

**Bloomsburg University of Pennsylvania**  
**Department of**  
**Communication Sciences and Disorders**  
**Annual Report 2019**



# Department of Communication Sciences and Disorders

## *Annual Report 2019*

Chairperson Message.....1

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Disorders: [giving.bloomu.edu/csd](https://giving.bloomu.edu/csd)

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## Chairperson's Message

As we review the previous academic year, I would like to update you with some of the notable departmental achievements that have occurred during 2019:

- Zippia.com, a career planning website, named Bloomsburg University one of the top seven schools in Pennsylvania for communication sciences and disorders majors (<https://www.zippia.com/communication-disorders-sciences-major/#best-communication-disorders-sciences-colleges-in-pennsylvania>). Zippia's ranking criteria included mean earnings of communication disorders sciences majors six to 10 years after graduation; the percentage of the graduating class of the school that are communication disorders sciences majors, and school performance, such as admissions rate, graduation rate and median amount of debt after college. BU was ranked #4 on the list.
- Our Master of Science program in Speech-Language Pathology continues to excel and has been awarded a grade of "A" by SpeechPathologyGraduatePrograms.org (<https://www.speechpathologygraduateprograms.org/top-slp-masters-programs>) as one of the best accredited SLP Master's programs in the country. This organization looked at the 240+ accredited programs that made student outcome data available and...
  - Identified Praxis exam pass rates, on-time completion rates and employment rates posted on each school's website
  - Found the average annual tuition cost for graduate programs at each school by looking at the Department of Education's National Center for Education Statistics
  - Developed a formula for grading these programs, giving weight to both student outcomes and comparative cost
- The professional certificate in Intraoperative Neuromonitoring (IONM) led by Dr. Yue and aided by a team of IONM specialists at Geisinger Medical Center, was awarded national accreditation from the Commission on Accreditation of Allied Health Education Programs (CAAHEP) in May 2019, making our program one of only three accredited programs in the nation. Students from many different majors can apply for this certificate program, and you can read more about the IONM program here: <http://www.bloomu.edu/gradschool/ionm>
- Both M.S., in Speech -Language Pathology and the Clinical Doctorate in Audiology (Au.D.) programs remain fully accredited by the American Speech & Hearing Association Council on Academic Accreditation (ASHA-CAA) (<https://www.asha.org/eweb/ashadynamicpage.aspx?site=ashacms&webcode=caalisting&caacat=aud> by searching for "Bloomsburg University"). We are in the middle of a reaccreditation cycle and will undergo a site visit by the ASHA-CAA in early April 2020.

- Dr. Cara Tolan continues her work toward her Ph.D. at Alvernia College and has now entered into the dissertation phase of her doctoral work - we look forward to her program completion in the near future.
- During the last few years, our faculty have authored or co-authored research published in a variety of peer-reviewed journals including the *Journal of Voice*, *Folia Phoniatrica*, the *American Journal of Speech-Language Pathology*, and the *Journal of Speech-Language-Hearing Research* (Awan), The *TESOL Journal* (Teachers of English to Speakers of Other Languages) (Cardimona), The *American Journal of Speech-Language Pathology* (Scarpino), *Audiology Research*, the *Journal of Hearing Science*, and the *Hawaii Journal of Medicine and Public Health* (Shaikh), *Perspectives in Gerontology* (Smith), the *Asian Spine Journal* and *World Neurosurgery* (Yue), and the *Journal of School Health* and the *Journal of Adolescent Health* (Zalewski). In addition, a new comprehensive textbook published by Thieme entitled “Laryngeal Function and Voice Disorders: Basic Sciences to Clinical Practice” was co-authored by Dr. Awan and released in Spring 2019.
- All of our faculty have been active in presenting their research at international/national and state-level conferences. Congratulations to Dr. Scarpino who recently received a BU College of Science and Technology Research award (Feb. 2019) for her research activities at the College of Science and Technology spring meeting on Feb. 7, 2020.

Thank you for your interest in the activities of the Department of Communication Sciences and Disorders! We hope to hear from you to learn of your own personal and professional success and hope that some of you will consider coming back to Bloomsburg for one of our open houses to talk with our current and prospective students about your experiences.

Shaheen N. Awan, Ph.D. CCC-SLP ASHA Fellow  
 Chairperson, Dept. of Audiology & Speech Pathology  
 Professor of Speech Pathology  
 Centennial Hall, Rm. 235  
 Bloomsburg University of PA  
 Bloomsburg, PA USA 17815



Shaheen Awan and Robert  
Sataloff, MD, Chairman

**Name:** Shaheen N. Awan Ph.D. CCC-SLP

**Rank:** Professor, Speech Pathology

**Titles:** Chairperson, Dept. of Audiology & Speech Pathology (Jan. 2015 – Aug. 2016; June 2017-Present)

**Interim Asst. Vice President & Dean of Graduate Studies and Sponsored Programs (Aug. 2016 – June 2017)**

**Fellow of the American Speech-Language-Hearing Association (2009)**

#### **Scholarly Interests**

Acoustic analysis of speech and voice; assessment and treatment of disordered voice

#### **Education**

Kent State University, Kent, OH (Ph.D. Speech Pathology 1989)

Clarion University of PA, Clarion, PA (M.S. Speech Pathology 1986)

University of Western Ontario, London, Ont. Canada (B.A. History & English 1984)

#### **Awards**

Journal of Voice Best Paper Award (Speech Pathology Category) for Awan SN, Roy N, Zhang D, Cohen S. (2016). Validation of the Cepstral Spectral Index of Dysphonia (CSID) as a Screening Tool for Voice Disorders: Development of Clinical Cutoff Scores. Awarded at the 46<sup>th</sup> Annual Symposium: Care of the Professional Voice, June 3, 2017.

