. Funded for the amount of \$8,500; Richard Harris (P.I.).
- 2003 Research grant from the David O. McKay School of Education. *Age related changes in the acoustic characteristics of voiceless obstruent sounds: A spectral moment analysis*. Funded for the amount of \$7,274; Shawn L. Nissen (P.I.).
- 2000 - 01 National Institutes of Health (NIH) Predoctoral Traineeship in Speech and Hearing Science. *Multidisciplinary program in speech and hearing science*; Robert Fox (P.I.).
- 2000 Research grant from the Ruth Becky Irwin Memorial Fund. Funded for \$1,000; Shawn L. Nissen (P.I.).
- 1998 Research grant from the Ohio State University. Funded for the amount of \$2,000. Shawn L. Nissen (P.I.).
- 1995 – 96 Recipient of an Ohio State University Fellowship.

Creative Works

- Harris, R. W., & Nissen, S. L. (2009). *Mongolian speech audiometry materials*, [Compact Disc]. Provo, UT: Brigham Young University.
- Harris, R. W., & Nissen, S. L. (2008). *Thai speech audiometry materials*, [Compact Disc]. Provo, UT: Brigham Young University.
- Harris, R. W., & Nissen, S. L. (2008). *Tongan speech audiometry materials*, [Compact Disc]. Provo, UT: Brigham Young University.
- Harris, R. W., & Nissen, S. L. (2007). *Cantonese speech audiometry materials*, [Compact Disc]. Provo, UT: Brigham Young University.
- Harris, R. W., & Nissen, S. L. (2007). *Taiwan Mandarin Chinese speech audiometry materials*, [Compact Disc]. Provo, UT: Brigham Young University.
- Harris, R. W., & Nissen, S. L. (2004). *Mandarin Chinese speech audiometry materials: Putonghua*, [Compact Disc]. Provo, UT: Brigham Young University.

Published Abstracts and Refereed Presentations

- Young, L., & Nissen, S. L. (2019). Using electropalatography to analyze intra-speaker variability in German second language fricative production. Honors Thesis Poster Session, Brigham Young University, Provo, UT.
- Ditty, K., Lew, S., Wahlquist, M., Barker, T., McDougal, N., Chaves, K., & Nissen, S. L. (2019). Using electropalatography to instruct ESL students in the /r/ sound contrast: Visual evidence from linguapalatal contact maps. McKay School of Education Mentored Research Conference, Provo, UT.
- Bell, L., Styles, H., Young, L., Price, S., Cope, E., & Nissen, S. L. (2019). The effectiveness of using electropalatography in L2 language instruction: An examination of formant frequencies. McKay School of Education Mentored Research Conference, Provo, UT.
- Craven, L., Barber, C., Chapman, K., & Nissen, S. L. (2018). Using electropalatography to measure ESL progress across task types. McKay School of Education Mentored Research Conference, Provo, UT.
- Nissen, S. L., Randle, Q., Lynnes, J., & Johnson, J. L. (2018). Prosodic elements for content delivery in broadcast journalism: A quantitative study of vocal pitch. 2018 American Education for Journalism and Mass Communication Conference, Washington D.C., USA.
- Nissen, S. L., Duffield, K., & Celaya, M. (2018). An acoustic and perceptual analysis of children's adaptation to an electropalatographic sensor. *The Journal of the Acoustical Society of America*, 144(3)A, 1963.
- Li, Y. T., Tanner, M., Nissen, S. L., & Hartshorn, J. (2018). ESL learners' experiences using electropalatographic biofeedback to improve pronunciation. International TESOL Convention, Chicago, IL, USA.
- Chase, B., Tanner, M., Nissen, S. L., & Hartshorn, J. (2018). Challenging the notion that Japanese English language learners' cannot distinguish the /R/ and /L/ phonemes. International TESOL Convention, Chicago, IL, USA.
- Nissen, S. L. (2017). Using electropalatography in second language pronunciation instruction: A preliminary examination of voiceless German fricatives. The 2017 Phonetics Teaching and Learning Conference, University College London, London, UK.
- Chase, B., Tanner, M., Nissen, S. L., & Hartshorn, J. (2017). Challenging the notion that Japanese English language learners' cannot distinguish the /R/ and /L/ phonemes. 9th Annual Pronunciation in Second Language learning and Teaching Conference, Salt Lake City, Utah, USA.
- Li, Y. T., Tanner, M., Nissen, S. L., & Hartshorn, J. (2017). ESL learners' experiences using electropalatographic biofeedback to improve pronunciation. 9th Annual Pronunciation in Second Language learning and Teaching Conference, Salt Lake City, Utah, USA.
- Chase, B., Tanner, M., Nissen, S. L., & Hartshorn, J. (2017). An acoustic study of adult Japanese ELLs' production of /l/ and /r/ across task type and word position. I-TESOL, Provo, Utah, USA.
- Li, Y. T., Tanner, M., Nissen, S. L., & Hartshorn, J. (2017). ESL learners' experiences using electropalatographic biofeedback to improve pronunciation. I-TESOL, Provo, Utah, USA.

