

Andrew J. Vermiglio, AuD, FAAA, CCC-A

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Education

2007 – AuD, Central Michigan University, Mt. Pleasant; Department of Communication Sciences and Disorders

1994 -1995 – University of Iowa, Department of Communication Sciences and Disorders

1992 – MA, California State University, Long Beach; Department of Communication Disorders

1989 – BA, California State University, Long Beach; Department of Communication Disorders

Academic Appointments

2022 – present Full-time, Associate Professor, Department of Communication Sciences and Disorders, East Carolina University, Greenville, NC

2013 – 2022 Full-time, Assistant Professor, Department of Communication Sciences and Disorders, East Carolina University, Greenville, NC

2013 – present Part-time, Adjunct Faculty, Department of Communication Disorders and Sciences, California State University, Northridge, CA

2010 – 2013 Part-time, Adjunct Faculty, Department of Psychology, Touro College, Los Angeles, CA

2009 – 2013 Full-time, Assistant Professor, Department of Communication Disorders and Sciences, California State University, Northridge, CA

2008 Part-time, Adjunct Faculty, Department of Communication Disorders and Sciences, California State University, Long Beach, CA

Professional Experience - Audiology

2012 Audiology Consultant for Hearing Guidelines for New York City Corrections Officers, MED-TOX Health Services (part-time)

2012 Audiology Consultant, Olive View UCLA Medical Center, Los Angeles, CA

2009 – 2012 Research Consultant, Human Communication Sciences and Devices Laboratory, House Research Institute, Los Angeles, CA (part-time)

2002 – 2009 Senior Research Associate, Department of Human Communication Sciences and Devices, House Ear Institute, Los Angeles

1998 – 2002 Advanced Research Associate, Department of Human Communication Sciences and Devices, House Ear Institute, Los Angeles, CA

1996 – 1998 Research Associate, Department of Human Communication Sciences and Devices, House Ear Institute, Los Angeles, CA,

1993 – 1994 Research Associate, Department of Auditory Electrophysiology, House Ear Institute, Los Angeles, CA

1993 Clinical Audiologist, Department of Audiology, Veterans Administration Medical Center, Long Beach, CA

1992 – 1993 Clinical Fellow in Audiology, Mullikan Medical Center, Los Angeles, CA (part-time)

1992 – 1993 Clinical Fellow in Audiology, House Ear Institute, Los Angeles, CA

- 1992 Clinical Fellow in Audiology, ENT Practice, Huntington Beach, CA
 1991 - 1992 Hearing Conservation Technician, Medical Department, Atlantic Richfield Corporation, Carson, CA (part-time)
 1990 - 1991 Audiology Trainee, Department of Audiology, Veterans Administration Medical Center, Long Beach, CA (part-time)

Certification and Licensure

- 2014 – present Licensed as an audiologist by the State of North Carolina, North Carolina license number 10667
 1997 – 2013 Licensed as a Hearing Aid Dispenser by the State of California, California license number HA 3712 (later combined with audiology license)
 1993 – 2013 Licensed as an audiologist by the State of California, California license number AU 1503
 1993 – present Certificate of Clinical Competence in Audiology issued by the American Speech-Language-Hearing Association, ASHA account number 01121582

Submitted Manuscripts (Peer Reviewed), Student Names are Underlined

1. **Vermiglio, A. J.**, Osborne, H., Bonilla, E., Leclerc, L., Thornton, M., & Fang, X. (third revision in review). The Relationship between Behavioral Responses in Quiet and in Noise. *Journal of the American Academy of Audiology*
2. **Vermiglio, A.J.** (in review). A Critique of the National Academies of Sciences, Engineering, and Medicine Report (NASEM, 2021) and the Diagnostic Accuracy of Measurements of Functional Hearing Ability. *American Journal of Audiology*
3. **Vermiglio, A.J.** (in review). Letter to the Editor on Central Auditory Processing and the Relationship to Perceived Hearing Difficulty: The Jackson Heart Study (Shepherd et al., 2022). *Otology & Neurotology*

Published Manuscripts (Peer Reviewed), Student Names are Underlined

1. **Vermiglio, A. J.**, Fang, X. (2021). The World Health Organization (WHO) Hearing Impairment Guidelines and a Speech Recognition in Noise (SRN) Disorder. *International Journal of Audiology, 1-8*
2. **Vermiglio, A. J.**, Leclerc, L., Thornton, M., Osborne, H., Bonilla, E., & Fang, X. (2021). Diagnostic Accuracy of the AzBio Speech Recognition in Noise Test. *Journal of Speech, Language, and Hearing Research, 64(8), 3303-3316*
3. **Vermiglio, A. J.**, Bulla, E., Skinner, J., Heeke, P., Fang, X., Velappan, K., Bonilla, E., & Garner, E. (2021). A Convergent Validity Study: Listening in Spatialized Noise-Sentences (LiSN-S) Test and the Hearing in Noise Test (HINT). *International Journal of Audiology, 60(1), 27-34*
4. **Vermiglio, A. J.**, Soli, S. D., Freed, D. J., & Fang, X. (2020). The Effect of Stimulus Audibility on the Relationship between Pure-Tone Average and Speech Recognition in Noise Ability. *Journal of the American Academy of Audiology, 31(3), 224-232*
5. **Vermiglio, A. J.**, Herring, C., Heeke, P. & Post, C. (2019). Sentence Recognition Performances in Speech-Shaped Steady-State Noise vs. Four-Talker Babble. *Journal of the American Academy of Audiology, 30(1), 54-65*
6. **Vermiglio, A. J.**, Velappan, K., Heeke, P., Bulla, E. & Fang, X., Bonilla, E., Garner, E., Skinner, J. (2019). The Relationship between Speech Recognition in Noise and Non-Speech Recognition in Noise Test Performances: Implications for Central Auditory Processing Disorders Testing. *Journal of Communication Disorders, 77(1), 31-43*
7. Heeke, P., **Vermiglio, A. J.**, Bulla, E., Velappan, K. & Fang, X. (2018). The Relationship between Random Gap Detection and Hearing in Noise Test Performances. *Journal of the American Academy of Audiology, 29(10), 948-954*

8. **Vermiglio, A. J.**, (2018). Response to the Letter to the Editor from Chermak, Iliadou, Bamiou, and Musiek (2018) Regarding Vermiglio (2018), “The Gold Standard and Auditory Processing Disorder.” *Perspectives of the ASHA Special Interest Groups* 3(6), 83-90
9. **Vermiglio, A. J.**, (2018). The Gold Standard and Auditory Processing Disorder. *Perspectives of the ASHA Special Interest Groups* 3(6), 6-17 (Invited article)
10. **Vermiglio, A. J.** (2018). Response to Drs. Iliadou and Eleftheriadis regarding “Auditory Processing Disorder (APD) as the Sole Manifestation of a Cerebellopontine and Internal Auditory Canal Lesion.” *Journal of the American Academy of Audiology*, 29(3), 262-263
11. **Vermiglio, A. J.**, Soli, D. J. & Fang, X. (2018). An Argument for Self-report as a Reference Standard in Audiology. *Journal of the American Academy of Audiology*, 29(3), 206-222
12. **Vermiglio, A. J.**, Griffin, S., Post, C., & Fang, X. (2018). An Evaluation of the World Health Organization and American Medical Association Ratings of Hearing Impairment and Simulated Single-Sided Deafness. *Journal of the American Academy of Audiology*, 29(7), 634-647
13. **Vermiglio, A. J.** (2018). A Response to Dr. Jerger regarding “On Diagnostic Accuracy in Audiology: Central Site of Lesion and Central Auditory Processing Disorder Studies.” *Journal of the American Academy of Audiology*, 28(1), 102
14. **Vermiglio, A. J.** (2016). On Diagnostic Accuracy in Audiology: Central Site of Lesion and (Central) Auditory Processing Disorder Studies. *Journal of the American Academy of Audiology*, 27(2), 141-156.
15. **Vermiglio, A. J.** (2014). On the Clinical Entity in Audiology: (Central) Auditory Processing and Speech Recognition in Noise Disorders. *Journal of the American Academy of Audiology*, 25(9), 904-917.
16. Derebery, J., **Vermiglio, A.J.**, Berliner, K.I., Potthoff, M., & Holguin, K. (2012). Facing the Music: Pre and Post-concert Assessment of Hearing in Teenagers. *Journal of Otology and Neurotology*. 33(7), 1136-1141.
17. **Vermiglio, A.J.**, Soli, S.D., Freed, D.J., & Fisher, L.M. (2012). The Relationship between High-Frequency Pure Tone Hearing Loss, Hearing in Noise Test (HINT) Thresholds and the Articulation Index. *Journal of the American Academy of Audiology*. 23(10), 779-788.
18. Aronoff, J.M., Yoon, Y.S., Freed, D.J., **Vermiglio, A.J.**, & Soli, S.D. (2010). The Use of Interaural Time and Level Difference Cues by Bilateral Cochlear Implant Patients. *Journal of the Acoustical Society of America*. 127(3), EL87.
19. **Vermiglio, A.** (2008). The American English Hearing in Noise Test, *International Journal of Audiology*, 47(6), 386.
20. Chan, J., Freed, D., **Vermiglio, A.**, & Soli S. (2008). Evaluation of Binaural Functions in Bilateral Cochlear Implant Users, *International Journal of Audiology*, 47(6), 296-310.
21. Soli S., Chan, J., **Vermiglio, A.**, & Freed, D., (2008). Comparison of Efficiency of Auria T-mic Microphones (Internal Microphone), Auria BTE Head Processor Microphone and Plastic Processor Head Transmitter (Platinum Headpiece). *Russian Otorhinolaryngology*, 51, 373-376
22. Zhao, Y., Yen, K.C., Soli, S., Gao, S., & **Vermiglio, A.** (2002). Co-Channel Speech Separation for Assistive Listening. In *Acoustics, Speech, and Signal Processing (ICASSP), 2002 IEEE International Conference* (Vol. 2, pp. II-1945). IEEE.
23. Zhao, Y., Yen, K.C., Soli, S., Gao, S., & **Vermiglio, A.** (2002). On Application of Adaptive Decorrelation Filtering to Assistive Listening. *Journal of the Acoustical Society of America*. 111(2), 1077.
24. Don, M., **Vermiglio, A.J.**, Ponton, C.W., Eggermont, J.J., & Masuda, A. (1996). Variable Effects of Click Polarity on Auditory Brainstem Response (ABR) Latencies: Analysis of Narrow-band ABRs Suggests Possible Explanations. *Journal of the Acoustical Society of America*. 100(1), 458.