#### **2017-2019 Publications**

##### ***Scholarship: Books***

Watts C, Awan SN. (2019). *Laryngeal Function and Voice Disorders: Basic Science to Clinical Practice*. Thieme Medical Publishers: New York, NY. <https://www.thieme.com/books-main/otolaryngology/product/5227-laryngeal-function-and-voice-disorders>

## Peer-Reviewed Research Articles & Book Chapters

1. Alharbi GG, Cannito MP, Buder EH, Awan SN. (2019). Spectral /Cepstral Analyses of Phonation in Parkinson's Disease Before and After Voice Treatment. *Folia Phoniatrica*, 2019;71(5-6):275-285. <https://www.ncbi.nlm.nih.gov/pubmed/31117110>
2. Awan SN. (2019). Cepstral Analysis. In Damico JS & Ball MJ. *The SAGE Encyclopedia of Human Communication Sciences and Disorders*. SAGE Publications Inc.; Thousand Oaks, CA. <https://books.google.com/books?id=PzyKDwAAQBAJ&pg=PA1&source=gbp toc r&cad=2#v=onepage&q&f=false> )
3. Awan SN. (2019). Nasalance and Nasometry. In Damico JS & Ball MJ. *The SAGE Encyclopedia of Human Communication Sciences and Disorders*. SAGE Publications Inc.; Thousand Oaks, CA. <https://books.google.com/books?id=PzyKDwAAQBAJ&pg=PA1&source=gbp toc r&cad=2#v=onepage&q&f=false>
4. Awan SN, Gartner-Schmidt J, Timmons L, Gillespie A. (2018). Effects of a Variably Occluded Face Mask on the Aerodynamic and Acoustic Characteristics of Connected Speech in Patients with and without Voice Disorders. *Journal of Voice*, Sep;33(5):809.e1-809.e10. <https://www.ncbi.nlm.nih.gov/pubmed/30082107>
5. Patel R, Awan SN, Barkmeier-Kraemer J, Courey M, Deliyski D, Eadie TL, Paul D, Svec J, Hillman RE. (2018). Recommended protocols for instrumental assessment of voice: American Speech-Language-Hearing Association Expert Panel to Develop a Protocol for Instrumental Assessment of Vocal Function. *American Journal of Speech-Language Pathology*, 27(3), 887-905. <https://www.ncbi.nlm.nih.gov/pubmed/29955816>
6. Awan SN, Awan JA, Watts CR, & Gaskill CS (2017). Response to Aichinger and Kubin Re: Letter to the Editor "Acoustic and Perceptual Classification of Within-Sample Normal, Intermittently Dysphonic, and Consistently Dysphonic Voice Types." *Journal of Voice*, 32(3):383-384. <https://www.ncbi.nlm.nih.gov/pubmed/28687382>
7. Gillespie, A. I., Gartner-Schmidt, J., Lewandowski, A., & Awan, S. N. (2017). An Examination of Pre- and Posttreatment Acoustic Versus Auditory Perceptual Analyses of Voice Across Four Common Voice Disorders. *Journal of Voice: Official Journal of the Voice Foundation.*, 32(2):169-176. <https://www.ncbi.nlm.nih.gov/pubmed/28688672>
8. Watts, C. R., Awan, S. N., & Maryn, Y. (2017). A Comparison of Cepstral Peak Prominence Measures from Two Acoustic Analysis Programs. *Journal of Voice: Official Journal of the Voice Foundation*, 31(3), 387.e1-387.e10. <https://www.ncbi.nlm.nih.gov/pubmed/27751661>
9. Gaskill, C. S., Awan, J. A., Watts, C. R., & Awan, S. N. (2017). Acoustic and Perceptual Classification of Within-sample Normal, Intermittently Dysphonic, and Consistently Dysphonic Voice Types. *Journal of Voice*, 31(2), 218–228. <https://www.ncbi.nlm.nih.gov/pubmed/27241579>



10. Vogel, A. P., Wardrop, M. I., Folker, J. E., Synofzik, M., Corben, L. A., Delatycki, M. B., & Awan, S. N. (2017). Voice in Friedreich Ataxia. *Journal of Voice*, 31(2), 243.e9-243.e19.  
<https://www.ncbi.nlm.nih.gov/pubmed/27501923>

#### ***Scholarship: Research Papers/Presentations***

1. Awan SN, Awan JA. Use of a Vortex Whistle for Measures of Respiratory Capacity and Control. Presented at the 2019 American Speech-Language-Hearing Association Convention, Orlando, FL.
2. Watts CR, Awan SN. Low-Tech Options for Aerodynamic Assessment of Voice Disorders: Review and Demonstration for Clinical Practice. Presented at the 2019 American Speech-Language-Hearing Association Convention, Orlando, FL.
3. Awan SN, Awan JA. Acoustic Classification of Rough Voices: Description of a Two-Stage Cepstral Analysis Procedure. Presented at the 48<sup>th</sup> Annual Care of the Professional Voice: Voice Foundation Symposium, Philadelphia, PA USA, June 2019.
4. Awan SN, Awan JA. A two-stage cepstral analysis procedure for the classification of rough voices. Presented at the 2018 American Speech-Language-Hearing Association Convention, Boston, MA.
5. Awan SN, Carnes O, LaForge K. Effects of voicing activity detection (VAD) on cepstral and spectral measures of voice. Presented at the 2018 American Speech-Language-Hearing Association Convention, Boston, MA.
6. Awan SN, Gartner-Schmidt JL, Timmons LK, & Gillespie AI. Effects of a variably occluded face mask on the aerodynamic and acoustic characteristics of connected speech in patients with and without voice disorders. Presented at The Fall Voice Conference; October 25-27, 2018; Seattle, Washington.
7. Awan SN, Awan JA. Low-Cost Aerodynamic Measures Using a Vortex Whistle. Presented at the 47<sup>th</sup> Annual Care of the Professional Voice: Voice Foundation Symposium, June 2018.
8. Alharbi G, Buder EH, Awan SN, Cannito MP. Spectral/Cepstral Analysis of Phonation in Parkinson's Disease Before and After Voice Treatment. Presented at the 47<sup>th</sup> Annual Care of the Professional Voice: Voice Foundation Symposium, June 2018.
9. Awan SN, Gartner-Schmidt J, Timmons L, Gillespie A. Effects of a Variably Occluded Face Mask on the Acoustics and Aerodynamics of Connected Speech in Patients with and without Voice Disorders. Presented at the 47<sup>th</sup> Annual Care of the Professional Voice: Voice Foundation Symposium, June 2018.
10. Awan SN, LaForge K, Carnes O. Reexamination of the Spectral and Cepstral Components Used in the Prediction of Dysphonia Severity. Presented at the 46<sup>th</sup> Annual Symposium: Care of the Professional Voice, Philadelphia, PA. May 31 – June 4, 2017.

