

CHRISTIAN E. STILP

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Last Updated: 4/16/24

EMPLOYMENT

- 2018-Present Associate Professor
2012-2018 Assistant Professor
Director, Auditory Perception and Processing Laboratory
Department of Psychological and Brain Sciences
University of Louisville, Louisville, KY
- 2011-2012 Research Associate
Natural Perception Laboratory, Principal Investigator: Michael Lewicki, Ph.D.
Case Western Reserve University, Cleveland, OH
- 2004-2011 Graduate Research Assistant
Wisconsin Speech Perception Laboratory, Principal Investigator: Keith Kluender, Ph.D.
Infant Learning Laboratory, Principal Investigator: Jenny Saffran, Ph.D.
University of Wisconsin, Madison, WI

EDUCATION

- 2011 Ph.D. (Perceptual Psychology), University of Wisconsin, Madison, WI
Minor: Computational Sensory Neuroscience
Dissertation: "Efficient coding in perception of complex sounds"
- 2003 B.S. (Psychology), University of Wisconsin, Madison, WI

HONORS AND AWARDS

- 2022-2023 Student Champion, University of Louisville (also 2020-2021)
2019-2020 Faculty Favorite nominee, University of Louisville Delphi Center (also 2018-2019, 2015-2016, 2014-2015)
2018 Early Career Travel Subsidy, Acoustical Society of America
2011 Vilas Conference Presentation Award, University of Wisconsin Graduate School
2011 Travel Award, University of Wisconsin Department of Psychology (also 2010, 2009, 2007)
2011 Menzies and Royalty Research Award, University of Wisconsin Department of Psychology (also 2010)
2010 Honored Instructor Award, University of Wisconsin Division of University Housing
2009 Vilas Travel Grant, University of Wisconsin Graduate School
2008 Marian Schwartz Fellowship in Experimental Psychology, University of Wisconsin

Department of Psychology

GRANTS

Federal

National Institutes of Health: National Institute on Deafness and Communicative Disorders
"Perception of Speech in Context by Listeners with Healthy and Impaired Hearing" (R01DC020303,
\$1,495,274)

Role: PI (Co-PI: Matthew Winn)

Dates: 9/22/2022 - 7/31/2027

National Institutes of Health: National Institute on Deafness and Communicative Disorders
"Sensitivity to Spectral Cues in Infant Speech Perception" (F31DC009532)

Role: PI (Co-Sponsors: Jenny Saffran, Keith Kluender)

Dates: 7/1/2008 - 6/30/2011

Internal

Office of Research Development and Strategic Initiatives Programmatic Support Grant
"Development of Expertise in Perception of Speech and Music" (\$3,000)

Role: PI

Dates: 7/1/2022 - 6/30/2023

Executive Vice President for Research and Innovation (EVPRI) Internal Research Grant
"Understanding How Recently Heard Sounds Bias Perception of Speech Sounds" (\$2,994)

Role: PI

Dates: 1/1/2017 - 12/31/2017 (no cost extension to 6/30/2018)

JOURNAL ARTICLES (* = supervised student author)

41. King, C.J.*, Sharpe, C.M.*, Shorey, A.E.*, & **Stilp, C.E.** (2024). The effects of variability on context effects and psychometric function slopes in speaking rate normalization. *Journal of the Acoustical Society of America*, 155(3), 2099-2113. doi: [10.1121/10.0025292](https://doi.org/10.1121/10.0025292)

40. Shorey, A.E.*¹, King, C.J.*¹, Whiteford, K.L., & **Stilp, C.E.** (2024). Musical training is not associated with categorization of musical instrument sounds in context. *Attention, Perception, & Psychophysics*. doi: [10.3758/s13414-023-02839-6](https://doi.org/10.3758/s13414-023-02839-6)

¹ Joint first-authors

39. **Stilp, C.E.** & Chodroff, E. (2023). "Please say what this word is": Linguistic experience and acoustic context interact in vowel categorization. *JASA Express Letters*, 3, 085203. doi: [10.1121/10.0020558](https://doi.org/10.1121/10.0020558)

38. Shorey, A.E.*, King, C.J.*, Theodore, R.M., & **Stilp, C.E.** (2023). Talker adaptation or "talker" adaptation? Musical instrument variability impedes pitch perception. *Attention, Perception & Psychophysics*, 85, 2488-2501. doi: [10.3758/s13414-023-02722-4](https://doi.org/10.3758/s13414-023-02722-4)

37. Kahloon, L.S.*, Shorey, A.E.*, King, C.J.*, & **Stilp, C.E.** (2023). Clear speech promotes speaking rate normalization. *JASA Express Letters*, 3(5), 055205. doi: [10.1121/10.0019499](https://doi.org/10.1121/10.0019499)

36. Shorey, A.E.* & **Stilp, C.E.** (2023). Short-term, not long-term, average spectra of preceding sentences bias consonant categorization. *Journal of the Acoustical Society of America*, 153(4), 2426-2435. doi: [10.1121/10.0017862](https://doi.org/10.1121/10.0017862)
35. Hatter, E.R.*, King, C.J.*, Shorey, A.E.*, & **Stilp, C.E.** (2022). Clearly, fame isn't everything: Talker familiarity does not augment talker adaptation. *Attention, Perception & Psychophysics*, 1-14. doi: [10.3758/s13414-022-02615-y](https://doi.org/10.3758/s13414-022-02615-y)
34. **Stilp, C.E.**, Shorey, A.E.*, & King, C.J.* (2022). Nonspeech sounds are not all equally good at being nonspeech. *Journal of the Acoustical Society of America*, 152(3), 1842-1849. doi: [10.1121/10.0014174](https://doi.org/10.1121/10.0014174)
33. Mills, H.E.*, Shorey, A.E.*, Theodore, R.M., & **Stilp, C.E.** (2022). Context effects in perception of vowels differentiated by F_1 are not influenced by variability in talkers' mean F_1 or F_3 . *Journal of the Acoustical Society of America*, 152(1), 55-66. doi: [10.1121/10.0011920](https://doi.org/10.1121/10.0011920)
32. **Stilp, C.E.** (2021). Parameterizing spectral contrast effects in vowel categorization using noise contexts. *Journal of the Acoustical Society of America*, 180(5), 2806-2816. doi: [10.1121/10.0006657](https://doi.org/10.1121/10.0006657)
31. **Stilp, C.E.** & Assgari, A.A.* (2021). Contributions of natural signal statistics to spectral context effects in consonant categorization. *Attention, Perception, & Psychophysics*, 83, 2694-2708. doi: [10.3758/s13414-021-02310-4](https://doi.org/10.3758/s13414-021-02310-4)
30. **Stilp, C.E.** (2020). Evaluating peripheral versus central contributions to spectral context effects in speech perception. *Hearing Research*, 392, 107983. doi: [10.1016/j.heares.2020.107983](https://doi.org/10.1016/j.heares.2020.107983)
29. **Stilp, C.E.** & Theodore, R.M. (2020). Talker normalization is mediated by structured indexical information. *Attention, Perception, & Psychophysics*, 82, 2237-2243. doi: [10.3758/s13414-020-01971-x](https://doi.org/10.3758/s13414-020-01971-x)
28. Lanning, J.M.* & **Stilp, C.E.** (2020). Natural music context biases musical instrument categorization. *Attention, Perception, & Psychophysics*, 82, 2209-2214. doi: [10.3758/s13414-020-01980-w](https://doi.org/10.3758/s13414-020-01980-w)
27. **Stilp, C.E.** (2020). Acoustic context effects in speech perception. *Wiley Interdisciplinary Reviews: Cognitive Science*, 11(1), 1-18. doi: [10.1002/wcs.1517](https://doi.org/10.1002/wcs.1517)
26. **Stilp, C.E.** (2019). Auditory enhancement and spectral contrast effects in speech perception. *Journal of the Acoustical Society of America*, 146(2), 1503-1517. doi: [10.1121/1.5120181](https://doi.org/10.1121/1.5120181)
25. **Stilp, C.E.** & Assgari, A.A.* (2019). Natural signal statistics shift speech sound categorization. *Attention, Perception, & Psychophysics*, 81(6), 2037-2052. doi: [10.3758/s13414-018-01659-3](https://doi.org/10.3758/s13414-018-01659-3)
24. Kluender, K.R., **Stilp, C.E.**, & Llanos, F. (2019). Long-standing problems in speech perception dissolve within an information-theoretic perspective. *Attention, Perception, & Psychophysics*, 81(4), 861-883. doi: [10.3758/s13414-019-01702-x](https://doi.org/10.3758/s13414-019-01702-x)
23. Frazier, J.M.*, Assgari, A.A.*, & **Stilp, C.E.** (2019). Musical instrument categorization is highly sensitive to spectral properties of earlier sounds. *Attention, Perception, & Psychophysics*, 81(4), 1119-1126. doi: [10.3758/s13414-019-01675-x](https://doi.org/10.3758/s13414-019-01675-x)