- Lester, K. E., Loveridge, C., Ricks, J., Smith, L. C., Bell, T., & Nissen, S. L. (2017). The efficacy of using electropalatographic biofeedback in second language German instruction. McKay School of Education Mentored Research Conference, Provo, UT.
- Nissen, S. L., Smith, L. C., Belle, T. R., & Lester, K. E. (2016). The efficacy of using electropalatographic biofeedback in second language German instruction. 21st Germanic Linguistics Annual Conference, Reykjavik, Iceland.
- Nissen, S. L., & Lawson, F. R. S. (2016). An acoustic and perceptual evaluation of four historic recordings of Chinese narrative singing. *The Journal of the Acoustical Society of America*, 140(4)A, 3429.
- Lawson, F. R. S., & Nissen, S. L. (2016). The significance of the acoustic signature in Chinese narrative performance: New discoveries through Praat acoustic analytical software. Fourth International Conference on Analytical Approaches to World Music. New York, NY.
- Channell, R., Chatterton, M., Nissen, S. L., & Tanner, K. (2015). External validity of grammatical word category classification using an adaptation and selection model. Annual Conference of the American Speech-Language and Hearing Association. Denver, CO.
- Channell, R., Winiecke, R., Tanner, K., & Nissen, S. L. (2015). Transcript coding and accuracy of automated grammatical category tagging. Annual Conference of the American Speech-Language and Hearing Association. Denver, CO.
- Tanner, K., Nissen, S. L., Channell, R., Berardi, M., Berardi, E., Lovett, V., & Stowell, A. (2015). Quantifying changes in vocal fold hydration using relative fundamental frequency (RFF) analysis during connected speech. Annual Conference of the American Speech-Language and Hearing Association. Denver, CO.
- Nissen, S. L. (2015). Teaching a phonetics course with a high student enrolment using a blended-learning format. Phonetics Teaching and Learning Conference 2015, University College London, United Kingdom.
- Nissen, S. L., Isaacson, L. D., Bell, T. R., & Smith, L. C. (2015). The efficacy of using electropalatography to quantitatively describe linguapalatal contact patterns in German. 21st Germanic Linguistics Annual Conference, Provo, UT.
- Channell, R., Nissen, S., & Tanner, K. (2014). Modeling children's acquisition of grammatical word categories using an adaptation and selection algorithm. Annual Conference of the American Speech-Language and Hearing Association. Orlando, FL.
- Miner, A., Tanner, K., Nissen, S., Merrill, R., Miller, K., Lovett, V., Channell, R., Elstad, M., Kendall, K., Roy, N. (2014). Quantifying the long-term effects of nebulized saline on voice production in Sjogren's syndrome. Annual Conference of the American Speech-Language and Hearing Association. Orlando, FL.
- Smith, L., & Nissen, S. L. (2014). Do students make more pronunciation improvements living in German foreign language housing than studying in class? 20th Germanic Linguistics Annual Conference. West Lafayette, Indiana.

