

Curriculum Vitae

Shawn L. Nissen
Department of Communication Disorders
Brigham Young University
138 TLRB, Provo, Utah 84602
(801) 422-5056
shawn_nissen@byu.edu

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

26. Nissen, S. L., Peris, M. E., & Tanner, K. (in press). An intensive boot camp approach to the
remediation of speech sound disorders: A case report. *Speech, Language, and Hearing*.
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

- Nissen, S. L., Randle, Q., Johnson, J. L., & Lynnes, J. (in review). Prosodic elements of content delivery in broadcast journalism: A quantitative study of vocal pitch. *Journal of Broadcasting and Electronic Media*.
- Smith, L. C., & Nissen, S. L. (in review). Do Students Make More Pronunciation Improvements Living in German Foreign Language Housing than Studying In Class? *Foreign Language Housing*, edited by Jennifer Brown.

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

- 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 adaption 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

- 2018 – present Graduate Coordinator – Department of Communication Disorders
- 2016 – present Educator Preparation Program – Advanced Program Counsel - member
- 2006 – present Department of Communications Disorders Diversity Committee - chair
- 2003 – present Department of Communications Disorders Admissions Committee
- 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]
In process	Kallie Chaves, [topic selection in progress]
2018	Elizabeth Cope, <i>The Influence of Task Type of Speech Production by Second Language Learners of German: An Electropalatographic Study.</i>
2018	Lindsey Wing, <i>Native Mandarin speakers' production of English fricatives as a function of linguistic task type and word position: A spectral moment analysis.</i>
2018	Rachel Zitting, <i>Perceptual proficiency ratings of obstruent productions in L2 learners of English as a function of task type, word position, and listener expertise.</i>
2017	Kasey Duffield, <i>Perceptual analysis of children's adaptation to an electropalatography sensor.</i>
2017	Kate Lester, <i>Quantifying lingua-palatal contact patterns of obstruent productions by non-native students enrolled in a university German learning course: An electropalatographic study.</i>
2015	Lisa Isaacson, <i>Establishing normative data for contact patterns of fricative production by native German speakers.</i>
2015	Kara Klc, <i>Monophthongal vowel production in females with Primary Sjögren's syndrome following a hydration treatment of nebulized saline</i>
2014	Keri Nelson, <i>The effects of nebulized saline treatments on diphthongal vowel production on female subjects with Sjögren's syndrome</i>
2014	Kara Knapp, <i>Children's adaptation to electropalatography: Evidence from acoustic analysis of /t/ and /k/</i>
2014	Marissa Purser, <i>Speech adaptation to electropalatography in children's productions of /s/ and /ʃ/</i>
2013	Melanie Peris, <i>Remediating interdental /s/ in a school-aged child using a multimodal bootcamp approach</i>
2013	Kristina Pickett, <i>The efficacy of using electropalatometry to remediate developmental articulation disorders in school-aged children with hearing impairment</i>
2012	Benjamin Marshall, <i>The correlation between spectral moment measures and electropalatographic contact patterns for /s/ and /ʃ/</i>
2012	Janelle Barrett, <i>The correlation between spectral moment measures and electropalatometric contact patterns for /t/ and /k/</i>
2012	Nicole Clover, <i>An acoustic analysis of elements of contrastive stress produced by 8 to 10-year-old children</i>
2011	Sharalee Blunck, <i>Listeners' ability to identify the gender of preadolescent children across multiple linguistic contexts.</i>
2011	Lacey Powell, <i>The effects of gender and elicitation method on the prosodic cues utilized by 7 to 11 year-old children in the question-statement contrast.</i>
2010	Anita Dromey, <i>An acoustic and perceptual investigation of contrastive stress in children.</i>
2009	Meghan Caldwell, <i>Development of psychometrically equivalent speech audiometry materials for testing children in Mongolian.</i>

- 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 Tanner Low, Title selection in progress
- In process Corinne Loveridge, Title selection in progress
- In process Mikayla Madsen, Title selection in progress
- In process Courtney Nielsen, Title selection in progress
- In process Mollie McCurdy, Title selection in progress
- In process Kacy Chapman, Title selection in progress
- In process Dana Pierce, Title selection in progress
- In process Camille Stanley, Title selection in progress
- In process Michelle Richins, Title selection in progress
- 2018 Janae Christensen, *The association between articulator movement and formant histories in diphthongs across speaking contexts.*
- 2018 Samantha Taylor, *Acoustic correlates of aging and familial relationship.*
- 2018 Madison McHaley, *Articulatory kinematic differences during adaptation to a bite block.*
- 2018 Melissa Inkley, *Effects of Divided Attention on Speech in Parkinson's Disease.*
- 2017 Yuting Ruby Li, *ESL learner experience using electropalatographic biofeedback.*
- 2017 Braden Chase, *An acoustical analysis of the American English /l, r/ contrast as produced by adult Japanese learners of English incorporating word position and task type.*
- 2017 Katy Glenn, *Effects of conversational modalities on driving and speaking performance.*
- 2017 Sarah Ralph, *Development of word recognition materials for native Cebuano speakers.*
- 2017 Brittni Brewer, *Effect of speaker age and dialect on listener perceptions of personality.*

- 2016 Kelsey Simmons, *Bidirectional interference between simulated driving and speaking.*
- 2016 Melissa Anderson, *Development of psychometrically equivalent speech recognition threshold materials for native Cebuano speakers.*
- 2016 Laurie Chamberlain, *Mean length of utterance and developmental sentence scoring in the analysis of children's language samples.*
- 2016 Katie Walker, *Modeling children's organization of utterances using statistical information from parental input.*
- 2016 Elise Hunter, *Speech adaptation to kinematic recording sensors.*
- 2016 Sara Janis, *A comparison of manual and automated grammatical precoding on the accuracy of automated developmental sentence scoring.*
- 2015 Panika Palmer, *Changes in acoustic and kinematic articulatory working space across three intensity levels.*
- 2015 Emily Berardi, *A model of children's acquisition of grammatical word categories from adult input using an adaptation and selection algorithm.*
- 2015 Andrea Nielson Hughes, *Automated grammatical tagging of clinical language samples with and without SALT coding.*
- 2015 Michelle Chatterton, *External validity of grammatical word category classification using an adaptation and selection model.*
- 2015 Nicole Stenquist, *Modeling children's acquisition of grammatical word categories from adult input using an adaptation and selection algorithm.*
- 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 linguopalatal 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 Rachele 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 Jan, 2019)