22. Assgari, A.A.*, Theodore, R.M., & **Stilp, C.E.** (2019). Variability in talkers' fundamental frequencies shapes context effects in speech perception. *Journal of the Acoustical Society of America*, 145(3), 1443-1454. doi: [10.1121/1.5093638](https://doi.org/10.1121/1.5093638)
21. **Stilp, C.E.** & Assgari, A.A.* (2018). Perceptual sensitivity to spectral properties in earlier sounds during speech categorization. *Attention, Perception, & Psychophysics*, 80(5), 1300-1310. doi: [10.3758/s13414-018-1488-9](https://doi.org/10.3758/s13414-018-1488-9)
20. **Stilp, C.E.**, Kiefte, M., & Kluender, K.R. (2018). Discovering acoustic structure of novel sounds. *Journal of the Acoustical Society of America*, 143(4), 2460-2473. doi: [10.1121/1.5031018](https://doi.org/10.1121/1.5031018)
19. **Stilp, C.E.** (2017). Acoustic context alters vowel categorization in perception of noise-vocoded speech. *Journal of the Association for Research in Otolaryngology*, 18(3), 465-481. doi: [10.1007/s10162-017-0615-y](https://doi.org/10.1007/s10162-017-0615-y)
18. **Stilp, C.E.**, & Assgari, A.A.* (2017). Consonant categorization exhibits graded influence of surrounding spectral context. *Journal of the Acoustical Society of America*, 141(2), EL153-EL158. doi: [10.1121/1.4974769](https://doi.org/10.1121/1.4974769)
17. Llanos, F., Alexander, J.M., **Stilp, C.E.**, & Kluender, K.R. (2017). Spectral entropy as an information-theoretic correlate of manner of articulation in American English. *Journal of the Acoustical Society of America*, 141(2), EL127-EL133. doi: [10.1121/1.4976109](https://doi.org/10.1121/1.4976109)
16. **Stilp, C.E.**, Donaldson, G., Oh, S., & Kong, Y.-Y. (2016). Influences of noise-interruption and information-bearing acoustic changes on understanding simulated electric-acoustic speech. *Journal of the Acoustical Society of America*, 140(5), 3971-3979. doi: [10.1121/1.4967445](https://doi.org/10.1121/1.4967445)
15. **Stilp, C.E.**, Anderson, P.W.*, Assgari, A.A.*, Ellis, G.M., & Zahorik, P. (2016). Speech perception adjusts to reliable spectrotemporal properties in the listening environment. *Hearing Research*, 341, 168-178. doi: [10.1016/j.heares.2016.08.004](https://doi.org/10.1016/j.heares.2016.08.004)
14. **Stilp, C.E.**, & Kluender, K.R. (2016). Stimulus statistics change sounds from near-indiscriminable to hyperdiscriminable. *PLoS ONE* 11(8): e0161001. doi: [10.1371/journal.pone.0161001](https://doi.org/10.1371/journal.pone.0161001)
13. Assgari, A.A.*, & **Stilp, C.E.** (2015). Talker information influences spectral contrast effects in speech categorization. *Journal of the Acoustical Society of America*, 138(5), 3023-3032. doi: [10.1121/1.4934559](https://doi.org/10.1121/1.4934559)
12. **Stilp, C.E.**, Anderson, P.W.*, & Winn, M.B. (2015). Predicting contrast effects following reliable spectral properties in speech perception. *Journal of the Acoustical Society of America*, 137(6), 3466-3476. doi: [10.1121/1.4921600](https://doi.org/10.1121/1.4921600)
11. **Stilp, C.E.**, & Goupell, M.J. (2015). Spectral and temporal resolution of information-bearing acoustic changes for understanding vocoded sentences. *Journal of the Acoustical Society of America*, 137(2), 844-855. doi: [10.1121/1.4906179](https://doi.org/10.1121/1.4906179)
10. **Stilp, C.E.**, & Anderson, P.W.* (2014). Modest, reliable spectral peaks in preceding sounds influence vowel perception. *Journal of the Acoustical Society of America*, 136(5), EL383-EL389. doi: [10.1121/1.4898741](https://doi.org/10.1121/1.4898741)
9. **Stilp, C.E.** (2014). Information-bearing acoustic change outperforms duration in predicting

intelligibility of full-spectrum and noise-vocoded sentences. *Journal of the Acoustical Society of America*, 135(3), 1518-1529. doi: [10.1121/1.4863267](https://doi.org/10.1121/1.4863267)

8. **Stilp, C.E.**, Goupell, M.J., & Kluender, K.R. (2013). Speech perception in simulated electric hearing exploits information-bearing acoustic change. *Journal of the Acoustical Society of America*, 133(2), EL136-EL141. doi: [10.1121/1.4776773](https://doi.org/10.1121/1.4776773)

7. **Stilp, C.E.**, & Kluender, K.R. (2012). Efficient coding and statistically optimal weighting of covariance among acoustic attributes in novel sounds. *PLoS ONE* 7(1): e30845. doi: [10.1371/journal.pone.0030845](https://doi.org/10.1371/journal.pone.0030845)