- Channell, R., Scoville, C., Fujiki, M., & Nissen, S. (2013). Noun clauses in children with and without language impairment. Annual Conference of the American Speech-Language and Hearing Association. Chicago, IL.
- Channell, R., Scoville, C., & Nissen, S. (2013). Automated identification of noun clauses in clinical samples of child language. Annual Conference of the American Speech-Language and Hearing Association. Chicago, IL.
- Heller, A., Tanner, K., Roy, N., Nissen, S., Merrill, R., Miller, K., Houtz, D., Ellerston, J., & Kendall, K. (2013). Acoustic, auditory-perceptual, and videostroboscopic voice and speech characteristics of Sjögren's syndrome. Annual Conference of the American Speech-Language and Hearing Association. Chicago, IL.
- Tanner, K., Roy, N., Merrill, R., Kendall, K., Miller, K., Clegg, D., Heller, A., Houtz, D., Elstad, M., & Nissen, S. (2013). Comparing nebulized water versus saline after laryngeal desiccation challenge in Sjögren's syndrome. Annual Conference of the American Speech-Language and Hearing Association. Chicago, IL.
- Hacking, J., Smith, B., & Nissen, S. (2013). An evaluation of Russian palatalized versus unpalatalized consonants using electropalatography. New Sounds: International Symposium on the Acquisition of Second Language Speech, Montreal, Canada.
- Nissen, S., Morrey, K., Titera, L., Barrett, J., Marshall, B., & Peris, M. (2012). The efficacy of electropalatometry to remediate articulation disorders in children. Annual Conference of the American Speech-Language and Hearing Association. Atlanta, GA.
- Foreman, B., Sondrup, S., Dromey, C. D., Jarvis, E., Nissen, S., & Dibble, L. (2012). Dosing dual-task balance practice: The effects of age and Parkinson disease. Movement Disorder Society Meeting, Sydney, Australia.
- Nissen, S. L., Harris, R. W., Channell, R. W., Richardson, N., & Garlick, J. (2011). Regional dialect differences effect on SRT and WR scores in Mandarin. Annual Conference of the American Speech-Language and Hearing Association. San Diego, CA.
- Nissen, S. L. (2010). Sex-specific differences in young children's speech productions: A spectral analysis. Sociophonetics at the crossroads of speech variation, processing and communication, Pisa, Italy, December.
- Dromey, C., Jarvis, E., Sondrup, S., Nissen, S. L., Foreman, K. B., & Dibble, L. E. (2010). Interactions between postural stability and speech individuals with Parkinson's disease. Conference on Motor Speech, Savannah, GA.
- Harris, R. W., Nissen, S. L., & Barrett, K. (2010). Scoring of Mandarin speech audiometry by native and non-native talkers of Mandarin. International Congress of Audiology 2010, Sao Paulo, Brazil, March.
- Harris, R. W., Nissen, S. L., Haslam, V. N., & Gilbert, K. N. (2010). Development of digitally recorded Mongolian speech audiometry materials. International Congress of Audiology 2010, Sao Paulo, Brazil, March.

- Nissen, S. L., Harris, R. W., Hart, L., & Williams, C. (2009). Psychometrically equivalent Thai speech audiometry materials spoken by male and female talkers. Asia Pacific Society for Speech, language, and Hearing Conference, Honolulu, July.
- Nissen, S. L., Harris, R. W., Garlick, J., & Richardson, N. (2008). The effect of regional dialect on the psychometric reliability and validity of two sets of Mandarin speech audiometry materials. *The Journal of the Acoustical Society of America*, 123(5)A, 3716.
- Harris, R. W., Nissen, S. L., Kim, M., & Conklin, B. (2008). Development of Cantonese speech audiometry materials. XXIXth International Congress of Audiology, Hong Kong, June.
- Harris, R. W., Nissen, S. L., McPherson, D. L., Robertson, M., & Ratcliff, R. (2008). Development of Arabic speech audiometry materials. XXIXth International Congress of Audiology, Hong Kong, June.
- Harris, R. W., & Nissen, S. L. (2007). Development of digitally recorded Cantonese SRT speech audiometry. Annual Conference of the American Speech-Language and Hearing Association. Boston, MA.
- Nissen, S. L., Boucher, K., & Parson, M. (2006). Patterns of anticipatory lingual coarticulation in typically developing children. *The Journal of the Acoustical Society of America*, 120(5)A, 3134.
- Dromey, C., Nissen, S. L., & Roy, N. (2006). Laryngeal-articulatory coupling in three speech disorders. Paper presented at the 5th International Conference on Speech Motor Control in Nijmegen, Holland, June.
- Roy, N., Dromey, C., Nissen, S. L., Boucher, K. (2005). Acoustic evidence of articulatory changes accompanying voice treatment in muscle tension dysphonia, 2005 UCSF Voice Conference, San Francisco, CA.
- Boucher, K., Dromey, C., Nissen, S. L., & Roy, N. (2005). Articulatory acoustic changes accompanying voice treatment in Muscle Tension Dysphonia. Annual Conference of the American Speech Language and Hearing Association. San Diego, California.
- Nissen, S. L., Smith, B. L., Bradlow, A., & Bent, T. (2004). Accuracy and variability in vowel targets produced by native and non-native speakers of English. *The Journal of the Acoustical Society of America*, 116(4)A, 2604.
- Parson, M., Lloyd, A. L., Stoddard, K., & Nissen, S. L. (2003). Age-related changes in the anticipatory coarticulation of young childrens' speech. *The Journal of the Acoustical Society of America*, 114(4)A, 2395.
- Fox, R. A., Nissen, S. L., & Rosenbauer, K. (2001). Age-related changes in the acoustic characteristics of voiceless English fricatives. *The Journal of the Acoustical Society of America*, 110(5)A, 2704.
- Nissen, S. L., Frieda, E., McGory, J., Fox, R. A., Friedman, K., & Rosenbauer, K. (2001). Developmental changes in the production of obstruents I. An acoustic analysis of voiceless obstruents. *The Journal of the Acoustical Society of America*, 109(5)A, 2447.
- Frieda, E., Nissen, S. L., McGory, J., Fox, R. A., Friedman, K., & Rosenbauer, K. (2001). Developmental changes in the production of obstruents. II. An acoustic analysis of voiced obstruents. *The Journal of the Acoustical Society of America*, 109(5)A, 2447.