Other Scholarly Manuscripts

1. Soli, S., Chan, J., **Vermiglio, A.**, & Freed D. (2005). Development of a Direct-Input System to Evaluate Spatial Unmasking and Sound Localization in Bilateral Implant Users. *Auditory Research Bulletin 2005*. Valencia, CA: Advanced Bionics, 144-145.
2. Soli, S., Chan, J., **Vermiglio, A.**, & Freed D. (2005). Comparison of Benefit for the T-Mic Auria BTE and Platinum Headpiece Microphones, *Auditory Research Bulletin 2005*. Valencia, CA: Advanced Bionics, 158-159.
3. Soli, S.D., & **Vermiglio, A.** (1999). Assessment of Functional Hearing Abilities for Hearing Critical Jobs in Law Enforcement. *Report for the California Peace Officers Standards and Training Commission*.

Conference Proceedings

1. Soli, S., **Vermiglio, A.**, & Larson, V. (2005). A System for Assessing the Fit of Hearing Protectors in the Field. *Spectrum*, 22(Suppl 1), 25.
2. Soli, S.D., **Vermiglio, A.J.**, Wen, K., & Abdala Filestari, C. (2002). Development of the Hearing in Noise Test (HINT) in Spanish. *Journal of the Acoustical Society of America*. 112(5), 2384.

Letters to the Editor Regarding the Publications of Dr. Vermiglio

1. Chermak, G. D., Iliadou, V., Bamio, D. E., & Musiek, F. E. (2018). Letter to the Editor: Response to **Vermiglio**, 2018, “The Gold Standard and Auditory Processing Disorder.” *Perspectives of the ASHA Special Interest Groups*, 3(6), 77-82.
2. Jerger, J. (2016). Response to Dr. **Vermiglio**. *Journal of the American Academy of Audiology*, 27(8), 683.

Response to Letter to the Editor from Dr. Vermiglio

1. Iliadou, V. V., & Eleftheriadis, N. (2018). Response to the letter from Dr. **Vermiglio** regarding Iliadou and Eleftheriadis (2017): CAPD is classified in ICD-10 as H93. 25. *Journal of the American Academy of Audiology*, 29(3), 264.

Scholarly Presentations, Student Names are Underlined

1. **Vermiglio, A. J.** (2022, August). Sig Soli and Speech Recognition in Noise Research. Lecture presented at the International Hearing Aid Research Conference, August 11, 2022, Tahoe City, CA.
2. **Vermiglio, A. J.** (2022, March). In Pursuit of Diagnostic Certainty. Lecture presented at the American Academy of Audiology Conference, April 1, 2022, St. Louis, MO.
3. **Vermiglio, A. J.** (2022, March). The Gold Standard and Auditory Processing Disorders. Lecture presented at the American Academy of Audiology Conference, April 1, 2022, St. Louis, MO.
4. Cunningham, A., **Vermiglio, A. J.**, Driscoll, V. D., Stirrett, R., Kokinda, E. L., Paulson, C. A., Fennie, K., Hall, L. Ormond, A., (2022, March). The Relationship Between Speech Recognition in Noise Ability and Listening Effort. Research poster presentation for the American Academy of Audiology, March 30 - April 1, 2022, St. Louis, MO.
5. Stirrett, R., **Vermiglio, A. J.**, Driscoll, V. D., Paulson, C. A., Kokinda, E. L., Cunningham, A., Fennie, K., Hall, L. Ormond, A., (2022, March). The Effect of Tinnitus on Speech Perception in Noise Ability. Research poster presentation for the American Academy of Audiology, March 30 - April 1, 2022, St. Louis, MO.

6. Ormond, A., Vermiglio, A. J., Driscoll, V. D., Stirrett, R., Kokinda, E. L., Paulson, C. A., Cunningham, A., Fennie, K., Hall, L. (2022, March). The Effect of Semantic Interference on Speech Perception in Noise Ability. Research poster presentation for the American Academy of Audiology, March 30 - April 1, 2022, St. Louis, MO.
7. Kokinda, E. L., Vermiglio, A. J., Driscoll, V. D., Paulson, C. A., Stirrett, R., Cunningham, A., Fennie, K., Hall, L., Ormond, A., (2022, March). The Effect of Self-Reported Dialect on Speech Recognition in Noise Performances. Research poster presentation for the American Academy of Audiology, March 30 - April 1, 2022, St. Louis, MO.
8. Hall, L., Vermiglio, A. J., Driscoll, V. D., Ormond, A., Stirrett, R., Kokinda, E. L., Paulson, C. A., Fennie, K., Cunningham, A., (2022, March). The Effect of Musical Experience on the Ability to Recognize Speech in the Presence of Noise. Research poster presentation for the American Academy of Audiology, March 30 - April 1, 2022, St. Louis, MO.
9. Fennie, K., Vermiglio, A. J., Driscoll, V. D., Cunningham, A., Ormond, A., Kokinda, E. L., Paulson, C. A., Stirrett, R., Hall, L. (2022, March). The Effect of Listener Group and Masker Condition on Auditory Working Memory. Research poster presentation for the American Academy of Audiology, March 30 - April 1, 2022, St. Louis, MO.
10. Paulson, C. A., Vermiglio, A. J., Driscoll, V. D., Kokinda, E. L., Stirrett, R., Ormond, A., Fennie, K., Cunningham, A., Hall, L. (2022, March). Speech Recognition in Noise Performances Versus Perceived Listening Difficulty. Research poster presentation for the American Academy of Audiology, March 30 - April 1, 2022, St. Louis, MO.
11. Kokinda, E. L., Vermiglio, A. J., Driscoll, V.D., Osborne, H., Stirrett, R., Davis, R., Shapiro, K., Sturdivant, K. (2021, April). Impact of Listener Dialect on Speech Perception in Noise. Research poster presentation for the American Academy of Audiology, April 14-16, 2021, Virtual Conference.
12. Shapiro, K., Vermiglio, A. J., Driscoll, V.D., Kokinda, E. L., Davis, R., Osborne, H., Stirrett, R. (2021, April). Relationships between Grammar Performance and Speech Recognition in Various Maskers. Research poster presentation for the American Academy of Audiology, April 14-16, 2021, Virtual Conference.
13. Davis, R., Vermiglio, A. J., Driscoll, V.D., Shapiro, K., Kokinda, E. L., Osborne, H., Stirrett, R. (2021, April). Speech-Recognition-in-Noise Abilities Between Musicians and Non-Musicians. Research poster presentation for the American Academy of Audiology, April 14-16, 2021, Virtual Conference.
14. Leclerc, L., Vermiglio, A. J., Thornton, M., Osborne, H., Bonilla, E. (2021, April). The Effect of Musical Experience on Speech-Recognition-in-Noise Ability. Research poster presentation for the American Academy of Audiology, April 14-16, 2021, Virtual Conference.
15. Sturdivant, K., Vermiglio, A. J., Driscoll, V., Stirrett, R., Davis, R., Shapiro, K., Osborne, H., Kokinda, E. (2021, April). The Impact of a History of Otitis Media on Speech-in-Noise Abilities. Research poster presentation for the American Academy of Audiology, April 14-16, 2021, Virtual Conference.
16. **Vermiglio, A. J.** (2021, March). Critical Interpretation of APD Diagnoses. Invited Lecture for presentation at the Power Up Conference for Speech Language Pathologists, March 4, 2021, Online.
17. **Vermiglio, A. J.** (2020, August). The Gold Standard and Auditory Processing Disorder. Invited Lecture for SLPs for Evidence-based Practice Conference for Speech Language Pathologists, August 11, 2020, Online.
18. **Vermiglio, A. J.** (2020, April). The Gold Standard and Auditory Processing Disorders. Lecture accepted for presentation at the American Academy of Audiology Conference, April 2, 2020, New Orleans, LA. (Conference canceled)
19. Bonilla, E. R., Vermiglio, A.J. (2020, April). Working Memory Differences between Groups with Good and Poor Speech-in-Noise Ability. Research poster accepted for presentation at the