6. **Stilp, C.E.**, & Kluender, K.R. (2011). Non-isomorphism in efficient coding of complex sound properties. *Journal of the Acoustical Society of America*, 130(5), EL352-EL357. doi: [10.1121/1.3647264](https://doi.org/10.1121/1.3647264)

5. **Stilp, C.E.** (2011). The redundancy of phonemes in sentential context. *Journal of the Acoustical Society of America*, 130(5), EL323-EL328. doi: [10.1121/1.3645966](https://doi.org/10.1121/1.3645966)

4. **Stilp, C.E.**, Rogers, T.T., & Kluender, K.R. (2010). Rapid efficient coding of correlated complex acoustic properties. *Proceedings of the National Academy of Science*, 107(50), 21914-21919. doi: [10.1073/pnas.1009020107](https://doi.org/10.1073/pnas.1009020107)

3. **Stilp, C.E.**, Kiefte, M., Alexander, J.M., & Kluender, K.R. (2010). Cochlea-scaled spectral entropy predicts rate-invariant intelligibility of temporally distorted sentences. *Journal of the Acoustical Society of America*, 128(4), 2112-2126. doi: [10.1121/1.3483719](https://doi.org/10.1121/1.3483719)

2. **Stilp, C.E.**, & Kluender, K.R. (2010). Cochlea-scaled spectral entropy, not consonants, vowels, or time, best predicts speech intelligibility. *Proceedings of the National Academy of Science*, 107(27), 12387-12392. doi: [10.1073/pnas.0913625107](https://doi.org/10.1073/pnas.0913625107)

1. **Stilp, C.E.**, Alexander, J.M., Kiefte, M., & Kluender, K.R. (2010). Auditory color constancy: Calibration to reliable spectral properties across speech and nonspeech contexts and targets. *Attention, Perception & Psychophysics*, 72(2), 470-480. doi: [10.3758/APP.72.2.470](https://doi.org/10.3758/APP.72.2.470)

CHAPTERS

3. Winn, M.B., & **Stilp, C.E.** (2019). "Phonetics and the auditory system." In W. Katz & P. Assmann (Eds.) *The Routledge Handbook of Phonetics*, (New York: Routledge), pp. 164-192.

2. **Stilp, C.E.** (2017). "Speech". In: John Stein, J.S. (Ed.) *Reference Module in Neuroscience and Biobehavioral Psychology*, (Elsevier), pp. 1-13.

1. Kluender, K.R., **Stilp, C.E.**, & Kiefte, M. (2013). "Perception of vowel sounds within a biologically realistic model of efficient coding". In G. Morrison & P. Assmann (Eds.) *Vowel Inherent Spectral Change*, (Springer, Berlin), pp. 117-151.

REFEREED PROCEEDINGS

4. **Stilp, C.E.** & Alexander, J.M. (2016). Spectral contrast effects in vowel categorization by listeners with sensorineural hearing loss. *Proceedings of Meetings on Acoustics*, 26, 060003. doi: [10.1121/2.0000233](https://doi.org/10.1121/2.0000233)

3. **Stilp, C.E.**, & Assgari, A.A.* (2015). Languages across the world are efficiently coded by the auditory system. *Proceedings of Meetings on Acoustics*, 23, 060003. doi: [10.1121/2.0000064](https://doi.org/10.1121/2.0000064)

2. **Stilp, C.E.**, & Lewicki, M.S. (2014). Statistical structure of speech sound classes is congruent with cochlear nucleus response properties. *Proceedings of Meetings on Acoustics*, 20, 050001. doi: [10.1121/1.4865250](https://doi.org/10.1121/1.4865250)

1. Jiang, Y., **Stilp, C.E.**, & Kluender, K.R. (2013). Cochlea-scaled entropy predicts intelligibility of Mandarin Chinese sentences. *Proceedings of Meetings on Acoustics*, 18, 060006. doi: [10.1121/1.4807399](https://doi.org/10.1121/1.4807399)

MANUSCRIPTS UNDER REVIEW / IN PREPARATION (ALL DATA COLLECTED)

Stilp, C.E., Adames, I.*, & Shorey, A.E.* (in preparation). Multiple timescales of context shape perceptual sensitivity to common pairings of musical pitch and timbre.

Shorey, A.E.* & **Stilp, C.E.** (in preparation). Comparing perceptual benefits from musical experience to those from native language speech experience.

PUBLISHED ABSTRACTS (CONFERENCE PRESENTATIONS)

68. **Stilp, C.E.** (2024, May). "What do voices contribute to acoustic context effects in speech perception?" Invited paper to be presented at the 186th Meeting of the Acoustical Society of America, Ottawa, Canada.

67. **Stilp, C.E.**, Adames, I.*, & Shorey, A.E.* (2024, May). "Multiple timescales of context shape the perceptual sensitivity to natural pairings of musical pitch and timbre". Poster to be presented at the 186th Meeting of the Acoustical Society of America, Ottawa, Canada.

66. Shorey, A.E.*, King, C.J.*, & **Stilp, C.E.** (2023, May). "How do perceptual benefits from musical experience compare with those from speech experience?" Poster presented at the 184th Meeting of the Acoustical Society of America, Chicago, Illinois.

65. King, C.J.*, Shorey, A.E.*, & **Stilp, C.E.** (2023, May). "Titrating effects of acoustic variability on context effects and psychometric function slopes in speech categorization". Poster presented at the 184th Meeting of the Acoustical Society of America, Chicago, Illinois.

64. King, C.J.*, Shorey, A.E.*, Whiteford, K.L., & **Stilp, C.E.** (2022, December). "Testing the role of primary musical instrument on context effects in music perception". Paper presented at the 183rd Meeting of the Acoustical Society of America, Nashville, Tennessee.

63. Kahloon, L.S.*, Shorey, A.E.*, King, C.J.*, & **Stilp, C.E.** (2022, December). "Clear speech promotes speaking rate normalization". Poster presented at the 183rd Meeting of the Acoustical Society of America, Nashville, Tennessee.

62. Stephens, D.*, King, C.J.*, Shorey, A.E.*, & **Stilp, C.E.** (2022, December). "Speaking rate normalization with and without segregation of simultaneous context sentences". Poster presented at the 183rd Meeting of the Acoustical Society of America, Nashville, Tennessee.