- McGory, J. T., Frieda, E., Nissen S. L., Fox, R. A., Friedman, K., & Rosenbauer, K. (2001). Acquisition of dialectal differences in English by native Japanese speakers. *The Journal of the Acoustical Society of America*, 109(5)A, 2475.
- Nissen, S. L. & Gibbons, C. (2001). The intraspeaker variability of fundamental frequency in Mandarin and English subjects producing disyllabic words. *The 10th Annual Conference of the International Association of Chinese Linguistics (IACL-10) in conjunction with the 13th North American Conference on Chinese Linguistics (NACCL-13)*. Irvine, CA.
- Nissen, S. L. & Gibbons, C. (2000). The variability of pitch in Mandarin and English subjects producing disyllabic words. *The Journal of the Acoustical Society of America*, 107(5)A, 2801.

Invited Papers and Presentations

- Nissen, S. L. (2014). Tools to analyze the acoustic and kinematic characteristics of speech. Language Acquisition Research Colloquium, Provo, Utah.
- Klc, K., Nelson, K., Nissen, S. L., Tanner, K., Channell, R., Burton, K., Nance, S. Simmons, K., & Smith, J. (2014). Quantifying the effects of nebulized saline laryngeal hydration treatments on speech production in females with Primary Sjogren's Syndrome. McKay School of Education Mentoring Conference, Provo, Utah.
- Nissen, S. L. (2013). Acoustic analysis of speech sounds. Utah State University, Logan, Utah.
- Nissen, S. L. (2013). Approaches to analyzing speech. Second Language Research Forum, Provo, Utah.
- Dromey, A., Powell, L., Debenham, S., Matthews, D., & Nissen, S.L. (2010). Speech prosody in typically developing children: An examination of production and perception. McKay School of Education Mentoring Conference, Provo, Utah.
- Nissen, S. L. (2009). Twenty steps to successful teaching. Graduate Student Association Seminar, Brigham Young University. Provo, Utah.
- Nissen, S. L. (2006). Regaining language following neurological injury: The speech therapist's role in functional rehabilitation. Comprehensive Clinic Grand Rounds, Brigham Young University. Provo, Utah.
- Guy, S. C. & Nissen, S. L. (2001). Why they don't show what they know: Understanding and helping the child with Executive/Regulatory difficulties. *Central Ohio Speech and Hearing Association*. Columbus, Ohio.
- Nissen, S. L. (2001). Absolute pitch perception and intraspeaker F0 variability in tonal and intonational languages. Invited presentation. Brigham Young University.
- Nissen, S. L. & Gibbons, C. (2000). Pitch variability in speakers of tonal and intonational languages. *John Black Memorial conference*. The Ohio State University.
- Nissen, S. L. (1999). The role of dentition in the normal development of speech. *Dental School seminars*. The Ohio State University.

Nissen, S.L. (1999). An investigation of audiovisual speech processing in Mandarin and English subjects. *Neuroplasticity: Implications for Speech, Language & Hearing*. The Ohio State University.

Professional and Academic Service

Academic Committee Membership

2019 – Present Rank and Status Committee, McKay School of Education - member
2018 – present Graduate Coordinator – Department of Communication Disorders
2016 – present Educator Preparation Program – Advanced Program Counsel - member
2003 – present Department of Communications Disorders Admissions Committee
2006 – 2019 Department of Communications Disorders Diversity Committee - chair
2017 – 2018 Department of Communications Disorders Peer Teaching Evaluation Committee - chair
2016 – 2017 McKay School of Education Multicultural Education Committee - member
2015 – 2017 Department of Communications Disorders Peer Teaching Evaluation Committee - member
2013 – 2015 University Faculty Advisory Committee – sub-committee Chair
2012 – 2013 University Faculty Advisory Committee – member
2010 – 2012 McKay School of Education Multicultural Education Committee
2006 – 2010 McKay School of Education Planning Committee
2004 – 2010 Benjamin Cluff Jr. Lectureship Selection Committee
2006 – 2010 McKay School of Education Human Subjects Internal Review Board Subcommittee
2006 – 2008 Department of Communications Disorders Interview Subcommittee
2003 – 2006 Advisor for local chapter of National Student Speech-Language and Hearing Association (NSSHLA)
2004 Department Coordinator for Summer of Academic Refinement (SOAR)
1999 - 2001 University Counselor, Central Ohio Speech and Hearing Association
1998 - 2001 Faculty search committee, The Ohio State University
1996 - 1998 Physical facilities committee, Dept. of Speech & Hearing Science