- American Academy of Audiology Conference, April 3, 2020, New Orleans, LA. (Conference canceled: presented in virtual poster session)
20. Thornton, M. B., Vermiglio, A. J., Leclerc, L. N., Osborne, H., Bonilla, E. R. (2020, April). The Binaural Advantage for Speech Recognition in Noise and Simulated Single-Sided Deafness. Research poster accepted for presentation at the American Academy of Audiology, April 3, 2020, New Orleans, LA. (Conference canceled: presented in virtual poster session)
 21. Leclerc, L. N., Vermiglio, A. J., Thornton, M. B., Osborne, H., Bonilla, E. R. (2020, April). The Self Report of Speech Recognition in Noise Ability and AzBio Test Performances. Research poster accepted for presentation at the American Academy of Audiology, April 3, 2020, New Orleans, LA. (Conference canceled: presented in virtual poster session)
 22. Osborne, H., Vermiglio, A. J., Leclerc, L. N., Thornton, M. B., Bonilla, E. R. (2020, April). The Relationship between Behavioral Responses in Quiet and in Noise. Research poster accepted for presentation at the American Academy of Audiology, April 3, 2020, New Orleans, LA. (Conference canceled: presented in virtual poster session)
 23. **Vermiglio, A. J.** (2019, October). Speech Recognition in Noise. Lecture presented at the North Carolina Audiology Association Annual Conference, October 10, 2019, Raleigh, NC
 24. Bonilla, E., Vermiglio, A. J. (2019, October). The Relationship between Speech Recognition in Noise Ability and Working Memory (Visual and Auditory). Research poster presented at the North Carolina Audiology Association Annual Conference, October 10, 2019, Raleigh, NC
 25. Thornton, M. B., Vermiglio, A. J., Leclerc, L. N., Osborne, H., Bonilla, E. R. (2019, October). The Binaural Advantage for Speech Recognition in Noise Ability using the AzBio. Research poster presented at the North Carolina Audiology Association Annual Conference, October 10, 2019, Raleigh, NC.
 26. Leclerc, L. N., Vermiglio, A. J., Thornton, M. B., Osborne, H., Bonilla, E. R. (2019, October). The Relationship between Working Memory and Speech Recognition in Noise Ability. Research poster presented at the North Carolina Audiology Association Annual Conference, October 10, 2019, Raleigh, NC.
 27. **Vermiglio, A. J.,** Moore, D. R., & Wilson, W. J. (2019, March). The State of Auditory Processing Disorders. Lecture presentation for the American Academy of Audiology, Columbus, March 29, 2019, Ohio
 28. Moore, H. R., Vermiglio, A. J., Bonilla, E., Emmert, I., Sabatelli, E., Jordan, E. (2019, March). The Relationship Between Speech Recognition in Noise and Reading Abilities. Research poster presentation for the American Academy of Audiology, March 29, 2019, Columbus, OH
 29. **Vermiglio, A. J.** (2019, March). Audiology Basics and Central Auditory Processing Disorders. Invited lecture for speech pathology students, Bob Jones University, March 7, 2019 Greenville, SC
 30. Moncrieff, D., & **Vermiglio, A. J.** (2018, October). Keep the Baby, Not the Bath Water: A Listening Disorders Approach to CAPD Construct Controversies. Lecture presentation for the American Speech Language and Hearing Association Online Conference on Central Auditory Processing Disorders, October 15, 2018
 31. **Vermiglio, A. J.** (2018, September). Audiology Issues for Physical Therapy Students. Invited lecture for ECU physical therapy students – Terry Jones instructor, September 24, 2018, Greenville, NC
 32. **Vermiglio, A. J.** (2018, April). Are Central Auditory Processing and Speech-in-Noise Disorders Legitimate Clinical Entities? Lecture presentation at the American Academy of Audiology Conference, April 20, 2018, Nashville, Tennessee
 33. **Vermiglio, A. J.** (2018, April). The Accuracy of Diagnostic Protocols. Lecture presentation at the American Academy of Audiology Conference, April 20, 2018, Nashville, Tennessee
 34. Bonilla, E., Vermiglio, A. J., Garner, E., Skinner, J. & Heeke, P. (2018, April). The Relationship between Speech Recognition in Noise Thresholds and Working Memory Results. Research poster

- presentation at the American Academy of Audiology Conference, April 20, 2018, Nashville, Tennessee
35. Garner, E., Vermiglio, A. J., Bonilla, E., Skinner, J. & Heeke, P. (2018, April). The Relationship between Masker Advantage and Working Memory. Research poster presentation at the American Academy of Audiology Conference, April 20, 2018, Nashville, Tennessee
 36. Skinner, J., Vermiglio, A. J., Bonilla, E., Garner, E., Bulla, E., Velappan, K., & Heeke, P. (2018, April) Influence of Dialect and Stimulus Audibility on LiSN-S Performances. Research poster presentation at the American Academy of Audiology Conference, April 20, 2018, Nashville, Tennessee
 37. Velappan, K., Vermiglio, A. J., Bulla, E., & Heeke, P. (2018, April). The Relationship between SCAN 3A and Hearing-in-Noise Test Performances. Research poster presentation at the American Academy of Audiology Conference, April 20, 2018, Nashville, Tennessee
 38. Moncrief, D. and **Vermiglio, A. J.** (2017, November). Keep the Baby, Not the Bath Water: A Listening Disorders Approach to CAPD Construct Controversies. Lecture presented at the American Speech-Language-Hearing Conference, November 9, 2017, Los Angeles, California
 39. Heeke, P., Vermiglio, A. J., Bulla, E., & Velappan, K. (2017, April). The Relationship between Random Gap Detection and Hearing in Noise Test performances. Research poster presented at the American Academy of Audiology 29th Annual Conference, April 6, 2017, Indianapolis, Indiana
 40. Bulla, E., Vermiglio, A. J., Heeke, P., & Velappan, K. (2017, April). The Hearing-in-Noise Test vs. the Listening-in-Spatialized Noise Sentences Test. Research poster presented at the American Academy of Audiology 29th Annual Conference, April 6, 2017, Indianapolis, Indiana
 41. Wallach, G., **Vermiglio, A. J.**, & Kamhi, A. (2016, November). Never-Ending Controversies with CAPD: What Thinking SLPs & Audiologists Know. Lecture presented at ASHA, November 18, 2016, Philadelphia, Pennsylvania
 42. Richard, G. J., Ferre, J. M. & **Vermiglio, A. J.** (2016, March). Issues in Diagnosis and Treatment related to Central auditory Processing Disorders in School Age Children. ASHA Live Event Chat for SIG1 Language learning and Education and SIG 6 School-Based Issues, March 2016
 43. Herring, C. C., Vermiglio, A. J., & Post, C. E. (2016, November). Masking Conditions for HINT. Research poster presented at AAA-NC, NCSHLA Fall Conference, November 11, 2016, Durham, North Carolina
 44. Griffin, S. N., Vermiglio, A. J., & Post, C. E. (2016, April). The Binaural Advantage for Speech Recognition in Noise Ability. Research poster presented at the American Academy of Audiology 28th Annual Conference, April 14, 2016, Phoenix, Arizona
 45. Danneker, N. F., Vermiglio, A. J., Williams, K. S., & Post, C. E. (2016, April). The Effect of Outer Hair Cell Function on Hearing in Noise Ability. Research poster presented at ECU CSDI Research Day, April 26, 2016, Greenville, North Carolina.
 46. **Vermiglio, A. J.** (2016, February). Diagnostic Accuracy of Tests Used to Detect Lesions of the CANS and a (C)APD. Lecture presented at ECU CSDI Research Seminar, February 19, 2016, Greenville, North Carolina.
 47. **Vermiglio, A. J.** (2016, March). Hearing Conservation for Musicians. Lecture presented at East Carolina University School of Music, March 15, 2016, Greenville, North Carolina.
 48. **Vermiglio, A. J.** (2015, March). Is (Central) Auditory Processing Disorder a Clinical Entity? Lecture presented at the American Academy of Audiology 27th Annual Conference, March 25, 2015, San Antonio, Texas
 49. **Vermiglio, A. J.** (2014, March). The Relationship of the Clinical Entity in Medicine to (C)APD and other Disorders. Lecture presented at the American Academy of Audiology 26th Annual Conference, March 26, 2014, Orlando, Florida
 50. **Vermiglio, A. J.** (2014, March). Application of a Medical Definition of the Clinical Entity to (C)APD. Lecture presented at the North Carolina Speech Hearing and Language Association Annual Convention, March 20, 2014, Raleigh, North Carolina