61. **Stilp, C.E.** & Chodroff, E. (2022, December). "Please say what this word is', in the US and now again in the UK: Dialectal differences in a replication of Ladefoged and Broadbent (1957)". Poster presented at the 183rd Meeting of the Acoustical Society of America, Nashville, Tennessee.
60. Shorey, A.E.*, King, C.J.*, Theodore, R.M., & **Stilp, C.E.** (2022, May). "Talker adaptation or 'talker' adaptation? Exploring the role of musical instrument variability in perceiving pitch". Poster presented at the 182nd Meeting of the Acoustical Society of America, Denver, Colorado.
59. King, C.J.*, Sharpe, C.M.*, Shorey, A.E.*, & **Stilp, C.E.** (2022, May). "Talker and sentence variability attenuates speaking rate normalization in speech perception". Poster presented at the 182nd Meeting of the Acoustical Society of America, Denver, Colorado.
58. Hatter, E.R.*, King, C.J.*, Shorey, A.E.*, & **Stilp, C.E.** (2022, May). "Clearly, fame isn't everything: Talker familiarity does not mitigate the perceptual consequences of talker variability". Poster presented at the 182nd Meeting of the Acoustical Society of America, Denver, Colorado.
57. Reske, K., **Stilp, C.E.**, & Delaney, A.L. (2022, April). "Does oral feeding skill performance contribute to energy intake for 63 typically developing infants 8 to 12 months of age?" Poster presented at the International Pediatric Feeding Disorder Conference, Phoenix, Arizona.
56. Shorey, A.E.*, Whiteford, K.L., & **Stilp, C.E.** (2021, June). "Testing the relationship between musical training and context effects in music perception". Paper presented at the 180th Meeting of the Acoustical Society of America, Acoustics in Focus.
55. **Stilp, C.E.** & Winn, M.B. (2021, February). "The Timecourse and Neural Mechanisms of the Influence of Precursor Spectral Properties on Speech Perception". Poster presented at the 44th Annual MidWinter Meeting of The Association for Research in Otolaryngology.
54. **Stilp, C.E.** (2020, December). "Parameterizing effects of precursor spectral characteristics on categorization of subsequent vowel sounds". Poster presented at the 179th Meeting of the Acoustical Society of America, Acoustics Virtually Everywhere.
53. **Stilp, C.E.** & Winn, M.B. (2020, December). "Effects of silent interstimulus interval duration between precursor and target stimuli on spectral context effects in vowel and consonant categorization". Poster presented at the 179th Meeting of the Acoustical Society of America, Acoustics Virtually Everywhere.
52. **Stilp, C.E.** (2019, May). "An individual differences approach to acoustic context effects in speech categorization". Paper presented at the 177th Meeting of the Acoustical Society of America, Louisville, Kentucky.
51. Davis, R.F.*, Baese-Berk, M.M., & **Stilp, C.E.** (2019, May). "Effects of pitch contour and speaking rate on perception of foreign-accented speech". Poster presented at the 177th Meeting of the Acoustical Society of America, Louisville, Kentucky.
50. Dickey, E.A.* & **Stilp, C.E.** (2019, May). "Effects of talker variability on categorization of spectrally degraded vowels." Poster presented at the 177th Meeting of the Acoustical Society of America, Louisville, Kentucky.

49. Lanning, J.M.* & **Stilp, C.E.** (2019, May). "Earlier music biases subsequent musical instrument categorization." Poster presented at the 177th Meeting of the Acoustical Society of America, Louisville, Kentucky.
48. **Stilp, C.E.** (2018, November). "Short-term, not long-term, average spectra of preceding sentences bias consonant categorization." Poster presented at the 176th Meeting of the Acoustical Society of America, Victoria, British Columbia, Canada.
47. **Stilp, C.E.** (2018, November). "Notches in sentence spectra bias subsequent phoneme categorization." Poster presented at the 176th Meeting of the Acoustical Society of America, Victoria, British Columbia, Canada.
46. Assgari, A.A.* & **Stilp, C.E.** (2018, May). "Trial-to-trial variability in talkers' fundamental frequencies restrains spectral context effects in vowel categorization." Poster presented at the 175th Meeting of the Acoustical Society of America, Minneapolis, Minnesota.
45. Assgari, A.A.*, Frazier, J.M.*, & **Stilp, C.E.** (2018, May). "Musical instrument categorization is highly sensitive to spectral properties of earlier sounds." Paper presented at the 175th Meeting of the Acoustical Society of America, Minneapolis, Minnesota.
44. **Stilp, C.E.** & Assgari, A.A.* (2018, May). "Natural signal statistics and the timecourse of spectral context effects in consonant categorization." Paper presented at the 175th Meeting of the Acoustical Society of America, Minneapolis, Minnesota.
43. **Stilp, C.E.** & Assgari, A.A.* (2017, December). "Filtered and unfiltered sentences produce different spectral context effects in vowel categorization." Poster presented at the 174th Meeting of the Acoustical Society of America, New Orleans, Louisiana.
42. **Stilp, C.E.** (2017, December). "Background noise interacts with spectral context effects during speech categorization." Paper presented at the 174th Meeting of the Acoustical Society of America, New Orleans, Louisiana.
41. Walker, N., **Stilp, C.E.**, Kluender, K.R., Evans, J., & Schepple, M. (2017, November). "Neurobiological mechanisms of efficient encoding: A pilot EEG study." Paper presented at the 9th Meeting of the Society for the Neurobiology of Language, Washington, D.C.
40. Assgari, A.A.*, Theodore, R.M., & **Stilp, C.E.** (2017, June). "Isolating sources of acoustic variability that diminish spectral contrast effects in vowel categorization." Poster presented at the 173rd Meeting of the Acoustical Society of America, Boston, Massachusetts.
39. **Stilp, C.E.** (2016, May). "An information-theoretic approach to understanding interrupted speech." Invited paper presented at the 171st Meeting of the Acoustical Society of America, Salt Lake City, Utah.
38. **Stilp, C.E.**, & Alexander, J.M. (2016, May). "Spectral contrast effects in vowel categorization by listeners with sensorineural hearing loss." Poster presented at the 171st Meeting of the Acoustical Society of America, Salt Lake City, Utah.
37. Assgari, A.A.*, Mohiuddin, A.*, Theodore, R.M., & **Stilp, C.E.** (2016, May). "Dissociating contributions of talker gender and acoustic variability for spectral contrast effects in vowel

categorization." Paper presented at the 171st Meeting of the Acoustical Society of America, Salt Lake City, Utah.

36. **Stilp, C.E.**, Anderson, P.W.*, Assgari, A.A.*, Ellis, G.M., & Zahorik, P. (2015, May). "Reverberation increases perceptual calibration to reliable spectral peaks in speech." Paper presented at the 169th Meeting of the Acoustical Society of America, Pittsburgh, Pennsylvania.

35. **Stilp, C.E.**, & Assgari, A.A.* (2015, May). "Languages across the world are efficiently coded by the auditory system". Poster presented at the 169th Meeting of the Acoustical Society of America, Pittsburgh, Pennsylvania.

34. **Stilp, C.E.**, Donaldson, G., Oh, S., & Kong, Y-Y. (2015, May). "On the importance of information-bearing acoustic changes for understanding speech in simulated electrical-acoustic stimulation". Poster presented at the 169th Meeting of the Acoustical Society of America, Pittsburgh, Pennsylvania.

33. Assgari, A.A.* & **Stilp, C.E.** (2015, May). "Talker normalization and acoustic properties both influence spectral contrast effects in speech perception." Poster presented at the 169th Meeting of the Acoustical Society of America, Pittsburgh, Pennsylvania.

32. Llanos, F., Alexander, J.M., & **Stilp, C.E.** (2015, May). "Shannon entropy predicts the sonority status of natural classes in English." Poster presented at the 169th Meeting of the Acoustical Society of America, Pittsburgh, Pennsylvania.

31. **Stilp, C.E.**, & Assgari, A.A.* (2015, February). "Does the auditory system efficiently code all languages or just American English?" Poster presented at the 38th Annual MidWinter Meeting of the Association for Research in Otolaryngology, Baltimore, Maryland.