**2019 Funding**

N/A

**2019 Teaching**

Spring: Voice Disorders (CSD 560)

Clinical Instrumentation (CSD 574)

Fall: Research in Communication Disorders (CSD 582)

Clinical Instrumentation (CSD 574)

**2018 Service Activities**

Graduate Council

COST Chair's Committee

Strategic Enrollment Planning – Graduate Programs



## **Kimberly Cardimona, Ph.D., Associate Professor**

### **Scholarly Interests**

- Second language acquisition
- Pre-teacher self-efficacy through authentic teaching experiences
- Bullying in immigrant populations
- Prescriptive Grammar
- Separating language difference from disorder

### **Education**

- Pennsylvania State University, Ph.D. Curriculum & Instruction/Language & Literacy Education, 12/2011
- Wilkes University, MS Instructional Technology, 2004
- Wilkes University, MS Education, 2002
- Clarion University, BS Education, 1983

### **Teaching 2019**

#### Spring 2019

CSD 415/515: Basic Language and Communication (2 sections)

CSD 420/520: Cultural Awareness and Sensitivity

CSD 432/532: Communication/Education of ELLs

CSD 497/597: Professionalism and Field Experience

INTSTUDY 425: Interdisciplinary Capstone Service Project

#### Summer 2019

CSD 432/532: Communication/Education ELLs

#### Fall 2019

CSD 240: Normal Language Acquisition (2 sections)

CSD 415/515: Basic Language and Communication (2 sections)

CSD 425/525: Assessment and Support Services for ELLs

## CSD 497/597: Professionalism and Field Experience

### Thesis Committees

Holub, Lauren (2019). Thesis, Bloomsburg University (Communication Sciences and Disorders):  
“The Impact of Children’s Executive Function Skills and Home Literacy Experiences on the Complexity of their Story Retells.”

Dye, Clint, (2018): Thesis, Bloomsburg University (Communication Sciences and Disorders):  
“Accuracy and Substitutions of the Shared Phonemes of Spanish-English Dual Language Learners.”

Perez, Sofia, (2018): Thesis, Bloomsburg University (Communication Sciences and Disorders):  
“Mothers’ Ratings of their Children’s Speech Production Abilities.”

### Service 2019

#### University

2017-2019: Middle States Commission Steering Group

2019: Promotion Committee

#### College

2013-Present COST Curriculum Committee

#### Department

2013- Present: Department Curriculum Committee; Chair

2016-Present: Evaluation Committee

2016-Present: Search and Screen Committee

2013-Present: Scholarship Committee

2013-Present: Assessment Committee

### Scholarship:

January, 2017: ***International Academic Forum: Educating for Change***, Honolulu Hawaii.  
“Increasing Preservice ESOL Teachers Sense of Self-Efficacy and Preparedness: The Significance of Authentic Learning Experiences.”



**Shelley E. Scarpino, Ph.D. CCC-SLP**  
**Associate Professor**

## **SCHOLARLY INTERESTS**

Dr. Scarpino's research focuses on the development of speech, language and early literacy skills in preschool children with a particular focus on the Spanish-English speaking population. She has worked as an investigator on several federally funded research projects aimed at developing instruments for use in the assessment of Spanish-English speakers. Currently, Dr. Scarpino is co-principal investigator on a grant funded by the Institute of Education Sciences, *Development of the Bilingual Assessment of Phonological Sensitivity*. She has also worked on other federally funded grants, namely the *Bilingual Phonological Assessment (BiPA)*, designed to assess children's English and Spanish phonological skills; and the *Center for Early Care and Education Research, Dual Language Learners (CECER-DLL) Parent and Teacher Questionnaires*, designed to gain insight into DLLs' home and school language experiences.

## **EDUCATION**

Pennsylvania State University, University Park, PA, Ph.D., Communication Sciences and Disorders  
Bloomsburg University of Pennsylvania, Bloomsburg, PA, M.S. Speech Pathology  
Bloomsburg University of Pennsylvania, Bloomsburg, PA, B.S. Elementary Education

## **PEER-REVIEWED PUBLICATIONS**

Keffala, B., **Scarpino, S.E.**, Hammer, C.S., Rodríguez, B., López, L., & Goldstein, B. (in press). Vocabulary and phonological abilities affect dual language learners' consonant production accuracy within and across languages: A large-scale study of 3-6-year-old Spanish-English dual language learners. *American Journal of Speech Language Pathology Special Issue on Innovations in Clinical Practice with Dual Language Learners*.

**Scarpino, S.E.**, Hammer, C.S., Goldstein, B., Rodríguez, B.L., & López, L.M. (2019). Effects of home language, oral language skills, and cross-linguistic phonological abilities on whole-word proximity in Spanish-English Speaking children. *American Journal of Speech-Language Pathology*, 28(1), 174-187.

Ramirez, R., Cycyk, L., **Scarpino, S.**, Lopez, L., & Hammer, C.S. (2019). Teacher beliefs and misconceptions regarding dual language learners in Head Start: An opportunity for enhancing professional development. *NHSA Dialog: A Research-to-Practice Journal for the Early Intervention Field*, 22(2).

## PEER-REVIEWED PRESENTATIONS

Bupp, M.\* & **Scarpino, S.E.** (November, 2019). *Dual language learners' phonological complexity and accuracy in English*. Poster presented at the Annual Convention of the American Speech-Language-Hearing Association, Orlando, FL.