Academic Theses Chaired

In process Emily Petersen, [topic selection in progress]
In process Summer Price, [topic selection in progress]
In process Nikki McDougal, [topic selection in progress]
2019 Elizabeth Young, *Using electropalatography to analyze intra-speaker variability in German second language fricative production.*
2019 Kallie Chaves, *The distinction between lingua-palatal contact patterns of English light and dark /l/: A precursor to using electropalatography in second language instruction.*
2018 Elizabeth Cope, *The Influence of Task Type of Speech Production by Second Language Learners of German: An Electropalatographic Study.*
2018 Lindsey Wing, *Native Mandarin speakers' production of English fricatives as a function of linguistic task type and word position: A spectral moment analysis.*
2018 Rachel Zitting, *Perceptual proficiency ratings of obstruent productions in L2 learners of English as a function of task type, word position, and listener expertise.*
2017 Kasey Duffield, *Perceptual analysis of children's adaptation to an electropalatography sensor.*
2017 Kate Lester, *Quantifying lingua-palatal contact patterns of obstruent productions by non-native students enrolled in a university German learning course: An electropalatographic study.*

- 2015 Lisa Isaacson, *Establishing normative data for contact patterns of fricative production by native German speakers.*
- 2015 Kara Klc, *Monophthongal vowel production in females with Primary Sjögren's syndrome following a hydration treatment of nebulized saline*
- 2014 Keri Nelson, *The effects of nebulized saline treatments on diphthongal vowel production on female subjects with Sjögren's syndrome*
- 2014 Kara Knapp, *Children's adaptation to electropalatography: Evidence from acoustic analysis of /t/ and /k/*
- 2014 Marissa Purser, *Speech adaptation to electropalatography in children's productions of /s/ and /ʃ/*
- 2013 Melanie Peris, *Remediating interdental /s/ in a school-aged child using a multimodal bootcamp approach*
- 2013 Kristina Pickett, *The efficacy of using electropalatometry to remediate developmental articulation disorders in school-aged children with hearing impairment*
- 2012 Benjamin Marshall, *The correlation between spectral moment measures and electropalatographic contact patterns for /s/ and /ʃ/*
- 2012 Janelle Barrett, *The correlation between spectral moment measures and electropalatometric contact patterns for /t/ and /k/*
- 2012 Nicole Clover, *An acoustic analysis of elements of contrastive stress produced by 8 to 10-year-old children*
- 2011 Sharalee Blunck, *Listeners' ability to identify the gender of preadolescent children across multiple linguistic contexts.*
- 2011 Lacey Powell, *The effects of gender and elicitation method on the prosodic cues utilized by 7 to 11 year-old children in the question-statement contrast.*
- 2010 Anita Dromey, *An acoustic and perceptual investigation of contrastive stress in children.*
- 2009 Meghan Caldwell, *Development of psychometrically equivalent speech audiometry materials for testing children in Mongolian.*
- 2009 Larkin Reeves, *Patterns in vowel production in speakers of American English originating from the Mountain West region.*
- 2009 Meghan Cannon, *The effect of a pseudopalate on fricative production: A perceptual evaluation.*
- 2009 Kristen Jensen, *Psychometrically equivalent bisyllabic words of speech reception threshold testing in Mongolian.*
- 2008 Lauren Hart, *Development of Thai speech audiometry materials for measuring speech reception thresholds.*
- 2008 Karie Dean, *The effect of a pseudopalate on voiceless obstruent production: A spectral evaluation of adaptation.*
- 2008 Lara Seaver, *The development of word recognition materials for native speakers of Tongan.*
- 2008 Jamie Garlick, *The effects of regional dialect on the validity and reliability of word recognition scores.*
- 2007 Brooke Conklin, *Psychometrically equivalent Cantonese bisyllabic word recognition materials spoken by male and female talkers.*
- 2007 Kurtt Boucher, *Patterns of anticipatory coarticulation in adults and typically developing children.*
- 2006 Alycia Dukes, *Psychometrically equivalent bisyllabic word lists for word recognition testing in Taiwan Mandarin.*
- 2006 Katie Bedke Slade, *Speech reception threshold materials for Taiwan Mandarin.*
- 2005 Jenny Lynes, *Preliminary findings from two methods of prosodic instruction for the professional voice user: A quantitative analysis of acoustic elements.*
- 2005 Andrea Weaver, *The effect of a lingual magnet on fricative production: An acoustic evaluation of placement and adaptation.*