30. **Stilp, C.E.** (2015, February). "Reliable spectral properties elicit contrast effects in perception of noise-vocoded speech". Poster presented at the 38th Annual MidWinter Meeting of the Association for Research in Otolaryngology, Baltimore, Maryland.

29. **Stilp, C.E.** (2014, October). "Information-bearing acoustic changes are important for understanding vocoded speech in a simulation of cochlear implant processing strategies". Poster presented at the 168th Meeting of the Acoustical Society of America, Indianapolis, Indiana.

28. **Stilp, C.E.**, & Anderson, P.W.* (2014, October). "Modest, reliable spectral peaks in preceding sounds influence vowel perception". Paper presented at the 168th Meeting of the Acoustical Society of America, Indianapolis, Indiana.

27. Anderson, P.W.*, & **Stilp, C.E.** (2014, October). "Adaptive compensation for reliable spectral characteristics of a listening context in vowel perception." Poster presented at the 168th Meeting of the Acoustical Society of America, Indianapolis, Indiana.

26. **Stilp, C.E.**, & Goupell, M.J. (2014, May). "Defining spectral and temporal resolutions of information-bearing acoustic changes for understanding noise-vocoded sentences". Poster presented at the 167th Meeting of the Acoustical Society of America, Providence, Rhode Island.

25. Anderson, P.W.*, & **Stilp, C.E.** (2014, May). "Defining essential characteristics of reliable spectral properties that elicit spectral contrast effects in vowel identification". Poster presented at the 167th Meeting of the Acoustical Society of America, Providence, Rhode Island.

24. **Stilp, C.E.**, & Goupell, M.J. (2014, February). "Spectral and temporal resolution of information-bearing acoustic changes in vocoded sentences". Poster presented at the 37th Annual MidWinter Meeting of the Association for Research in Otolaryngology, San Diego, California.
23. Anderson, P.W.*, & **Stilp, C.E.** (2014, February). "Perceptual calibration to modest, predictable spectral peaks in precursor sounds influences vowel identification". Poster presented at the 37th Annual MidWinter Meeting of the Association for Research in Otolaryngology, San Diego, California.
22. **Stilp, C.E.** (2013, December). "Information-bearing acoustic change outperforms duration in predicting sentence intelligibility in normal and simulated electric hearing". Paper presented at the 166th Meeting of the Acoustical Society of America, San Francisco, California.
21. **Stilp, C.E.**, & Lewicki, M. (2013, December). "Statistical structure of speech sound classes is congruent with cochlear nucleus response properties". Poster presented at the 166th Meeting of the Acoustical Society of America, San Francisco, California.
20. **Stilp, C.E.**, & Kluender, K.R. (2012, October). "Efficient coding of multiple nonorthogonal redundancies between acoustic dimensions in novel complex sounds". Paper presented at the 164th Meeting of the Acoustical Society of America, Kansas City, Missouri.
19. **Stilp, C.E.**, & Kluender, K.R. (2012, October). "Efficient coding of redundancy among formant frequencies in vowels". Poster presented at the 164th Meeting of the Acoustical Society of America, Kansas City, Missouri.
18. **Stilp, C.E.**, & Kluender, K.R. (2012, October). "Novelty detection of covariance among stimulus attributes in auditory perception". Poster presented at the 164th Meeting of the Acoustical Society of America, Kansas City, Missouri.
17. Jiang, Y., **Stilp, C.E.**, & Kluender, K.R. (2012, October). "Cochlea-scaled entropy predicts intelligibility of Mandarin Chinese sentences". Poster presented at the 164th Meeting of the Acoustical Society of America, Kansas City, Missouri.
16. **Stilp, C.E.**, & Kluender, K.R. (2011, May). "Discrimination of acoustic differences improves with greater dissimilarity to experienced covariance". Paper presented at the 161st Meeting of the Acoustical Society of America, Seattle, Washington.
15. **Stilp, C.E.**, & Kluender, K.R. (2011, May). "Cochlea-scaled entropy predicts speech intelligibility when intensity is scaled as linear amplitude or as loudness, but not when scaled logarithmically". Paper presented at the 161st Meeting of the Acoustical Society of America, Seattle, Washington.
14. **Stilp, C.E.** (2010, November). "The high predictability of speech sounds in sentential context". Poster presented at the 160th Meeting of the Acoustical Society of America, Cancun, Mexico.
13. **Stilp, C.E.**, Rogers, T.T., & Kluender, K.R. (2010, November). "Efficient coding of attenuated correlation among complex acoustic dimensions". Poster presented at the 160th Meeting of the Acoustical Society of America, Cancun, Mexico.
12. **Stilp, C.E.**, Kiefte, M., & Kluender, K.R. (2010, April). "Signal detection as a function of relative acoustic entropy". Paper presented at the 159th Meeting of the Acoustical Society of America, Baltimore, Maryland.

11. **Stilp, C.E.**, Rogers, T.T., & Kluender, K.R. (2009, October). "Efficient coding of correlated complex acoustic dimensions through active listening". Paper presented at the 158th Meeting of the Acoustical Society of America, San Antonio, Texas.
10. **Stilp, C.E.**, & Kluender, K.R. (2009, October). "Potential information predicts sentence intelligibility better than vowels, consonants, or duration". Poster presented at the 158th Meeting of the Acoustical Society of America, San Antonio, Texas.
9. Kluender, K.R., **Stilp, C.E.**, & Rogers, T.T. (2009, May). "Vowel-inherent spectral change enhances adaptive dispersion". Paper presented at the 157th Meeting of the Acoustical Society of America, Portland, Oregon.
8. Kiefte, M., Collins, T., **Stilp, C.E.**, & Kluender, K.R. (2009, May). "Formant-frequency transitions as acoustic correlates to speech perception". Paper presented at the 157th Meeting of the Acoustical Society of America, Portland, Oregon.
7. **Stilp, C.E.**, Rogers, T.T., & Kluender, K.R. (2009, February). "Efficient encoding of correlated complex acoustic dimensions". Poster presented at the 32nd MidWinter Meeting of the Association for Research in Otolaryngology, Baltimore, Maryland.
6. **Stilp, C.E.**, Rogers, T.T., Jacobs, S.L., & Kluender, K.R. (2008, November). "Rapid efficient encoding of correlated complex acoustic properties". Paper presented at the 156th Meeting of the Acoustical Society of America, Miami, Florida.
5. Kiefte, M., **Stilp, C.E.**, & Kluender, K.R. (2008, November). "Channel segregation improves perception of speech with temporally desynchronized bands". Poster presented at the 156th Meeting of the Acoustical Society of America, Miami, Florida.
4. **Stilp, C.E.**, Alexander, J.M., Kiefte, M., & Kluender, K.R. (2007, November). "Intelligibility of information in temporally desynchronized bands of speech". Poster presented at the 154th Meeting of the Acoustical Society of America, New Orleans, Louisiana.
3. **Stilp, C.E.**, Alexander, J.M., & Kluender, K.R. (2007, June). "Spectral coherence predicts resilience of speech to temporal distortion". Poster presented at the 153rd Meeting of the Acoustical Society of America, Salt Lake City, Utah.
2. **Stilp, C.E.**, & Kluender, K.R. (2006, June). "Perceptual absorption of listening context when perceiving musical instruments". Poster presented at the 151st Meeting of the Acoustical Society of America, Providence, Rhode Island.
1. **Stilp, C.E.**, & Kluender, K.R. (2005, October). "Effects of rhythmic precursors on perception of stress/syllabicity". Poster presented at the 150th Meeting of the Acoustical Society of America, Minneapolis, Minnesota.