**Scarpino, S.E.**, Hammer, C.S., Keffala, B., Goodwin, S., Bowles, R. (November, 2019). *Supporting Spanish-English bilingual children's phonological awareness skills*. Session to be presented at the Annual Convention of the American Speech-Language-Hearing Association, Orlando, FL.

Hammer, C.S., **Scarpino, S.E.** Bowles, R., Goodwin, S., Keffala, B. (January, 2019). *Bilingual Assessment of Phonological Sensitivity (BAPS): Test design and initial findings*. Poster presented at the Institute of Education Sciences Annual Principal Investigators Meeting, Washington, DC.

Keffala, B., **Scarpino, S.E.**, & Hammer, C.S. (June, 2019). *Interaction effects in shared and unshared phonetic inventories of Spanish-English bilingual preschoolers*. Poster presented at the International Child Phonology Conference, Montreal, QC, Canada.

Castro, D., Hammer, C.S., Franco, X., Cycyk, L., & **Scarpino, S.E.** (March, 2019). *Documenting children's' bilingual language experiences at home and in the early education setting*. Panel presentation at the Biennial Meeting of the Society for Research in Childhood Development, Baltimore, MD.

**Scarpino, S.E.**, Goodwin, S., Hammer, C.S., Keffala, B., Bowles, R., & Hokenson, J. (March, 2019). *Relations between Spanish-English DLLs' Performance on the Bilingual Assessment of Phonological Sensitivity (BAPS) and Vocabulary*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Baltimore, MD.

Hammer, C.S., **Scarpino, S. E.**, Keffala, B., Goodwin, S., Bowles, R., & Hokenson, J. (November, 2018). *Development of the Bilingual Assessment of Phonological Sensitivity*. Poster presented at the Annual Convention of the American Speech, Language, Hearing Association, Boston, MA.

**Scarpino, S.E.** & Anthony, M.\* (November, 2018). *Phonetic transcription of disordered speech with and without video input*. Poster presentation at the Annual Convention of the American Speech, Language, Hearing Association, Boston, MA.

**Scarpino, S.E.** & Slemmer, V.\* (November, 2018). *Preschoolers' PCC-R Derived from a single word articulation test and story retell*. Poster presented at the Annual Convention of the American Speech, Language, Hearing Association, Boston, MA.

**Scarpino, S.E.**, Mendez, L., Bitetti, D., & Hammer, C.S. (November, 2018). *Vocabulary and phonological awareness associations across languages in kindergarten Latino children*. Poster presented at the Annual Convention of the American Speech, Language, Hearing Association, Boston, MA.

**Scarpino, S.E.**, Keffala, B., & Hammer, C.S. (October, 2018). *English fricative and affricate production accuracy and substitution patterns of Spanish-English speaking children in the US*. Paper presented at the 17<sup>th</sup> International Clinical Phonetics and Linguistics Association Conference, Valletta, Malta.

- Scarpino, S.E.,** Keffala, B., & Hammer, C.S. (October, 2018). *Predictors of phonological accuracy in Spanish-English speaking children*. Paper presented at the 17<sup>th</sup> International Clinical Phonetics and Linguistics Association Conference, Valletta, Malta.
- Keffala, B., **Scarpino, S.E.,** & Hammer, C.S. (October, 2018). *Spanish phonotactic constraints affect bilingual children's English coda productions*. Paper presented at the 17<sup>th</sup> International Clinical Phonetics and Linguistics Association Conference, Valletta, Malta.
- Hammer, C.S., **Scarpino, S.E.,** & Keffala, B. (October, 2018). *Test design and initial findings of the Bilingual Assessment of Phonological Sensitivity*. Poster presented at the 17<sup>th</sup> International Clinical Phonetics and Linguistics Association Conference, Valletta, Malta.
- Hammer, C.S., **Scarpino, S. E.,** Keffala, B., Goodwin, S., Bowles, R., & Hokenson, J. (June, 2018) *Bilingual Assessment of Phonological Sensitivity: Test design and initial findings*. Poster presented at the National Research Conference on Early Childhood, Alexandria, VA.
- Keffala, B., **Scarpino, S.E.,** & Hammer, C.S. (June, 2018) *Spanish phonotactic constraints influence bilingual children's English coda segment productions*. Paper presented at the International Child Phonology Conference, Chania, Greece.
- Hammer, C.S., **Scarpino, S.E.,** Goodwin, S. Keffala, B., Bowles, R., & Hokenson, J. (May, 2018). *Bilingual Assessment of Phonological Sensitivity: Test design and initial findings*. Paper presented at the Bilingualism and Academic Achievement Research Conference, Houston, TX.
- Hammer, C.S., **Scarpino, S.E.,** Bowles, R., Goodwin, S., & Keffala, B. (January, 2018). *Bilingual Assessment of Phonological Assessment (BAPS): Test design and initial findings*. Poster presented at the Institute of Education Sciences Annual Principal Investigators Meeting, Washington, D.D.
- Scarpino, S.E.** & Aaron, C\*. (November, 2017). *Relations between preschoolers' vocabulary, syntax, exposure to literacy and their phonological awareness abilities*. Poster presented at the American Speech, Language, Hearing Association's annual convention, Los Angeles, CA.
- Scarpino, S.E.** & Schoenstein, C\*. (November, 2017). *Relations between parents' reported book Reading and literacy activity frequency and preschoolers' phonological awareness skills*. Poster Presented at the American Speech, Language, Hearing Association's annual convention, Los Angeles, CA.
- Scarpino, S.E.,** Schuren, G.\*, & Hammer, C.S. (November, 2017). *Mastery of English fricatives and affricates by Spanish-English speaking dual language learners*. Poster presented at the American Speech, Language, Hearing Association's annual convention, Los Angeles, CA.
- Scarpino, S.E.,** Dobson, A., & Hammer, C.S. (November, 2017) *Percentage of occurrence of eight common phonological patterns in Mexican Spanish-English speaking dual language learners*. Poster presented at the American Speech, Language, Hearing Association's annual convention, Los Angeles, CA.
- Keffala, B., **Scarpino, S.E.,** & Hammer, C.S.(June, 2017). *Language dominance affects consonant accuracy in Spanish-English bilingual children*. Paper presented at the International Symposium on Bilingualism, Limerick. Ireland.