51. **Vermiglio, A. J.** (2014, March). Hearing Conservation for Musicians. Lecture presented at East Carolina University School of Music, March 16, 2014, Greenville, North Carolina.
52. **Vermiglio, A.J., Krumholz, S., Arman, A., Buchanan, C., DeMuro, C., Freziers, M., Johnson, S., Balena, T., Gorelik, M., Hovsepian, M., Firouziyan, S. Franey, S., Morrow, D., Golian, A., Eaton, S., Harding, A., Chai, B., Foldvary, S., Quezada, R., & Sinclair, J.S.** (2013). The Relationship between SCAN-A and Hearing in Noise Test (HINT) Data for Mono- and Bilingual Primary English Speakers. Research poster presentation at the American Academy of Audiology Conference, Anaheim, California
53. **Vermiglio, A.J.** (2012). Auditory Processing Disorders Revisited. Invited lecture presented at the Fall 2012 Research Forum at the House Research Institute, Los Angeles, California
54. **Vermiglio, A.J.** (2012). Speech Recognition in Noise Testing and Interpretation. Invited lecture presented at the Fall 2012 Research Forum at the House Research Institute, Los Angeles, California
55. **Vermiglio, A.J.** (2012). Speech Recognition in Noise. Invited lecture presented at the Los Angeles Chapter of the Acoustical Society of America, Santa Monica, California
56. Soli, S.D., Slattery, W., Luxford, W., & **Vermiglio, A.J.**, (2012). Within-subject Comparisons of Speech Perception in Quiet and in Noise for Patients with Single-sided Deafness Fitted with the BP100 and Ponto Osseointegrated Speech Processors. Paper presented at the 12th International Conference on Cochlear Implants and Other Implantable Auditory Technologies, May 4, 2012, Baltimore, Maryland.
57. Derebery, J., **Vermiglio, A.J.**, Berliner, K.I., Potthoff, M., & Holguin, K. (2012). Facing the Music: Pre- and Post-concert Assessment of Hearing in Teenagers. Paper presented at the American Otology Society Conference, April 21, 2012, San Diego, California.
58. **Vermiglio, A.J.** (2011). Auditory Processing: What Every SLP Should Know. Lecture presented at the Fall Evening Series at the Language, Speech and Hearing Center, Department of Communication Disorders and Sciences, California State University, Northridge, October 4, 2011, Northridge, California.
59. **Vermiglio, A.J.**, Seymour, P.J., Foldvary, S., Franey, S. M., Morrow, D., Harding, A., Eaton, S., Golian, A., & Sinclair, J.S. (2011). The Effects of Speech Experience on Speech Recognition Ability in Noise. Research poster presented at the American Speech-Language and Hearing Association Conference, November 18, 2011, San Diego, California.
60. **Vermiglio, A.J.** (2011). Hearing protection for music students. Lecture presented at the convocation for the Department of Music, Mike Curb College of Arts, Media and Communication, California State University, Northridge, September 7, 2011, Northridge, California.
61. **Vermiglio, A.J.** (2011). The Meaning of Single-Sided Deafness. Invited keynote lecture presented at the American College of Surgeons Sixth International Conference on Acoustic Neuroma, June 30, 2011, Los Angeles, California.
62. **Vermiglio, A.J.**, Harding, A.P., & Sinclair, J. S. (2011). The SCAN-A and Speech Recognition in Noise Ability. Research poster presented at the American Academy of Audiology 23rd Annual Conference, April 7, 2011, Chicago, Illinois
63. **Vermiglio, A.J.** (2011). Hearing Protection for Music Students. Lecture presented to the Department of Music, California State University, February 8, 2011, Northridge, California
64. **Vermiglio, A.J.** (2010). Auditory System Basics for Percussionists. Invited lecture presented at the Percussive Arts Society, Day of Percussion, California State University, September 26, 2010, Long Beach, California
65. **Vermiglio, A.J.** (2010). Hearing Conservation for Piano Technicians. Invited lecture presented at The Piano Technicians Guild Meeting, House Ear Institute, September 20, 2010, Los Angeles, California

66. **Vermiglio, A.J.**, & Soli, S.D. (2010). Speech recognition in Noise Ability and the Baha. Invited lecture presented at the Speech-Language-Hearing Association of Virginia (SHAV) Annual Conference, March 26, 2010, Richmond, Virginia
67. **Vermiglio, A.J.** (2009). Validation of Speech Recognition in Noise Ability. Invited lecture presented at the Virtual Summit at Jackson Conference, December 12, 2009. Hosted by audiologyonline.
68. **Vermiglio, A.J.** (2009). Quantification of Speech Recognition in Noise Ability and its Impact on Successful Hearing Aid Fittings. Invited lecture, Fall 2009, presented at the Research Forum at the House Ear Institute, Los Angeles, California
69. Potthoff, M.J., & **Vermiglio, A.J.** (2009). Hearing Loss Prevention for Musicians. Invited lecture, Fall 2009, presented at the Thornton School of Music, University of Southern California, Los Angeles, California
70. **Vermiglio, A.J.** (2009). Hearing Conservation for Musicians. Invited lecture, Fall 2009, presented to the music students at Mayfair High School, Lakewood, California
71. **Vermiglio, A.J.** (2009). Hearing Protection for the Sound Professional. Invited lecture presented at the United States Institute for Theater Technology Conference and Stage Expo, Annual Conference, Cincinnati, Ohio
72. **Vermiglio, A.J.**, & Soli, S.D. (2009). Is there a Relationship between Age, Pure Tone Thresholds and Speech Recognition in Noise Ability? Poster presented at the American Academy of Audiology 21st Annual Conference, Dallas, Texas
73. **Vermiglio, A.J.**, & Soli, S.D. (2008). Is There a Relationship between Pure Tone Thresholds and Speech Recognition in Noise Ability? Poster presented at the International Hearing Aid Research Conference (IHCON), Lake Tahoe, California
74. **Vermiglio, A.J.**, & Soli, S.D. (2008). Speech Recognition in Noise. Lecture presented at the American Academy of Audiology 20th Annual Conference, Charlotte, North Carolina
75. **Vermiglio, A.J.** (2008). Hearing Conservation for Percussionists. Invited lecture presented at the percussion forum, California State University, Long Beach, California
76. **Vermiglio, A.J.** (2008). Hearing Conservation for Music Industry Students. Invited lecture presented at the University of Southern California, Los Angeles, California
77. **Vermiglio, A.J.** (2008). Hearing Conservation for Piano Technicians. Invited lecture presented at the 51st Annual Piano Technicians Guild Convention and Technical Institute, Anaheim, California
78. Puria, S., **Vermiglio Sr, A. J.**, Fay, J. P., & Soli, S. D. (2008). Hearing restoration: Better Multitalker Speech Understanding. In *spring COSM meeting*.
79. **Vermiglio, A.J.**, & Soli, S.D. (2007). Relationship of Objective and Subjective Measures of Hearing to OAEs. Poster presented at the American Academy of Audiology 19th Annual Conference, Denver, Colorado
80. Chan J.C.Y., **Vermiglio A.J.**, & Soli S.D. (2007). Assessment of a New Power Bone Anchored Hearing Aid (BAHA) Processor. Poster presented at the American Academy of Audiology 19th Annual Conference, Denver, Colorado
81. **Vermiglio, A.J.** (2007). Hearing Conservation for Musicians. Invited lecture presented at KoSA International Percussion Workshop, 12th Annual Conference, Johnson, Vermont
82. Soli, S. D., Chan, J., & **Vermiglio, A.** (2007). Initial evaluation of the power BAHA (Intenso) processor for patients with cochlear hearing loss. In *First International Symposium on Bone Conduction Hearing and Osseointegration: Halifax, Canada July* (pp. 12-14).
83. **Vermiglio, A.J.**, & Soli, S.D. (2006). The Relationship between a Pure Tone Hearing Loss Classification Scheme, the Articulation Index and Hearing in Noise Performance. Poster presented at the International Hearing Aid Research Conference (IHCON), Lake Tahoe, California