ADDITIONAL PRESENTATIONS

25. Criner, K.C.*, Shorey, A.E.*, & **Stilp, C.E.** (2024, April). "Music perception and speech perception have different sensitivities to acoustic variability." Poster presented to fulfill the Culminating Undergraduate Experience, Department of Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky.

24. van der Veer, M.*, Shorey, A.E.*, & **Stilp, C.E.** (2023, December). "Expertise effects in semantic priming and harmonic priming." Poster presented to fulfill the Culminating Undergraduate Experience, Department of Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky.
23. Kahloon, L.S.*, Shorey, A.E.*, King, C.J.*, & **Stilp, C.E.** (2023, November). Clear speech promotes speaking rate normalization." Poster presented at the 2023 American Muslim Medical Student Association Conference, New York City, New York.
22. Adames, I.*, Shorey, A.E.*, & **Stilp, C.E.** (2023, April). "Sensitivity to natural pairing of musical pitch and timbre." Poster presented to fulfill the Culminating Undergraduate Experience, Department of Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky.
21. Sellers, B.* & **Stilp, C.E.** (2022, December). "Extending the Posner attention paradigm to speech perception." Poster presented to fulfill the Culminating Undergraduate Experience, Department of Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky.
20. Zahorik, P., Morgan, S.D., & **Stilp, C.E.** (2022, December). "Graduate training opportunities in the hearing sciences at the University of Louisville." Poster presented at the 183rd Meeting of the Acoustical Society of America, Nashville, Tennessee.
19. Kahloon, L.S.* & **Stilp, C.E.** (2022, April). "Clear speech promotes speaking rate normalization." Poster presented to fulfill the Culminating Undergraduate Experience, Department of Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky.
18. Hatter, E.R.* & **Stilp, C.E.** (2021, December). "Fame isn't everything: Talker familiarity does not mitigate the perceptual consequences of talker variability." Poster presented to fulfill the Culminating Undergraduate Experience, Department of Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky.
17. Reske, K., **Stilp, C.E.**, & Delaney, A.L. (2021, July). "Does oral feeding skill performance contribute to energy intake in 63 typically developing infants 8-12 months of age?" Poster presented at the Marquette University Biomedical Sciences Summer Research Program Poster Session, Milwaukee, WI.
16. **Stilp, C.E.** (2021, June). "Nonspeech sounds are not all equally good at being not-speech". Paper presented at the 180th Meeting of the Acoustical Society of America, Acoustics in Focus.
15. Sharpe, C.M.* & **Stilp, C.E.** (2021, April). "The role of talker in adjusting for different speaking rates in speech perception". Poster presented at the 2021 Undergraduate Arts and Research Showcase, University of Louisville, Louisville, Kentucky.
14. Morgan, S.D., **Stilp, C.E.**, & Zahorik, P. (2020, December). "Graduate training opportunities in the hearing sciences at the University of Louisville." Poster presented at the 179th Meeting of the Acoustical Society of America, Acoustics Virtually Everywhere.
13. Mills, H.E.* & **Stilp, C.E.** (2020, November). "Effects of acoustic variability in talkers' voices on context effects in vowel categorization." Poster presented to fulfill the Culminating Undergraduate Experience, Department of Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky.

12. **Stilp, C.E.** (2019, December); "'How': The connection between acoustics and perception." Invited paper presented at the 178th Meeting of the Acoustical Society of America, San Diego, California.
11. Beilman, E.K.* & **Stilp, C.E.** (2019, December). "Relationships between context effects in speech perception." Poster presented to fulfill the Culminating Undergraduate Experience, Department of Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky.
10. Morgan, S.D., AlMakadma, H., Kondaurova, M.V., **Stilp, C.E.**, & Zahorik, P. (2019, May). "Graduate training opportunities in the hearing sciences at the University of Louisville." Poster presented at the 177th Meeting of the Acoustical Society of America, Louisville, Kentucky.
9. Davis, R.F.* , Baese-Berk, M.M., & **Stilp, C.E.** (2019, April). "Effects of pitch contour and speaking rate on perception of foreign-accented speech". Poster presented at the 2019 Undergraduate Research and Community Engagement Symposium, University of Louisville, Louisville, Kentucky.
8. Dickey, E.A.* & **Stilp, C.E.** (2019, April). "Effects of talker variability on categorization of spectrally degraded vowels." Poster presented at the 2019 Undergraduate Research and Community Engagement Symposium, University of Louisville, Louisville, Kentucky.
7. Lanning, J.M.* & **Stilp, C.E.** (2018, November). "Earlier music biases subsequent musical instrument categorization." Poster presented to fulfill the Culminating Undergraduate Experience, Department of Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky.
6. Frazier, J.F*, Assgari, A.A.*, & **Stilp, C.E.** (2017, December). "Variable influence of earlier sounds on musical instrument identification." Poster presented to fulfill the Culminating Undergraduate Experience, Department of Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky.
5. Zahorik, P., Preminger, J.E., & **Stilp, C.E.** (2017, June). "Graduate training opportunities in the hearing sciences at the University of Louisville." Poster presented at the 173rd Meeting of the Acoustical Society of America, Boston, Massachusetts.
4. Mohiuddin, A.*, Assgari, A.A.*, & **Stilp, C.E.** (2016, April). "Effects of talker variability on spectral contrast effects". Poster presented at the 2016 Undergraduate Research and Community Engagement Symposium, University of Louisville, Louisville, Kentucky.
3. Zahorik, P., Preminger, J.E., & **Stilp, C.E.** (2014, October). "Graduate training opportunities in the hearing sciences at the University of Louisville." Poster presented at the 168th Meeting of the Acoustical Society of America, Indianapolis, Indiana.
2. **Stilp, C.E.** (2013, October). "Information-bearing acoustic changes contribute to speech perception in acoustic and simulated electric hearing." Paper presented at the Midwest Cochlear-Implant Research Symposium, Madison, Wisconsin.
1. **Stilp, C.E.**, & Kluender, K.R. (2005, September). "Rhythmic context affects perception of stress and syllabicity". Paper presented at the 20th Annual First Year Symposium, Department of Psychology, University of Wisconsin, Madison, Wisconsin.