Keffala, B., **Scarpino, S.E.**, & Hammer, C.S. (June, 2017). *Bilingual preschoolers' substitutions for target rhotics in English and Spanish*. Poster presented at the annual International Child Phonology Conference, Washington, D.C.

Dobson, A.\* & **Scarpino, S.E.** (May, 2017). *Percentage of occurrence of the eight most common phonological processes in bilingual Spanish-English speaking children*. Poster presented at the annual meeting of the Global Awareness Society International, Heredia, Costa Rica.

\*Denotes BU student presenter

## INVITED TALKS

**Scarpino, S.E.** (January, 2019). *New assessment tools for early learners: The development of measures to assess the school readiness skills of young dual language learners*. Panel presentation at the Institute of Education Sciences Annual Principal Investigators Meeting, Washington, DC.

Keffala, B., Hammer, C.S., **Scarpino, S.E.** (August, 2018). *Supporting DLL preschoolers in the classroom*. In-service provided at the Child Center of New York, Early Learn Corona.

Keffala, B., Hammer, C.S., **Scarpino, S.E.** (August, 2018). *Supporting DLL preschoolers in the classroom*. In-service provided at the Long Island City YMCA Head Start.

**Scarpino, S.E.** (January, 2018). *Efficacious, efficient, and evidence-based intervention for speech sound disorders: From theory to practice*. Continuing education workshop provided for the clinical supervisors at the Bloomsburg University Speech, Hearing, and Language Clinic, Bloomsburg University, Bloomsburg, PA.

**Scarpino, S. E.** (December, 2017). *Best Practices and Strategies for Teaching Dual Language Learners*. Half-day continuing education course presented to the Columbia-Sullivan Head Start teachers, Bloomsburg, PA.

## GRANT ACTIVITY

- 04/19-10/20 *Contralateral suppression of stimulus frequency otoacoustic emissions in children with language impairment*, Pennsylvania State System of Higher Education Faculty Professional Development Council (FPDC), **Role: Co-Investigator** (PI: Shaikh-Bloomsburg University) \$9967
- 09/16-08/20 *Development of the Bilingual Assessment of Phonological Sensitivity* (R305A160081), U.S. Department of Education, Institute of Education Sciences Institute of Education Sciences, **Role: Co-PI** (PI: Hammer-Teachers College, Columbia University) \$1,400,000

## 2019 TEACHING

CSD 220 Phonetics  
CSD 355 Assessment and Remediation of Speech Disorders  
CSD 495 Honors Independent Study I  
CSD 496 Honors Independent Study II  
CSD 552 Language Disorders in Preschool Children  
CSD 556 Phonological/Articulation Disorders  
CSD 558 Clinic Practicum and Professional Issues in Speech-Language Pathology I  
CSD 562 Language Disorders in School-Age Children  
CSD 564 Craniofacial Disorders  
CSD 566 Clinical Practicum and Professional Issues in Speech-Language Pathology II  
CSD 599 Thesis

## 2019 SERVICE ACTIVITIES

### Department

Search and Screen Committee, member  
Scholarship Committee, member  
Curriculum Committee, member  
Assessment Committee, member

### COST/University

Bloomsburg University IRB, Graduate Dean appointed alternate member  
Linguistics Minor Advisory Board, member

### Professional

Member/Reviewer, *American Speech-Language-Hearing Association Annual Convention Program Committee, Speech Sound Disorders in Normal Hearing Children*  
Reviewer, *Journal of Applied Developmental Psychology*





**Mohsin Ahmed M. Shaikh, Ph.D. CCC-A**  
**Assistant Professor**

### **Scholarly Interests**

- Relationship between behavioral symptoms of APD and subcortical encoding of sounds
- Maturational changes in Auditory Processing
- Electroacoustic measurement of hearing aids

### **Education**

- May 2015**      **Doctor of Philosophy**  
Communication Sciences and Disorders  
University of North Carolina at Greensboro, Greensboro
- July 2009**      **Master in Audiology and Speech Language Pathology**  
Speech and Hearing Sciences  
Maharashtra University of Health Sciences, Nashik
- July 2007**      **Bachelor of Science**  
Hearing Language and Speech  
Maharashtra University of Health Sciences, Nashik

### **Peer-reviewed Publications**

**Shaikh, M. A.,** Baker, B., & Levy, A. (2019). Comparison of Performance-Based and Questionnaire-Based Screening Tools as Predictors of Auditory Processing Disorder. *American Journal of Audiology* (Accepted- In Press).

**Shaikh, M. A.,** Hall III, J. W., McManus, C., & Lew, H. L. (2017). Hearing and Balance Disorders in the State of Hawai'i: Demographics and Demand for Services. *Hawai'i Journal of Medicine & Public Health*, 76(5), 123.

**Shaikh, M. A.,** Fox-Thomas, L. G., & Tucker, D. A. (2017). Maturational changes in ear advantage for monaural word recognition in noise among listeners with central auditory processing disorders. *Audiology Research*, 7(157), 1-5.

**Shaikh, M.A.** (2017). Effect of extending the response window and of subject practice on measures of auditory processing in children with learning or reading disability. *Journal of Hearing Science*, 7(3), 37-43.

## Conference Presentations

Connell K., **Shaikh M.**, Chesnet T., & Zhang D. (2019, November). *Ear Asymmetry in Adaptation to Noise in Speech Recognition*. Paper accepted at American Speech-Language and Hearing Association National Convention, Orlando, FL.

Chesnet T., **Shaikh M.**, Connell K., & Zhang D. (2019, November). *Laterality in Speech Perception in Noise Ability & Contralateral Suppression of Otoacoustic Emissions*. Paper accepted at American Speech-Language and Hearing Association National Convention, Orlando, FL.