84. **Vermiglio, A.J.**, Soli, S.D., & Chan, J.C.Y. (2006). Current Applications of the Hearing in Noise Test. Lecture presented at the American Academy of Audiology 18th Annual Conference, Minneapolis, Minnesota
85. **Vermiglio, A.J.**, & Soli, S.D. (2006). The Hearing in Noise Test (HINTPro). Lecture presented at the American Academy of Audiology 18th Annual Conference, Minneapolis, Minnesota
86. **Vermiglio, A.J.**, & Soli, S.D. (2006). The Relationship between the Articulation Index and Hearing in Noise Performance. Poster presented at the American Academy of Audiology 18th Annual Conference, Minneapolis, Minnesota
87. **Vermiglio, A.J.** (2005). Musicians and Hearing Conservation. Invited lecture presented at KoSA International Percussion Workshop, 10th Annual Conference, Castleton, Vermont
88. **Vermiglio, A.J.**, & Soli, S.D. (2005). The Relationship between a Pure Tone Hearing Loss Classification Scheme and Hearing in Noise Performance. Poster presented at the American Academy of Audiology 17th Annual Conference, Washington, DC
89. Chan, J.C.Y., **Vermiglio, A.J.**, Freed, D.J., Kessler, D., Kruger, T., & Soli, S.D. (2005). Assessment of Binaural Functions in Bilateral CI Users. Poster presented at the American Academy of Audiology 17th Annual Conference, Washington, DC
90. Cox, K.M., **Vermiglio, A.J.**, Niparko, J.K., & Soli, S.D. (2005). The Bone Anchored Hearing Aid (BAHA) Single-Sided Deafness Study. Poster presented at the American Academy of Audiology 17th Annual Conference, Washington, DC
91. Soli, S.D., **Vermiglio, A.J.**, & Larson, V.D. (2005). A System for Assessing the Fit of Hearing Protectors in the Field. Poster presented at the National Hearing Conservation Association 30th Annual Conference, Tucson, Arizona
92. Soli, S.D., Chan, J.C.Y., **Vermiglio, A.J.**, Freed, D.J., & Kessler, D. (2005). Assessment of Spatial Unmasking and Sound Localization in Bilateral Implants using Direct Input. Poster presented at the Conference on Implantable Auditory Prostheses. Asilomar, California
93. **Vermiglio, A.J.**, & Soli, S.D. (2004). A Measurement of Sound Level Perception When Using the Bone-Anchored Hearing Aid (BAHA) For Trans-Cranial Stimulation of Individuals with Single-Sided Deafness. Poster presented at the International Hearing Aid Research Conference (IHCON), Lake Tahoe, California
94. Brackman, D., Soli, S. D., & **Vermiglio, A.** (2002). HEI's Experiences with the BAHA for SSD Patients. Bone-Anchored Applications Research Conference, Sardinia, Italy
95. Zhao, Y., Yen, K., Soli, S., Gao, S., & **Vermiglio, A.** (2002). Co-Channel Speech Separation for Assistive Listening. Poster presented at the International Conference on Acoustics, Speech, and Signal Processing, Orlando Florida
96. Zhao, Y., Yen, K. C., Soli, S., Gao, S., & **Vermiglio, A.** (2002). Co-channel speech separation for assistive listening. In Acoustics, Speech, and Signal Processing (ICASSP), 2002 IEEE International Conference on (Vol. 2, pp. II-1945). IEEE.
97. Soli, S.D., **Vermiglio, A.J.**, Wen, K., Laroche, C., Giguere, C., Iwaki, T., Shiroma, M., & Wong, L. (2002). Development of the Hearing In Noise Test (HINT) in New Languages. Lecture given at the American Academy of Audiology, April 2002, Philadelphia, Pennsylvania
98. Soli, S.D., **Vermiglio, A.J.**, Wen, K., & Abdala, C. (2002). Development of the Hearing in Noise Test in Spanish. Invited presentation at the Joint Meeting of the Acoustical Society of America and the Acoustical Society of Mexico, Cancun, Mexico
99. **Vermiglio, A.J.**, Soli, S.D., & Freed, D.J. (2001). The Relationship of Audiometric Thresholds, Hearing-in-Noise Performance (HINT) and Localization Ability (SAINT). Poster presented at the American Academy of Audiology Thirteenth Annual Conference, San Diego, California
100. McFarland, W.H., Soli, S.D., & **Vermiglio, A.J.** (2001). Digital versus Analog Hearing Aid Performance in Noise. Poster presented at the American Academy of Audiology Thirteenth Annual Conference, San Diego, California

101. Soli, S.D., & **Vermiglio, A.J.** (2001). Pure-Tone Audiometry and the Hearing-In-Noise-Test (HINT). Lecture presented to the National Hearing Conservation Association Twenty-sixth Annual Meeting, Raleigh, North Carolina
102. **Vermiglio, A.J.**, & Jones, D. (2001). Musicians and Hearing. Invited lecture presented to the University of Southern California School of Music, Los Angeles, California
103. **Vermiglio, A.J.**, & Soli, S.D. (2000). Traditional Hearing Conservation and the Hearing in Noise Test. Invited lecture for the Los Angeles Chapter of the Acoustical Society, Los Angeles, California
104. Soli, S.D, **Vermiglio, A.J.**, & Cruz, R.J. (2000). Clinical Applications of the Hearing-in-Noise Test (HINT). Instructional course presented at the American Academy of Audiology Twelfth Annual Conference, Chicago, Illinois
105. **Vermiglio, A.J.**, Freed, D.J., & Soli, S.D. (2000). When “Normal” isn’t Normal Part 2: Pure-tone Audiograms, HINT, DPOAE and HHIA Results for Obscure Auditory Dysfunction (OAD) and Control Subjects. Poster presented at the American Academy of Audiology Twelfth Annual Conference, Chicago, Illinois
106. **Vermiglio, A.J.**, Nilsson, M.J., Freed, D.J., Cody, D., & Soli, S.D. (1999). When “Normal” isn’t Normal: Pure-tone Audiograms, HINT, DPOAE and HHIA Results for Obscure Auditory Dysfunction (OAD) and Control Subjects. Poster presented at the American Academy of Audiology Eleventh Annual Conference, Miami, Florida
107. Soli, S.D., Gao, S., **Vermiglio A.J.**, & Freed, D.J. (1999). Prevention of Acoustic Feedback during Hearing Aid Fitting. Instructional course presented at the American Academy of Audiology Eleventh Annual Conference, Miami, Florida
108. Soli, S.D., **Vermiglio, A.J.**, & McCaw, V.M. (1998). The Hearing-in-Noise Test: a HINT of Things to Come. Presentation for House Ear Clinic audiologists. House Ear Clinic, Los Angeles, California
109. Nilsson, M.J., **Vermiglio, A.J.**, & McCaw, V.M. (1998). Aided and Unaided Assessment using HINT for Windows. Instructional course presented at the American Academy of Audiology Tenth Annual Conference, Los Angeles, California
110. **Vermiglio, A.J.**, Nilsson, M.J., Soli, S.D., & Freed, D.J. (1998). Development of a Virtual Test of Sound Localization: The Source Azimuth Identification in Noise Test (SAINT). Poster presented at the American Academy of Audiology Tenth Annual Conference, Los Angeles, California
111. Nilsson, M.J., **Vermiglio, A.J.**, & Soli, S.D. (1998). A Comparison of Signal Detection, Speech Understanding, and Localization Performance. Poster presented at the American Academy of Audiology Tenth Annual Conference, Los Angeles, California
112. **Vermiglio, A.J.**, Nilsson, M.J., & Jones, D. (1998). Hearing Conservation for the Music Industry. Lecture presented at the University of Southern California, Los Angeles, California
113. **Vermiglio, A.J.**, Nilsson, M.J., & Soli, S.D. (1997). Development of the Source Azimuth Identification in Noise Test (SAINT). Poster presented at the American Academy of Audiology Ninth Annual Conference, Fort Lauderdale, Florida
114. Nilsson, M.J., Cody, D.F., **Vermiglio, A.J.**, & Soli, S.D. (1997). Using Speech as a Masker with the HINT to Detect Obscure Auditory Dysfunction. Poster presented at the American Academy of Audiology Ninth Annual Conference, Fort Lauderdale, Florida
115. Soli, S.D., Nilsson, M.J., McCaw, V.M., & **Vermiglio, A.J.** (1997). Use of HINT for Windows to Assess Functional Hearing in Noise. Instructional course presented at the American Academy of Audiology Ninth Annual Conference, Fort Lauderdale, Florida
116. Nilsson, M.J., **Vermiglio, A.J.**, & Jones, D. (1997). Hearing is Priceless: Lecture on Hearing Conservation presented at the Los Angeles Chapter of the Audio Engineers Society. Los Angeles, California