Academic Theses Committee Membership

In process	Mendocino Peacock, Title selection in progress
In process	Britney Wells, Title selection in progress
In process	Emily Moore, Title selection in progress
In process	Camille Cowley, Title selection in progress
In process	Corinne Loveridge, Title selection in progress
In process	Mikayla Madsen, Title selection in progress
2019	Tanner Low, <i>Kinematic and acoustic vowel changes in bite block speech</i>
2019	Mollie McCurdy, <i>A large-scale clustered randomized control trial examining the effects of a multi-tiered oral narrative language intervention on kindergarten oral and written narratives and oral expository language.</i>
2019	Kacy Chapman, <i>The effects of distracting background audio on spontaneous speech.</i>
2019	Dana Pierce, <i>Mismatch negativity event related potential elicited by speech stimuli in geriatric patients.</i>
2019	Camille Stanley, <i>Phonological processing in children with dyslexia: Analyzing nonword repetition error types.</i>
2019	Michelle Richins, <i>Articulatory kinematic compensation for a bite block during diphthong production.</i>
2018	Janae Christensen, <i>The association between articulator movement and formant histories in diphthongs across speaking contexts.</i>
2018	Samantha Taylor, <i>Acoustic correlates of aging and familial relationship.</i>
2018	Madison McHaley, <i>Articulatory kinematic differences during adaptation to a bite block.</i>
2018	Melissa Inkley, <i>Effects of Divided Attention on Speech in Parkinson's Disease.</i>
2017	Yuting Ruby Li, <i>ESL learner experience using electropalatographic biofeedback.</i>
2017	Braden Chase, <i>An acoustical analysis of the American English /l, r/ contrast as produced by adult Japanese learners of English incorporating word position and task type.</i>
2017	Katy Glenn, <i>Effects of conversational modalities on driving and speaking performance.</i>
2017	Sarah Ralph, <i>Development of word recognition materials for native Cebuano speakers.</i>
2017	Brittni Brewer, <i>Effect of speaker age and dialect on listener perceptions of personality.</i>
2016	Kelsey Simmons, <i>Bidirectional interference between simulated driving and speaking.</i>
2016	Melissa Anderson, <i>Development of psychometrically equivalent speech recognition threshold materials for native Cebuano speakers.</i>
2016	Laurie Chamberlain, <i>Mean length of utterance and developmental sentence scoring in the analysis of children's language samples.</i>
2016	Katie Walker, <i>Modeling children's organization of utterances using statistical information from parental input.</i>
2016	Elise Hunter, <i>Speech adaptation to kinematic recording sensors.</i>
2016	Sara Janis, <i>A comparison of manual and automated grammatical precoding on the accuracy of automated developmental sentence scoring.</i>
2015	Panika Palmer, <i>Changes in acoustic and kinematic articulatory working space across three intensity levels.</i>
2015	Emily Berardi, <i>A model of children's acquisition of grammatical word categories from adult input using an adaptation and selection algorithm.</i>
2015	Andrea Nielson Hughes, <i>Automated grammatical tagging of clinical language samples with and without SALT coding.</i>
2015	Michelle Chatterton, <i>External validity of grammatical word category classification using an adaptation and selection model.</i>
2015	Nicole Stenquist, <i>Modeling children's acquisition of grammatical word categories from adult input using an adaptation and selection algorithm.</i>