INVITED TALKS

05/2024 Presenter, "Interactions Between Voice and Speech Perception", 186th Meeting of the Acoustical Society of America, Ottawa, Ontario, Canada

01/2022 Seminars in Hearing and Communication Sciences, University of Washington

01/2020 Department of Speech, Language, & Hearing Sciences, Purdue University

12/2019 Presenter/Panelist, "How Does Speech Perception Work: A Tutorial and Panel Discussion for Architectural Speech Privacy", 178th Meeting of the Acoustical Society of America, San Diego, California

10/2019 Hearing Research Center, Boston University

09/2018 National Center for Rehabilitative Auditory Research, Portland, Oregon

04/2018 Diehl-a-Palooza (Festschrift for Randy Diehl), University of Texas

05/2016 Presenter/Panelist, "Lessons from Interrupted Speech: Methods and Models", 171st Meeting of the Acoustical Society of America, Salt Lake City, Utah

04/2014 Grand Rounds, Division of Communicative Disorders, University of Louisville

03/2013 Grand Rounds, Heuser Hearing Institute

01/2012 Department of Psychological & Brain Sciences, University of Louisville

04/2011 Department of Electrical Engineering & Computer Sciences, Case Western Reserve University

03/2011 Department of Speech and Hearing Sciences, Ohio State University

03/2011 Department of Psychological Sciences, Case Western Reserve University

02/2011 Department of Communicative Disorders, University of Wisconsin - Madison

02/2011 Department of Physiology, University of Wisconsin - Madison

02/2010 Department of Physiology, University of Wisconsin - Madison

03/2009 Department of Physiology, University of Wisconsin - Madison

03/2008 Department of Physiology, University of Wisconsin - Madison

02/2008 Department of Communicative Disorders, University of Wisconsin - Madison

TEACHING

University of Louisville

<u>Course</u>	<u>Terms (s = spring, f = fall)</u>
Quantitative Methods in Psychology	2024s, 2022s, 2021s, 2019sf, 2018s, 2017sf, 2016sf, 2015sf, 2014sf, 2013sf, 2012f
Advanced Statistics I	2023f, 2022f
Music Perception and Cognition	2023s
Sensation and Perception (graduate)	2022s, 2021s, 2018f, 2016s, 2014s
Practicum in College Teaching	2022s
Hearing Science	2021f, 2020f, 2019f, 2018f, 2017f, 2015s
Sensation and Perception (undergraduate)	2021f, 2020f, 2019s, 2018s, 2017s, 2014f
Independent Research	Every spring and fall semester from 2013
Culminating Undergraduate Experience	2024s, 2023sf, 2022sf, 2021f, 2020f, 2019f, 2018f, 2017f
Research in Experimental Psychology	2024s, 2023f, 2017s, 2016f
Independent Honors Research	2022s, 2021sf, 2020f, 2019s, 2018f, 2016s, 2015f
Research in Vision and Hearing Sciences	2013s

University of Wisconsin

Sensation and Perception (undergraduate) 2010s

STUDENT MENTORING

Graduate Research Assistants, University of Louisville

2020-Present Anya Shorey, M.S.

2021-2023 Caleb King, M.S.

2014-2018 Ashley Assgari, Ph.D., Department of Psychological and Brain Sciences

- 2018 John Richard Binford Memorial Award
- Graduate Dean's Citation

2013-2014 Paul Anderson, Ph.D., Department of Psychological and Brain Sciences

Undergraduate Research Assistants, University of Louisville

2024 Hayley Allen, Kate Criner, Sydney Higdon, Maaïke van der Veer

2023 Isabel Adames, Kate Criner, Sydney Higdon, Betsy Sellers, Raakin Shah, Sydney Tharp, Maaïke van der Veer

2022 Isabel Adames, Zachary Gephart, Pedro Gomez, Lilah Kahloon, Seth Long, Betsy Sellers, Dawson Stephens, Sydney Tharp

2021 Ciaran Brown, Zachary Gephart, Emma Hatter, Lilah Kahloon, Seth Long, Hannah Mills, Samantha Schawe, Chloe Sharpe, Dawson Stephens

2020 Megan Adams, William Crump, Emma Hatter, Lilah Kahloon, Hannah Mills, Samantha Schawe, Chloe Sharpe

2019 Megan Adams, Amira Ali, Ella Beilman, William Crump, Rebecca Davis, Emily Dickey, Hannah Mills, Pratistha Thapa, Sara Wardrip

2018 Scott Barrett, Ella Beilman, Rebecca Davis, Emily Dickey, Joshua Lanning, Caroline Smith, Pratistha Thapa, Sara Wardrip

2017 Ashley Batliner, Samantha Cardenas, Rebecca Davis, Jonathan Frazier, Joshua Lanning, Carly Newman, Madison Rhyne, Caroline Smith

2016 Ashley Batliner, Alexandria Beason, Asim Mohiuddin, Carly Newman, Madison Rhyne, Niko Sikkell

2015 Alexandria Beason, Almina Klanco, Orlando Madriz, Asim Mohiuddin, Emily Nations, Caitlyn Stromatt

2014 Kara Hendrix, Almina Klanco, Emily Nations, Elizabeth Niehaus, McKenzie Sexton, Lillian Slaughter, Caitlyn Stromatt

2013 Andrew McPheron, Elizabeth Niehaus, Ijeoma Okorie, McKenzie Sexton, Lillian Slaughter

2012 Ijeoma Okorie

Undergraduate Research Assistants, University of Wisconsin

2012 Nora Brand

2011 Bridget Blake, Nora Brand, Ray Kluender, Anna Joy Tan

2010 Bridget Blake, Kyira Hauer, Ray Kluender, Jasmine Morano, Anna Joy Tan, Brittany Thomson

2009 Katie Allie, Laurie Donnell, Natalie Fondell, Kyira Hauer, Brittany Thomson, Kelsey Wegner

2008 Katie Allie, Laurie Donnell, Natalie Fondell, Kyira Hauer, Lauren Ottenstein, Kelsey Wegner

2007 Benjamin Hesprich, Lauren Ottenstein

2006 Benjamin Hesprich, Aaron Schumacher

2005 Aaron Schumacher

Mentored Student Grants

Graduate Student Council Research Grants:

"Musical Instrument Adaptation and Melodic Expectancy" (\$500; PI: Anya Shorey)

Dates: 3/1/2022 - 6/30/2022

"The Impact of Instrument Specificity Within the Musician Advantage" (\$500; PI: Caleb King)
Dates: 11/16/2021 - 6/30/2022

"Testing the Effects of Musical Training on Music Perception" (\$500; PI: Anya Shorey)
Dates: 2/15/2021 - 6/30/2021

Graduate Network in Arts and Sciences Research Grants:
PI: Anya Shorey (\$250)
Dates: 2/4/2021 - 6/30/2021

Undergraduate Research Scholar Grants:
"Relationships Between Context Effects in Speech Perception" (\$100; PI: Ella Beilman)
Dates: 10/8/2019 - 10/7/2020

"Earlier Sounds Bias Subsequent Musical Instrument Categorization" (\$100; PI: Joshua Lanning)
Dates: 11/12/2018 - 11/11/2019