Daigle J., Mikelson M., & **Shaikh M.** (2019, November). *ANSI: A Necessity in Standardizing Hearing Instruments*. Poster accepted at American Speech-Language and Hearing Association National Convention, Orlando, FL. (Received Meritorious Award)

Baker B., **Shaikh M.**, & Levy A. (2018, November). *Assessing the Predictability of Auditory Processing Screeners in Identifying Individuals with Central Auditory Processing Disorder*. Paper presented at American Speech-Language and Hearing Association National Convention, Boston, MA.

Levy A., **Shaikh M.**, & Baker B. (2018, November). *Degree of Ear Asymmetry and its Implications in Diagnosis of Amblyaudia*. Paper presented at American Speech-Language and Hearing Association National Convention, Boston, MA.

Chesnet T., Connell K., **Shaikh M.**, & Hall J. III. (2018, November). *Assessing Test Specific Diagnostic and Management Value of the Audiological Test Battery*. Poster presented at American Speech-Language and Hearing Association National Convention, Boston, MA.

**Shaikh M.A.**, DiNoto K., & Levy A. (2017, November). *Current Digital Hearing Aids & Compliance with ANSI Specifications - A Need for Quality Control*. Poster accepted for American Speech-Language and Hearing Association National Convention, Los Angeles, CA.

## Awards

Faculty Recognition – Scholarly Activity Award (2019) – College of Science and Technology at Bloomsburg University.

Award for Continuing Education (ACE; 2019) – American Speech-Language Hearing Association.

## Grants

### April 2019: Faculty Professional Development Council of Pennsylvania State System of Higher Education

“*Contralateral Suppression of Otoacoustic Emissions in Children with Language Impairment*”

Author/s: Shaikh M.A. (Principal Investigator), & Scarpino S.

Awarded: April 22 – 2019

Total Award: \$ 9,967.00

**April 2018: Research and Scholarship Grant**

Bloomsburg University of Pennsylvania

*“Ear Dominance in Speech Perception in Noise and Contralateral Suppression of Otoacoustic Emissions”*

Principal Investigator

Awarded: April - 20, 2018

Total Award: \$ 14, 465.00

**March 2018: Faculty Research Grant**

Bloomsburg University of Pennsylvania

*“Current Digital Hearing Aids and Compliance with ANSI Specifications – A Need for Quality Control”*

Principal Investigator

Awarded: March - 2, 2018

Total Award: \$ 4000

**2019 Teaching**

- Spring 2019
  - CSD 599 – 06: Thesis CSD (Thesis Research).
  - CSD 602 – 01: Hearing Science I
  - CSD 605 – 01: Diagnostic Audiology II: Acoustic immittance, site of lesion and pseudohypacusis
  - CSD 624 – 01: Hearing Aids: Clinical Considerations and Fitting Practices
- Summer 2019
  - CSD 627 – 11: Central Auditory Processing Disorders
  - CSD 629 – 11: Personal and Interpersonal Implications of Aural Habilitation/Rehab
  - CSD 643 – 11: Hearing Conservation
- Fall 2019
  - CSD 152-01: Introduction to Communication Disorders
  - CSD 600 – 01: Diagnostic Audiology I: Assessment of Auditory Sensitivity and Speech perception
  - CSD 603 – 01: Internship: Clinic Methods/Practicum in Audiology I
  - CSD 604 – 01: Hearing Aids: Theoretical and Technical Considerations

**2019 Service Activities**

- Graduate advisor for AuD program
- Served departmental committee
  - Assessment – Chair
  - Curriculum
  - Search and Screen
  - Safety
- Served college wide committee
  - Research Day
  - Faculty Recognition



Pamela A. Smith, Ph.D.

Professor of Speech Pathology

Department of Communication Sciences and Disorders

Psycholinguistics, Aphasia, Dysphagia, Cognitive-Linguistic Disorders, Medical Speech-Language Pathology

### **Education**

Doctor of Philosophy, Communication Sciences; Temple University, Philadelphia, PA, 2000

Master of Arts, Hearing and Speech Sciences; Ohio University, Athens, OH, 1987

Bachelor of Science in Education, Special Education (SLP); Kutztown University, Kutztown, PA, 1985

Teaching (2019)

Spring: CSD 550 Aphasia

CSD 335 Acquired Disorders of Communication and Swallowing

CSD 586 Field Experience 2

Summer: CSD 581 Swallowing I

Fall: CSD 583 Swallowing II

CSD 570 Cognitive Based Disorders

CSD 460 Psycholinguistics

CSD 576

### **Invited Publications**

Smith, P., Casper, M., Leslie, P. (2019) Considerations emerging from the end of life. In Gosa, M. & Suiter, D. (eds) *Dysphagia: A Life Span Perspective*.

Smith, P. (2019) The Supposedly Unsolvable Sliding Tile Puzzle of Dysphagia Management. Invited contribution, Dysphagia Café, Submitted and In Process.

### **Peer Reviewed:**

Bice, E. M., & Smith, P. A. (2019). How It Works in the Real World: Helping Students Navigate Clinical Placements. *Perspectives of the ASHA Special Interest Groups*, 1-5

Smith, P. (2018) On the horizon: Adults with autism in a changing health care environment.

*Perspectives in Gerontology*, American Speech-Language-Hearing Association.

<https://doi.org/10.1044/persp3.SIG15.4>

### **Presentations**

#### **Invited:**

Smith, P. (2019) *The Challenges of Autism in Ageing*. School of Health and Rehabilitation Sciences, University of Pittsburgh, January 18, 2019.

Smith, P. (2018) *Older Adults & Traumatic Brain Injury – Consequences & Complications*. Annual Convention of the American Speech-Language-Hearing Association, Boston, MA.

Miller, J.; Varnedoe, D., & Smith, P. (2018) *Externship Challenges: From the Site's Perspective*. Annual Convention of the American Speech-Language-Hearing Association, Boston, MA.

Smith, P. (2018) *Shared Decision Making in Dysphagia Management: Choices and Consequences. Part I: Why? Part II: How?* Annual Convention of the New Jersey Speech-Language-Hearing Association, Long Branch, NJ.