- 2015 Rachael Winecki, *Precoding and the accuracy of automated analysis of child language samples.*
- 2014 Claire Hanson, *Development of speech recognition threshold and word recognition materials for native Vietnamese speakers.*
- 2014 Victoria Lovett, *Voice features of Sjögren's syndrome: Examination of relative fundamental frequency (RFF) during connected speech.*
- 2014 Alison Miner, *Quantifying voice change after hydration treatment in Primary Sjogren's syndrome using the Cepstral Spectral Index of Dysphonia.*
- 2014 Sarah Cluff, *A model of grammatical category acquisition using adaptation and selection.*
- 2014 Teresa Young, *A model of children's acquisition of grammatical word categories using an adaptation and selection algorithm.*
- 2014 Camille Judd, *A model of grammatical category acquisition in the Spanish language using adaptation and selection.*
- 2014 Jessica Tavizon, *The Spanish language proficiency of sequential bilingual children and the Spanish-English language proficiency scale.*
- 2014 Sarah Scott, *Comparing speech movements in different types of noise.*
- 2013 Hillary Benton, *Brain imaging of event related potentials in children with language impairment.*
- 2013 Karin Caswell, *Test-retest reliability of speech recognition threshold materials in individuals with a wide range of hearing abilities.*
- 2013 Lyndsy Smith, *Brain mapping of the mismatch negativity response to vowel variances of natural and synthetic phonemes.*
- 2013 Meghan Grange, *Test-retest reliability of word recognition testing in individuals with a wide range of hearing abilities.*
- 2013 Dallin Bailey, *The effect of age on speech motor performance during divided attention*
- 2013 Erika Ehlert, *Automated identification of relative clauses in language samples*
- 2013 Kelsey Boyce, *Effects of syntactic complexity on speech motor performance*
- 2013 Brittany Brown, *Automated identification of adverbial clauses in child language samples.*
- 2012 Tyson Harmon, *Accuracy of automated grammatical tagging of narrative language samples from Spanish-speaking children.*
- 2012 Emily Redd, *The effect of an artificially flattened fundamental frequency contour of intelligibility in speakers with Dysarthria.*
- 2012 Elizabeth Perry, *Brain mapping of the mismatch negativity response in vowel formant processing.*
- 2012 Katherine Bigelow, *Reliability of the mean length of utterance measure in samples of children's language.*
- 2012 Darrell Matthews, *Perceptual, acoustic, and kinematic effects of sentence-initial, single-phoneme prolongation in people who do and do not stutter.*
- 2012 Christine Scoville, *Noun clauses in clinical child language samples.*
- 2012 Brandon Taylor, *Development of psychometrically equivalent speech audiometry materials for measuring speech recognition thresholds in native Tagalog speakers.*
- 2010 Maria Burnham, *Normal masking level difference parameters for use in the clinical evaluation of auditory processing disorders.*
- 2010 Stephanie Shaw, *Frequency response of synthetic vocal fold models with linear and nonlinear material properties.*
- 2010 Gwi-ok Jang, *The relationship between acoustic and kinematic measures of diphthong production.*
- 2010 Melissa Crandall, *The ELAN event-related potential in children 5 to 12 years of age.*
- 2010 Jennifer Newman, *Development of speech reception threshold materials for native speakers of Samoan.*

- 2010 Emma Kruger, *Samoan speech audiometry: Developing word recognition materials for native speakers of Samoan.*
- 2010 Skylee Neff, *Brain Mapping of the MMN and P300 in Speech and Nonspeech Stimulus Processing.*
- 2010 Kristen Bjorkman, *Test-retest reliability and variability of language in persons with and without Multiple Sclerosis.*
- 2010 Kaylene Barrett, *Accuracy of English speakers administering WRS tests in Mandarin.*
- 2009 Laurie Madsen, *The N400 event-related potential in children across sentence types and ear condition.*
- 2009 Kyla Tree, *The P600 Event-Related Potential Across Ages and Ear Conditions.*
- 2009 Laura Wilde, *A comparison of seven automated measures of syntactic complexity.*
- 2009 Stacy Minch, *Validity of seven syntactic analyses performed by the computerized profiling software.*
- 2009 Lauren Allen, *The effects of intensive lower limb training on the speech of patients with Parkinson's disease.*
- 2009 Britney Manning, *Automated identification of noun clauses in clinical language samples.*
- 2009 Leslie Leatham, *Associations between linguapalatal contact patterns and spectral moments for /s/.*
- 2009 Valerie Haslam, *Psychometrically equivalent monosyllabic words for word recognition testing in Mongolian.*
- 2009 Kristi Hollis, *The effect of fatigue on acoustic measures of diphthongs in individuals with multiple sclerosis.*
- 2009 Katherine King, *Syntactic complexity in language of persons with Multiple Sclerosis.*
- 2009 Marjorie Smith, *Phonemic categorization in eight-to-ten-year olds with articulation disorders.*
- 2009 Jessica Clark, *Automated grammatical tagging of adverbial clauses in child language samples.*
- 2009 Anna Taylor, *Psychometrically equivalent bisyllabic word-lists for word recognition testing in Spanish.*
- 2009 Rachelle Nevitt, *The effect of mass lesions on vocal fold movement dynamics using a mechanical model of the vocal folds.*
- 2008 Laurel Keller, *Psychometrically equivalent trisyllabic words for speech reception threshold testing in Spanish.*
- 2008 Lara Goldie, *The relationship between emotion understanding and reticence in children with Language Impairment.*
- 2008 Chela Williams, *Psychometrically equivalent Thai monosyllabic word recognition materials spoken by male and female talkers.*
- 2008 Noel Quist, *Performance on natural dissemblance tasks in 7-11 year-old, language-impaired and typically developing children.*
- 2008 Lisa Bunker, *Development of Tongan materials for determining speech reception thresholds.*
- 2008 Erin Bjarnason, *The effects of deep brain stimulation on the speech of patients with Parkinson's disease.*
- 2008 Nathan Richardson, *The effect of non-native dialect on speech reception threshold for native Mandarin speakers.*
- 2007 Alyse Kemeny, *Split-half reliability of MLU and MLU2 in two methods of utterance segmentation.*
- 2007 Karen Hart, *The impact of vocal function exercises on normal voice production.*
- 2007 Meghan Baldrige, *Social outcomes of students with language impairment: An eight-year follow-up study.*
- 2007 Marybeth Sanders, *Inter- and intra-speaker variability: A palatometric study.*
- 2007 Jennifer Johnson, *Effects of delayed auditory feedback on the Bereitschaftspotential.*