117. Nilsson, M.J., Soli, S.D., & **Vermiglio, A.J.** (1996). Supra-Threshold Directional Hearing with Single Talker Maskers. Poster session presented at Issues in Advanced Hearing Aid Research Conference. Lake Arrowhead, California
118. **Vermiglio, A.J.**, Don, M., & Masuda, A. (1995). Stimulus and Response Analysis of Click Polarity Effects on the Derived Bands of the Auditory Brainstem Response. Poster session presented at the American Academy of Audiology Seventh Annual Conference, Dallas, Texas
119. Don, M., **Vermiglio, A.J.**, Masuda, A., Ponton, C.W., & Eggermont, J.J. (1995). Variable Effects of Click Polarity on Auditory Brainstem Response (ABR) Latencies: Analysis of Narrow-Band ABRs Suggest Possible Explanations. Poster session presented at the Association for Research in Otolaryngology Winter Meeting
120. **Vermiglio, A.J.** (1992). Stimulus Polarity Effects on The Auditory Brainstem Response. Lecture Presented at the Student Research Forum, American Academy of Audiology Fourth Annual Conference, Memphis, Tennessee

Grant Submissions

Vermiglio, A.J., Driscoll, V., Driscoll, K. NIH SBIR Phase I, submitted September 2021. “A Speech Recognition in Noise Test for the Evaluation of Functional Hearing: Online Screening and Clinical Evaluation.” Requested \$258,650.00 (Not funded)

Vermiglio, A.J., Fang, X. Hearing Health Foundation Research Grant, submitted February 2021, “The Diagnostic Accuracy of Central Auditory Processing Tests for the Detection of a Speech Recognition in Noise Disorder.” Requested \$50,000.00 (Not funded)

Vermiglio, A.J., Stuart, A., Fang, X. NIH NIDCD R21 Research Proposal, submitted October 2019, “The Measurement of Speech Recognition in Noise Ability.” Requested \$388,269.00, (Not funded)

Vermiglio, A.J. & Stuart, A. Hearing Health Foundation Emerging Research Grant, submitted December 2016, “Central Auditory Processing Disorder (CAPD) Evaluation: The Diagnostic Accuracy of Commercially Available Speech Recognition in Noise Tests.” Requested \$27,273.00, (Not funded)

Vermiglio, A.J. NIH NIDCD RO3 Research Proposal, submitted Summer 2014, “The Validity of Current Speech Recognition in Noise Test Protocols.” Requested \$436,300.00, (Not funded)

Vermiglio, A.J. Probationary Faculty Support Grant, Spring 2013, “The Effect of Background Noise Type on Speech Recognition in Noise Test Results.” Awarded 3 units of release time

Vermiglio, A.J. NIH NIDCD RO3 Research Proposal, submitted Spring 2012, “Speech Recognition in Noise Ability: The Influence of First Language and Site of Lesion.” Requested \$421,500.00, (Not funded)

Vermiglio, A.J. Probationary Faculty Support Grant, Spring 2012, “The Effect of Language Experience on Audiological Speech Recognition Testing.” Awarded 3 units of release time

Vermiglio, A.J. CSUN Competition for Research, Scholarship and Creative Activity Grant, 2010 – 2011, “Speech Recognition in Noise.” Awarded 3 units of release time

Teaching Experience

East Carolina University, Greenville, NC, Fall 2013 - Present

CSDI 3105 Hearing Science (Undergraduate) Residential Instructor, Fall 2014 - current

Basic information, including acoustics, anatomy and physiology of the ear and central auditory nervous system, and psychoacoustics

CSDI 4003 Special Problems in Speech and Hearing (Undergraduate)

1. Supervision of research project, Laura Hall, The Effect of Musical Experience on AzBio Speech Recognition in Noise Performance and Working Memory, Fall 2021
2. Supervision of research project Kathryn Fennie, The Relationship between Speech Perception in Semantically Meaningful and Anomalous Maskers vs. Working Memory Scores (**Honors Thesis**), Fall 2021
3. Supervision of research project, Ava Cunningham, Listening Effort, Working Memory and Speech Recognition in Noise Ability, Spring 2021, Fall 2021
4. Supervision of research project, Abigail Ormond, The Effect of Conversational vs. Non-Conversational Babble Maskers on Speech Perception (**Honors Thesis**), Spring 2021, Fall 2021
5. Supervision of research project, Kylee Shapiro, Grammar and Speech Recognition in Noise Ability, Spring 2021
6. Supervision of research project, Kacey Sturdivant, The Effect of a History of Otitis Media on Speech Perception in Noise, Spring 2021
7. Supervision of research project, Kokinda, E., The Effect of Dialect on AzBio Sentence Perception in Noise, Fall 2020, Spring 2021, Fall 2021
8. Supervision of research project, Davis, R., Speech Perception in the Presence of Music, Spring 2020, Fall 2020, Spring, 2021
9. Supervision of research project, Emmert, I., Reading Ability and Working Memory, Fall 2018, Spring 2019
10. Supervision of research project, Jordan, E., Reading Ability and Working Memory, Fall 2018, Spring 2019
11. Supervision of research project, Sabatelli, E., Binaural Advantage and Working Memory, Spring, 2019
12. Supervision of research project, Bonilla, E., Speech Recognition in Noise vs. Working Memory, Fall 2018, Spring 2018
13. Supervision of research project, Garner, E., Masking Advantage vs. Working Memory, Fall 2018, Spring 2018
14. Supervision of research project, Scribner, H., Audism, Dis-audism, and Guidelines for Interactions with Deaf Clients; Accommodations for Deaf Audiologists, Spring 2017
15. Supervision of research project, Bulla, E., The HINT vs. The LiSN-S, Fall 2016, Spring 2017
16. Supervision of research project. Herring, C., Masking Conditions for HINT, Spring 2016

CSDI 4100 Introduction to Audiology (Undergraduate) Residential and Distance Learning Instructor, Spring 2014 – Spring 2019

Concepts related to normal hearing, causes and effects of defective hearing, and hearing testing procedures.

HNRS 4500 Senior Honors Project I (Undergraduate)

1. Supervision of Honors Thesis, Moore, H. The Relationship between Binocular and Binaural Advantage, Fall 2018
2. Supervision of Honors Thesis, Skinner, J. The Effect of Dialect and Hearing Sensitivity on Listening in Spatialized Noise-Sentences Test Performances, Fall 2017, Spring 2018
3. Supervision of Honors Thesis, Velappan, K. The Relationship between SCAN: 3A and Hearing in Noise Test Performances. Fall 2016, Spring 2017
4. Supervision of Honors Thesis, Griffin, S. The Binaural Advantage for the Ability to Recognize Speech in Noise. Fall 2015

HNRS 4550 Senior Honors Project II (Undergraduate)

1. Supervision of Honors Thesis, Moore, H. The Relationship between Binocular and Binaural Advantage, Spring 2019
2. Supervision of Honors Thesis, Skinner, J. The Effect of Dialect and Hearing Sensitivity on Listening in Spatialized Noise-Sentences Test Performances. Spring 2018
3. Supervision of Honors Thesis, Velappan, K. The Relationship between SCAN: 3A and Hearing in Noise Test Performances. Spring 2017
4. Supervision of Honors Thesis, Griffin, S. The Binaural Advantage for the Ability to Recognize Speech in Noise. Spring 2016

CSDI 7000 Thesis (Graduate)

Supervision of Master's Thesis, Caldwell, K. (2014-2015), Speech in noise Ability, Outer Hair Cell Function, and Working Memory for Trained Flute Players. Summer 2014, Spring 2015

CSDI 8006 Auditory Processing (Graduate) Residential Instructor, Spring 2018 - current
Contemporary theories of auditory processing. Methodologies in assessment and management of auditory processing skills and disorders.