Wasileski, A., & Smith, P. (2017) *Long Term Recovery in Aphasia: The Magic of Groups and Making them Work*. 29th Annual Speech-Language Pathology Alumni Conference Edinboro University of Pennsylvania

Smith, P. (2017) *Adult Transitions Panel: A Discussion of Individual and Family Needs, Community Issues, and Advocacy*. Annual convention of the American Speech-Language-Hearing Association, Los Angeles, CA

Smith, P. & Harley, J. (2017) *The Big Picture for Audiologists: Language and Cognition Considerations in Adult Clients*. Annual Convention of the American Speech-Language-Hearing Association, Los Angeles, CA.

**Peer Reviewed – International:**

Smith, P. (2018) *Straws, lip strength and sip sizes*. 7<sup>th</sup> annual UK Swallowing Research Group Conference, London.

**National:**

Smetana, N. & Smith, P. (2019). *The impact of gestural training on a person with aphasia*. Annual convention of the American Speech-Language-Hearing Association, Orlando, FL.

Butala, J. & Smith, P. (2019). *The relationship of linguapalatal pressure measures to submental sEMG measures in typical college students*. Annual convention of the American Speech-Language-Hearing Association, Orlando, FL.

Smith, P.; Hazzard, J.; Ni, M.; Meske, S.; Lee, M. (2018) *Working Memory & Measurement of Static Postural Stability*. Annual convention of the American Speech-Language-Hearing Association, Boston, MA.

Smith, P., Miller, J., Reisfeld, N., Serianni, R., Varnedoe, D. (2017). *Externship Challenges: From the Site's Perspective*. Annual convention of the American Speech-Language-Hearing Association, Los Angeles, CA

Smith, P., Gettys, O. & Baldwin, M., (2017). *Straws, Carbonation, Verbal Directions & Sip Sizes*. Annual convention of the American Speech-Language-Hearing Association, Los Angeles, CA

Smith, P. & Serravalle, K., (2017). *Straws, Strength Measures & Sip Sizes in Two Age Groups*. Annual convention of the American Speech-Language-Hearing Association, Los Angeles, CA

Smith, P. & Leonarczyk, K. (2017). *Intervenors & Repetition: Where Psycholinguistics Meets the Clinic*. Annual convention of the American Speech-Language-Hearing Association, Los Angeles, CA

Van Horn, L, Hazzard Jr., J, Smith, P, Meske, S, Hanson, T, & Smith, J. (2017). *Residual effects of concussion utilizing a dual-task analysis*. American Academy of Neurology 4th Annual Sports Concussion Conference, Jacksonville, FL.

**State:**

Smith, P. (2019). *The challenges of aging and autism*. Annual Convention of the Pennsylvania Speech-Language-Hearing Association, Lancaster, PA

Lemma, J. & Smith, P. (2019) *EBP vs PBE: While We All Scream for Ice Cream!* Annual Convention of the Pennsylvania Speech-Language-Hearing Association, Lancaster, PA.

Lemma, J. & Smith, P. (2018) *What's Your Lens? Instrumentation and Advocacy in Dysphagia Management*. Annual Convention of the Pennsylvania Speech-Language-Hearing Association, Pittsburgh, PA.

Wasileski, A. & Smith, P. (2018) *Follow the Leader: Aphasia Group Outcomes With Leadership Changes*. Annual Convention of the Pennsylvania Speech-Language-Hearing Association, Pittsburgh, PA.

Wasileski, A., Gettys, O., McCloskey, B., Oliver, J., Terravecchio, A., & Smith, P. (2017). *Let's Talk! People with aphasia can facilitate conversations*. Annual Convention of the Pennsylvania Speech-Language-Hearing Association, Harrisburg, PA.

Pizzoli, B., Wasileski, A., & Smith, P. (2017). *A decade of aphasia: A personal journey of recovery*. Annual Convention of the Pennsylvania Speech-Language-Hearing Association, Harrisburg, PA.

**Service Activities**

**University:** Middle States Self Study Task Force, Linguistics Minor Advisory and Gerontology Minor Advisory Committees, NSSLHA co-advisor (through 8/2016), Department Assessment Committee, Curriculum Committee, Evaluation Committee and Search Committee

**Professional:**

American Speech-Language Hearing Association

Topic Committee – 2016, 2017, 2018 Conventions (Co-Chair, Academic and Clinical Education, 2017)

SIG #15 Gerontology Coordinating Committee

Special Interest Groups #2 Neurophysiology, #10 Issues in Higher Education, SIG #13

Swallowing and Swallowing Disorders

Pennsylvania Speech-Language-Hearing Association

Vice President Public Information and Professional Communication

Convention Program Committee

Northeastern Speech-Language-Hearing Association

Chair, Scholarship Committee

**Cara Makuta Tolan, Au.D.**

**Assistant Professor**

**Scholarly Interests**

Vestibular Rehabilitation Therapy (VRT), Vestibular Diagnostics, and Balance Evaluation & Management

**Education**

Alvernia University, Ph.D.- candidate, Educational Leadership, currently ABD

Bloomsburg University, Au.D., Audiology, 2010

Bloomsburg University, B.S., Speech Pathology/Audiology, 2003

**PRESENTATIONS**

**2017 Presentations**

**Tolan, C. & Lawton, P.** Leadership Readiness & Curriculum Analysis, American Academy of Audiology (AAA) Convention, Indianapolis, IA, 2017

**Tolan, C.,** A Comprehensive Review of Vestibular Rehabilitation Therapy American Academy of Audiology (AAA) Convention, Indianapolis, IA, 2017

**PUBLICATIONS**

**2020 Publications**

*Effect of Frequency and Sex of Measures of Gain, Phase, and Asymmetry in Sinusoidal Harmonic Accelerations (SHA)*

Manuscript in preparation for publication

**2019 Publications**

*Effect of Instruction on Optokinetic (OKN) Gain Scores*

Manuscript in preparation for publication

**2018 Publications**

*Leadership Readiness and Curriculum Analysis of Different Healthcare Graduate Programs*