SERVICE

University Committees

2023-Present Space and Resource Committee, Department of Psychological and Brain Sciences
2021-Present Personnel Committee, Department of Psychological and Brain Sciences (Chair, 2023-Present)
2017-Present Subject Pool Committee, Department of Psychological and Brain Sciences (Chair, 2021-Present)
2023 Reviewer, Programmatic Support and Jon Sieger Seed Grant Programs
2022-2023 Faculty Search Committee, Department of Psychological and Brain Sciences (also 2021-2022, 2014-2015, 2013-2014)
2021-2022 Committee on Research and Professional Development / Methods, Department of Psychological and Brain Sciences
2018-2022 Masters Degree Development for Experimental Area, Department of Psychological and Brain Sciences
2019-2021 Plans and Policies Committee, Department of Psychological and Brain Sciences
2015-2019 Grawemeyer Committee, Department of Psychological and Brain Sciences
2013-2018 Website Committee, Department of Psychological and Brain Sciences (Chair, 2014-2018)
2012-2017 Steering Committee for Au.D./Ph.D Joint Degree, Departments of Otolaryngology and Psychological and Brain Sciences
2012-2014 Ad Hoc Committee for the Graduate Core Curriculum, Department of Psychological and Brain Sciences
2012-2013 Planning Committee for 2013 Research Symposium, Heuser Hearing Institute, Louisville, KY

Student Supervisory Committees: Graduate

Dissertations (* = committee chair)

2024* Anya Shorey, Department of Psychological and Brain Sciences
2024 Lianda Velič, Department of Psychological and Brain Sciences
2018 Greg Ellis, Department of Psychological and Brain Sciences
2018* Ashley Assgari, Department of Psychological and Brain Sciences
2017 Eleanor O'Keefe, Department of Psychological and Brain Sciences
2015 Wenhao Dang, Department of Psychological and Brain Sciences
2015 Paul Anderson, Department of Psychological and Brain Sciences

2012 Carissa Shafto, Department of Psychological and Brain Sciences

Preliminary Exams

2022* Anya Shorey, Department of Psychological and Brain Sciences

2016 Greg Ellis, Department of Psychological and Brain Sciences

2016* Ashley Assgari, Department of Psychological and Brain Sciences

2014 Eleanor O'Keefe, Department of Psychological and Brain Sciences

2013 Hillary Williams, Department of Psychological and Brain Sciences

2013 Kate Godwin, Department of Psychological and Brain Sciences

2013 Paul Anderson, Department of Psychological and Brain Sciences

2013 Wenhao Dang, Department of Psychological and Brain Sciences

2012 April Schweinhart, Department of Psychological and Brain Sciences

Master's Degrees

2023 Caleb King, Department of Psychological and Brain Sciences

2023 Chloe Sharpe, School of Psychology, Xavier University

2022 Ann Holmes, Department of Psychological and Brain Sciences

2022 Anya Shorey, Department of Psychological and Brain Sciences

2016 Greg Ellis, Department of Psychological and Brain Sciences

2016 Ashley Assgari, Department of Psychological and Brain Sciences

First Year Research Projects

2012 Kate Godwin, Department of Psychological and Brain Sciences

2012 Eleanor O'Keefe, Department of Psychological and Brain Sciences

2012 Hillary Williams, Department of Psychological and Brain Sciences

Student Supervisory Committees: Undergraduate

Honors Theses (* = committee chair)

2022* Dawson Stephens, Department of Psychological and Brain Sciences

2021* Chloe Sharpe, Department of Psychological and Brain Sciences

2019 Taylor Parks, Department of Psychological and Brain Sciences

2019* Rebecca Davis, Department of Psychological and Brain Sciences

2019* Emily Dickey, Department of Psychological and Brain Sciences

2018 Brianna Berry, Department of Psychological and Brain Sciences

2016* Asim Mohiuddin, Department of Psychological and Brain Sciences

Culminating Undergraduate Experiences (CUE)

2024 Kate Criner, Department of Psychological and Brain Sciences

2023 Maaïke Van der Veer, Department of Psychological and Brain Sciences

2023 Isabel Adames, Department of Psychological and Brain Sciences

2022 Betsy Sellers, Department of Psychological and Brain Sciences

2022 Lilah Kahloon, Department of Psychological and Brain Sciences

2021 Emma Hatter, Department of Psychological and Brain Sciences

2020 Hannah Mills, Department of Psychological and Brain Sciences

2019 Ella Beilman, Department of Psychological and Brain Sciences

2018 Joshua Lanning, Department of Psychological and Brain Sciences

2017 Jonathan Frazier, Department of Psychological and Brain Sciences

PROFESSIONAL AFFILIATIONS

Acoustical Society of America
 Association for Research in Otolaryngology

PROFESSIONAL DUTIES

Editorial Boards

2023-Present Associate Editor, *Attention, Perception, & Psychophysics*
 2019-2022 Editor, *Journal of Speech, Language, and Hearing Research*
 2018 Editorial Board Member, *Journal of Speech, Language, and Hearing Research*
Ad Hoc Reviewer
 2018-Present Funding agencies: National Science Foundation
 2010-Present Journals: *American Journal of Psychology, Attention Perception & Psychophysics, Brain & Language, British Journal of Psychology, Cognition, Current Biology, Ear & Hearing, Frontiers in Human Neuroscience, Hearing Research, IEEE Transactions on Human-Machine Systems, Journal of the Acoustical Society of America, Journal of the American Academy of Audiology, Journal of the Association for Research in Otolaryngology, Journal of Experimental Psychology: General, Journal of Experimental Psychology: Human Perception and Performance, Journal of Phonetics, Journal of Speech Language and Hearing Research, LabPhon, Language & Speech, Nature Communications, PLoS Computational Biology, PLoS One, Proceedings of the Royal Society B: Biological Sciences, Psychological Science, Psychology & Neuroscience, Psychonomic Bulletin & Review, Speech Communication, Trends in Hearing*
 Books: *Vowel Inherent Spectral Change* (Springer, Berlin)

Association for Research in Otolaryngology
 2021 Session Chair, "Speech Communication: Realistic Factors and Measurements", 44th Annual ARO MidWinter Meeting (February 2021)

Acoustical Society of America
 2022 Session Chair, "Speech and Music Perception", 183rd Meeting of the Acoustical Society of America (December 2022; Nashville, TN)
 2019 Technical Program Chair, 177th Meeting of the Acoustical Society of America (May 2019; Louisville, KY)
 2019 Special Session Co-Chair, "Context Effects in Speech Perception", 177th Meeting of the Acoustical Society of America (May 2019; Louisville, KY)
 2018 Session Chair, "Acoustics Bricolage", 176th Meeting of the Acoustical Society of America (November 2018; Victoria, British Columbia, Canada)
 2018 Session Chair, "Sensitivity to Spectral and Temporal Information", 175th Meeting of the Acoustical Society of America (May 2018; Minneapolis, MN)
 2017-2020 Member, Technical Committee on Psychological and Physiological Acoustics
 2014-2026 Member, Technical Committee on Speech Communication
 2014 Coordinator, Best Student Paper Award in Speech Communication; 167th (Providence, RI) and 168th (Indianapolis, IN) Meetings of the Acoustical Society of America
 2008-2010 Student Council Representative, Speech Communication Technical Committee