CSDI 8016 Auditory Physiology (Graduate) Residential Instructor, Spring 2014 - current
Functional anatomy and physiology of auditory nervous system, from level of inner ear to cerebral cortex. Emphasis on describing anatomical and physiological bases for both normal and pathological hearing functions.

CSDI 8020 Advanced Seminar in Communications Sciences – Hearing Conservation (Graduate),
Online Instruction, Spring 2020 – current

CSDI 8020 Advanced Seminar in Communications Sciences (Graduate)
Development of research protocol

CSDI 8999 Predoctoral Independent Study (Graduate)
Counselling in Audiology, Paige Heeke, Spring 2018
Research preparation

California State University, Northridge, CA, Fall 2009 – Spring 2013

CD 445 Audiometry and Hearing Conservation, (Undergraduate) Residential and Distance Learning Instructor, Fall 2009 – Fall 2016
Study of the basic battery of audiologic tests including equipment calibration procedures, pure tone and speech audiometry, clinical masking, and the study of school and industrial identification audiometry and hearing conservation

CD 502 Research in Communication Disorders, (Graduate) Distance Learning Co-instructor, Fall 2009 – Fall 2016
Applied research methods and instrumentation in the field of communication disorders, including literature presentation techniques, research design, statistical tests, laboratory instrumentation and calibration, and report preparation.

CD 674 Pediatric Audiology, (Graduate) Residential and Distance Learning Instructor, Fall 2009 – Fall 2015
Advanced study of the causation, assessment and management of auditory disorders in infants and children

CD 501 Interviewing and Counseling in Communication Disorders, (Graduate) Distance Learning
Co-instructor, Spring 2010 - Spring 2015

Psycho-social dynamics of interviewing and counseling persons with communication disorders and their families. Course content also includes ethical and legal standards of practice in speech-language pathology and audiology.

CD 410 Hearing Science, (Undergraduate) Residential and Distance Learning Instructor, Summer 2010 – Summer 2015

Study of physics of sound, anatomy and physiology of the ear, and measurement of the perception of sound.

Touro College, Los Angeles, CA Fall 2010 – Spring 2013

COC 309 Audiology, (Undergraduate) Residential Instructor, Spring 2011, Spring 2013

Study of basic battery of audiologic tests, including equipment calibration procedures, pure tone and speech audiometry, clinical masking, and the study of school identification audiometry. Familiarization with basic audiologic equipment, calibration, and test procedures.

COC 308 Hearing Science, (Undergraduate) Residential Instructor, Fall 2010, Fall 2012

Study of physics of sound, anatomy and physiology of the ear, and measurement of the perception of sound.

California State University, Long Beach, CA, Fall 2008

CD 432 Audiology, (Undergraduate) Residential Instructor, Fall 2008

Anatomy, pathology and evaluation of the outer, middle, and inner ear, the central auditory system, and functional hearing loss.

Service - East Carolina University

University Service

Faculty Senate, member, (May 2021 – present)

QEP Writing Assessment

Reviewer for ECU's Writing across the Curriculum (WAC) Program and Quality Enhancement Plan, "Write Where You Belong," May 2017

College Service

CAHS Graduate Curriculum Committee, member (2020 – present)

CAHS Graduate Curriculum Committee, chair (2019 – 2020)

CAHS Undergraduate Curriculum Committee, member (2015 - 2016)

Department Service

CSDI Personnel Committee – Spring 2019 - present

Scholarship Committee – Spring 2018, Spring 2019

Undergraduate Curriculum Committee – Summer 2018

Department Early Assurance Committee, ECU, Department of Communication Sciences and Disorders, Fall 2018

Strategic Planning Committee – July 2017, December 2017

Contributor to CAA report

Director of Undergraduate Education, ECU Department of Communication Sciences and Disorders, Fall 2015 – 2016

Department Admissions Committee, AuD Program, ECU Department of Communication Sciences and Disorders, Fall 2013 – current

Department Curriculum Committee, AuD Program, ECU Department of Communication Sciences and Disorders, Spring 2014 – current

Department Undergraduate Committee, ECU, Department of Communication Sciences and Disorders, Fall 2013 - current

Search Committees, ECU, Department of Communication Sciences and Disorders, Fall 2013 - current

Member, Clinical audiology faculty in CSDI (2019)

Member, Clinical audiology faculty in CSDI (2018)

Member, Tenure-track audiology faculty in CSDI (2017)

Member, Tenure-track speech-language faculty in CSDI (2017)

Member, Tenure-track faculty in CSDI (2016)

Member, Fixed-term faculty in CSDI (2016)

Member, Audiology clinical instructor (2015)

Chair, Clinical speech language pathology instructor/internship coordinator (2015)

Member, Clinical Assistant professor (2015)

Member, Aphasia position (2014)

Member, Speech language pathologist (2013)

QEP Writing Liaison, ECU Department of Communication Sciences and Disorders, Fall 2015 – Spring 2016

Student Academy of Audiology, Advisor, Spring 2014 – Fall 2015

Recruitment

PhD Program Fair at the American Academy of Audiology Conference: Discussed the ECU PhD and AuD programs with attendees at the national conference for audiology San Antonio, Texas March 26, 2015

PhD Program Fair at the American Academy of Audiology Conference: Discussed the ECU PhD and AuD programs with attendees at the national conference for audiology in Orlando, Florida, March 27, 2014

ECU – Prescription for Success (2014, 2015)

Community Service While Employed at ECU

Volunteer Jazz Performance for Smoke on the Water Event, Washington, NC, October 19, 2019

Volunteer Rehearsal Conductor, Peoples Baptist Church, Greenville, NC, 2018 – 2020

Volunteer Jazz Performance for St. Timothy's Episcopal Church, Lobster Festival, October 27, 2018

Volunteer Jazz Performance for Smoke on the Water Event, Washington, NC, October 20, 2018

Volunteer Jazz Performance for Wounded Warrior Event, Chocowinity, NC, October 13, 2018

Volunteer Jazz Performance for Smoke on the Water Event, Washington, NC, October 21, 2017

Volunteer Jazz Performance for Lobster Festival, St. Timothy, Greenville, NC, October 14, 2017

Volunteer Jazz Performance for Event at Greenville Museum of Art, Spring 2017

Volunteer Percussion Advisor, Greenville Christian Academy Music Program, 2014 – 2017

Community Service While Employed at ECU – Media Interviews

Radio Interview, Hearing Preservation with Wendy Bridgers on Family Health Matters, WBIS-LP 106.9 FM, Awesome Radio, May 17, 2018

Service - California State University, Northridge

Admissions Committee - Coordinator, CSUN, Department of Communication Disorders and Sciences, Fall 2011, Spring 2012, Spring 2013

Advisement Committee - Coordinator, CSUN, Department of Communication Disorders and Sciences, Fall 2012, Spring 2013

Admissions Committee, CSUN, Department of Communication Disorders and Sciences, Fall 2009, Spring 2010, Fall 2010, Spring 2011

Advisement Committee, CSUN, Department of Communication Disorders and Sciences, Fall 2010, Spring 2011, Fall 2011, Spring 2012

Commencement Committee, CSUN, College of Health and Human Development, Department of Communication Disorders and Sciences, Spring 2010, Spring 2011

Comprehensive Exam Committee, CSUN, Department of Communication Disorders and Sciences, Fall 2009, Spring 2010, Fall 2011, Spring 2012

Professional Service

American Academy of Audiology (AAA)

Conference committee member, reviewed learning module submissions for the conference in April 2018

American Speech-Language Hearing Association (ASHA)

ASHA committee on Clinical Research, Implementation Science, and Evidence-Based Practice (CRISP), member, 2021

ASHA committee on Clinical Research, Implementation Science, and Evidence-Based Practice (CRISP), consultant, 2021

Special Interest Group 6, Hearing and Hearing Disorders: Research and Diagnostics, 2020

Professional Development Committee 2019

Reviewer and contributor, **content matter expert** for the ASHA Practice Portal on Central Auditory Processing Disorders, 2017

National Science Foundation (NSF)

Skype meeting requested by Ed Auer, PhD regarding the present status of speech perception testing in audiology and ideas for advancement of this field. April 3, 2017.