- 2007 Misty Kim, *Psychometrically equivalent trisyllabic words for speech reception threshold testing in Cantonese.*
- 2007 Melissa Halliday, *Narrative discourse skills of children with Spina Bifida and Hydrocephalus.*
- 2006 Jaden Hellewell, *Neurophysiologic and behavioral measures of phonetic perception in adult second language learners of Spanish.*
- 2006 Carrie Judson, *Accuracy of new edition of automated developmental sentence scoring, DSS-A.*
- 2006 Lisa Mullins, *Hearing health in Utah Special Olympics athletes compared to Special Olympics athletes worldwide: A prevalence study in individuals with intellectual disabilities.*
- 2006 Rose Ratcliff, *Psychometrically equivalent bisyllabic words for speech reception threshold testing in Arabic.*
- 2006 Nikki Redd, *Automated grammatical analysis of language samples from Spanish-speaking children learning English.*
- 2006 Maida Robertson, *Psychometrically equivalent Arabic monosyllabic word recognition materials.*
- 2005 Lara-Jill Jennings, *Psychometrically equivalent digital recordings for speech audiometry testing in Mandarin Chinese: Beijing dialect.*
- 2005 Rich Torgerson (Asian Languages), *A comparison of Beijing and Taiwan Mandarin tone register: An acoustic analysis of three native speech styles.*
- 2005 Jessica Wagner, *The correlation of lip shape measures and tongue contact patterns.*
- 2005 Petrea Nohr, *An evaluation of a 3-D magnetic tracking system for measuring tongue movements.*
- 2004 Lynn Watkins, *How individuals with Parkinson Disease modify their speech in a repetition for clarification.*
- 2004 Tara Hansen, *Auditory and visual electrophysiological correlates of the processing of gapping structures in adults.*
- 2004 Cindy Wheeler, *Intra speaker kinematic differences in bilingual Spanish-English and Korean-English young adults.*
- 2004 Kim Batt, *Entrainment of vocal tremor through artificial stimulation.*

Professional Service

Session Chair, 2017 Phonetics Teaching and Learning Conference, University College of London.

Organizing committee – *Issues in Culturally and Linguistically Diverse Populations*, 2013 American Speech-Language and Hearing Association Convention.

Organizing committee – *Issues in Culturally and Linguistically Diverse Populations*, 2012 American Speech-Language and Hearing Association Convention.

Session Co-chair, 153rd Meeting of the Acoustical Society of America.

Organizing committee – Speech Communication Division, 153rd Meeting of the Acoustical Society of America.

Ad-hoc reviewer for the Journal of Speech Language and Hearing Research

Ad-hoc reviewer for the American Journal of Speech-Language Pathology

Ad-hoc reviewer for the Journal of the Acoustical Society of America

Ad-hoc reviewer for the Biomedical Signal Processing and Control

Ad-hoc reviewer for the International Journal of Audiology

Ad-hoc reviewer for the Journal of Phonetics

Textbook Reviewer for Delmar Cengage Learning

Textbook Reviewer for Merrill Prentice Hall

Textbook Reviewer for Lippincott Williams & Wilkins

McKay School of Education Commencement Reader

Clinical Certifications

Certification of Clinical Competence (CCC-SLP) from the American Speech-Language-Hearing Association (ASHA).

Utah State license of clinical practice in Speech-Language pathology.

Professional Affiliations

International Phonetic Association

The American Speech-Language and Hearing Association

Full member of the Acoustical Society of America

International Association of Chinese Linguistics (2001 – 2003)

(updated October, 2019)