Vermiglio, A. J. (2017). "Does Auditory Processing Disorder Meet the Criteria for a Legitimate Clinical Entity" Invited blog post for ASHA Leader, April 23, 2017. This blog post was cited as one of the top five most popular for 2017.

Planning committee member for the American Speech-Language-Hearing Association Conference in Chicago (2013)

Peer Reviews of Articles Submitted to Scholarly JournalsAmerican Journal of Audiology

1. Using Filtered Speech Thresholds to Predict pure Tone Thresholds (December 2016)

Canadian Journal of Speech Language Pathology and Audiology

2. Normative data for 6 and 7 year olds on the Swedish Hearing In Noise Test (December 2015)

Ear and Hearing

3. QuickSIN and BKBSIN Speech-in-Noise Tests in Older Adults (June, 2020)
4. The relations between auditory processing scores and cognitive, listening and reading abilities, revision (June 2020)
5. The relations between auditory processing scores and cognitive, listening and reading abilities (March 2020)
6. Can Auditory Processing Abilities Predict Hearing Aid Satisfaction in Adults with Hearing Loss? A Systematic Review (January 2020)
7. Creation of optimal cut-points from scores of the digits-in-noise task based on hearing status (October 2019)
8. Secondary Auditory Processing Disorder in Children with Mild-to-Moderate Sensorineural Hearing Loss (August 2019)
9. Preliminary guidelines for replacing word-recognition in quiet with speech-in-noise testing in the routine audiologic test battery (July 2019)
10. Reduced Attention and Working Memory in Children with Reported Listening Difficulties (February 2019)
11. The Opinion of Dutch Speech-Language Therapists and Audiologists on Characteristics, Comorbidity and the Referral of Children with (Suspected) Auditory Processing Disorders: a Delphi Study (January 2018)
12. A Retrospective Estimate of Ear Disease Detection Using the "Red Flags" in a Clinical Sample (revision) (January 2018)
13. A Retrospective Estimate of Ear Disease Detection Using the "Red Flags" in a Clinical Sample
14. Can auditory processing disorder be detected in 5-year-old children? (July 2017)
15. Directional microphone contralateral routing of signals in cochlear implant users: a within-subjects comparison (December 2016)
16. The relations between auditory processing scores and cognitive, listening and reading abilities (February 2020)

Universal Journal of Clinical Medicine

17. A Case Series Report: Prelingually Deaf Cochlear Implant Users and Factors Associated with Outcomes (November 2013)

International Journal of Audiology

18. English language and language-free detection of spatial processing disorders in Aboriginal and Torres Strait Islander children, revision (December 2019)
19. Setting appropriate diagnostic criteria for auditory processing disorder (APD) consistent with co-existing neurodevelopmental conditions (December 2019)
20. English language and language-free detection of spatial processing disorders in Aboriginal and Torres Strait Islander children (December 2019)
21. Clinical Evidence on the Diagnosis of Amblyaudia, a Binaural Integration Type of auditory Processing Disorder, revision (November 2015)
22. Clinical Evidence on the Diagnosis of Amblyaudia, a Binaural Integration Type of auditory Processing Disorder (May 2015)
23. Applications of the NTID Speech Recognition Test (NSRT®), revision (May 2015)
24. Normative data for 6 and 7 year olds on the Swedish Hearing in Noise Test (January 2015)
25. Applications of the NTID Speech Recognition Test (NSRT®) (November 2014)

Journal of Educational Pediatric and Rehabilitative Audiology

26. Comorbidity of Auditory Processing Disorder and Language Disorder (May 2020)
27. A Method for Identifying Auditory Processing in Children with Cognitive Limitations (May 2018)

Journal of Medical Genetics

28. Auditory Evoked Potentials in Children and Adolescents with Down Syndrome, revision (July 2017)
29. Auditory Evoked Potentials in Children and Adolescents with Down Syndrome (May 2017)

Journal of Speech, Language, and Hearing Research

30. Ageing Effects on Categorical Perception of Mandarin Lexical Tones in Noise (October 2020)

Journal of the American Academy of Audiology

31. Using sensitivity and specificity of the basic audiological test battery to guide the diagnosis of auditory pathology: A systematic review with meta-analysis (June 2022)
32. Effects of residual hearing thresholds on consonant perception between simulated bimodal and electric acoustic stimulation hearing (February 2021)
33. The effect of Competition, Signal-to-Noise-Ratio, Race, and Sex on Southern American English Dialect Talkers' Sentence recognition, revision (October 2019)
34. The effect of Competition, Signal-to-Noise-Ratio, Race, and Sex on Southern American English Dialect Talkers' Sentence recognition (May 2019)
35. Using a digital language processor to quantify the auditory environment and the effect of hearing aids for adults with hearing loss, revision (March 2017)
36. Quantifying the auditory environment as an objective real-world outcome measure for adult hearing aid users (September 2016)
37. Non-native Speech Recognition in High-Variability Listening Conditions using PRESTO (November 2013)
38. Non-native Speech Recognition in High-Variability Listening Conditions using PRESTO (July 2013)
39. Overview of eight home- and computer-based rehabilitation training programs for adult cochlear implant recipients, revision (April 2013)
40. Overview of eight home- and computer-based rehabilitation training programs for adult cochlear implant recipients (February 2013)

Language, Speech, and Hearing Services in Schools

41. Validity of the MAPA-2: A Test of Auditory Processing Disorder (February 2020)

Academic Reviewer for University of Pretoria, South Africa

Masters dissertation, "Are listening difficulties in children related to speech recognition in noise and binaural intelligibility level difference?" Dissertation submitted in fulfilment of the requirements for the degree MA (Audiology) in the Department of Speech-Language Pathology and audiology, University of Pretoria, South Africa.

Reviewer for International Grant

Action on Hearing Loss (UK) International Project Grant

Health Sciences Advisory Board Member

Bob Jones University, College of Health Sciences, Greenville, NC, 2019 - 2020

Awards

ASHA Meritorious Poster Submission, Bonilla, E. & Vermiglio, A., Unordered Memory Differences between Groups with Top & Bottom Speech Recognition in Noise Ability (2020)
ECU Honored Instructors Award from Campus Living the Residence Hall Association (2018)
House Ear Institute, Employee of the Year for Scientific Support (2005)
University of Iowa, full scholarship for the Ph.D. program in audiology (1994)
University of Washington, full scholarship for the Ph.D. program in audiology (1994)
American Academy of Audiology, Student Research Forum Winner (1992)

Media Interviews Conducted While Employed at CSUN 2010 – 2011

Radio Interview, Hearing Preservation with John Voket on Connecticut Radio Star 99.9 FM, June 5, 2011
Radio Interview, Hearing Preservation with Tina Mieka on The Sound 100.3 FM, May 8, 2011
The Wall Street Journal, “Sounds Like Teen Spirit,” May 7, 2011
Performer Magazine, “5 Ways to Save Your Ears,” May, 2011
DJ Times Magazine, “How to Preserve Your Hearing,” March 1, 2011

Media Interviews Conducted Prior to Employment at CSUN

Interviewed for several local and national news and information programs for KCBS, KNBC, KCAL, KABC, FOX, Channel ONE, Good Morning America, the Russian Television Network and NPR. Also interviewed for several print and web news stories, discussed hearing conservation issues.

Movie Appearance

Documentary “The Heart is a Drum Machine” (2009), appeared with engineer and producer Eddie Kramer (audio engineer/producer for the Beatles, Jimi Hendrix, Led Zeppelin and the Rolling Stones). Discussed how sound is processed by the auditory system.

U.S. Military Schools

U.S. Army Reserves Advanced Non-commissioned Officers Academy, March Air Force Base, CA, 1987
U.S. Navy, Shipboard Instructors Training School, Naval Amphibious Base, Norfolk, VA, 1977
U.S. Armed Forces School of Music Basic Course, Naval Amphibious Base, Norfolk, VA, 1974
U.S. Navy, Basic Training “Boot Camp” Naval Training Center, San Diego, CA, 1973