Submitted for publication to *Communication Disorders Quarterly*

**TEACHING**

**2019 Teaching**

Summer: Geriatric Audiology \*Hybrid  
Thesis (CSD 599)

Spring: \*Went on FMLA following Midterm  
Aural Rehabilitation Adults  
Clinical Methods/Practicum in Audiology  
Evaluation & Management of Balance Disorders I



Fall: Clinical Methods/Practicum in Audiology  
Medical Audiology  
Evaluation & Management of Balance Disorders II  
Sp Topics Pathophys Con  
Thesis (CSD 599)  
Individualized instruction for CSD 608

## **SERVICE**

### **2019 Service Activities**

Faculty Advisor of AUDSA  
Service on Audiology Department Search & Screen Committee  
Service on Audiology Department Promotion Committee  
Service on Audiology Department Assessment Committee  
Service on the University Academic Grievance Committee

## **CONTINUING EDUCATION**

**2018-2019:** Total of 31 hours of ASHA CEUS via Audiology Online coursework. \* Please see attached CEU transcripts.



**Qing Yue, Ph.D.**

**Professor**

**Scholarly Interests:**

Intraoperative Neuromonitoring, Clinical Neurophysiology, and Neuroscience.

**Education:**

Ph.D., UCLA

M.D. Capital University of Medical Sciences, China

**Publications (2017-2019):**

Central Sulcus Misfolding: Polarity Reversal of SSEP N20 Potential in "layered" Polymicrogyria. *Neurodiagn J.* 59(4):212-218. 2019

Site-dependent thenar compound muscle action potential: Comparison between surface and needle recordings. *J Back Musculoskelet Rehabil.* 32(6):841-845. 2019

A Comparison of Interside Asymmetries of Lower Extremity Somatosensory Evoked Potentials in Anesthetized Patients with Unilateral Lumbosacral Radiculopathy. *Asian Spine J.* 11(1):99-104. 2017

Intraoperative Loss of Tibialis Anterior Transcranial Electrical Motor Evoked Potentials Predicted Postoperative Footdrop. *World Neurosurg.* 97:755.e1-755.e3. 2017

**Teaching (2019):**

Spring

CSD 366-1 A&P Speech Lang Hear

CSD 366-2 A&P Speech Lang Hear

CSD 631 Neurophys for Audiol

CSD 654 Clin Neurophys II-EEG

Fall

CSD 625 Neuroanatomy for Audiol

CSD 650 Intro to IONM

CSD 653 IONM Anesthesia

**Service Activities (2019):**

Coordinator of IONM Education

Member of Department Tenure and Evaluation Committee

Member of Department Curriculum Committee



**Thomas R. Zalewski, Ph.D., CCC-A**  
**Professor**

### **Scholarly Interests**

Auditory Processing and Tinnitus

### **Education**

New York University, New York, New York, Doctor of Philosophy in Audiology, 2001

Bloomsburg University, Bloomsburg, Pennsylvania, Masters of Science in Audiology, 1988

Bloomsburg University, Bloomsburg, Pennsylvania, Bachelors of Science in Communication Disorders, 1987

### **Publications - Book Chapter**

Katz, J., **Zalewski, T. R.**, & Brenner, M. (2019). Otitis media and central auditory processing disorder (CAPD). In Geffner, D. & Ross-Swain, D. (Eds.), Auditory processing disorders: assessment, management, and treatment (3rd Ed.). San Diego, CA: Plural Publishing, Inc.

### **Presentations - Invited Speaker**

**Zalewski, T.** (2019, April & 2018, October). Patient-Centered Testing for CAPDs. Presented at Audiology 2018: Central Auditory Processing Disorders Online Conference.

**Zalewski, T.**, Kaul, K., Medwetsky, L., Ferre, J., & Geffner, D. (2018, November). Addressing Controversies in Central Auditory Processing. Presented at the American Speech-Language-Hearing Association Convention, Boston, MA.

### **Presentations**

Amarante, M., Winn, K., & **Zalewski, T.** (2019, November). Tinnitus Diagnostic & Intervention Services Provided by Pennsylvania Audiologists. Paper presented at the American Speech-Language-Hearing Association Convention, Orlando, FL.

**Zalewski, T.**, Campanile, C., & Zhang, D. (2019, November). Hearing Handicap & Auditory Processing Disorder Relationship in Elderly Individuals. Paper presented at the American Speech-Language-Hearing Association Convention, Orlando, FL.

Swatzler, L. & **Zalewski, T.** (2019, April). Survey of Bloomsburg University students' personal listening device use and the impact these devices have on hearing. Presented at the Northeast Regional Honors Conference, Baltimore, Maryland.

**Zalewski, T. & Zhang, D.** (2018, November). Newborn Infant Characteristics & OAE Screening Outcomes. Paper accepted for presentation at the American Speech-Language-Hearing Association Convention, Boston, MA.

**Zalewski, T.R.,** (2018, May). Balance & Falls In Older Adults Causes & Prevention. Presented at Geisinger-Bloomsburg Hospital Interprofessional Lecture Series.

Sanders, D. & **Zalewski, T.R.,** (2018, March). Caring for Older Adults with Hearing and Vision Problems. Presented at Geisinger-Bloomsburg Hospital Interprofessional Lecture Series.

**Zalewski, T.** (2017, September). Balance and Falls—When to start talking. Presented at the Time For Courageous Conversations Conference, Bloomsburg, PA.

### **Unpublished Research**

**Zalewski, T.R.,** Kohler, M.L., & Avenoso, D. (2018). Characteristics of Individuals Evaluated for an Auditory Processing Disorder.

### **Journal Review**

2019. Review of submitted revised article Behavioral and Hemodynamic Changes Following Dichotic Training in Patients with Neurological Deficits of the Auditory Nervous System: A Case Series for the Journal of the American Academy of Audiology.

2019. Review of submitted article The characteristics of tinnitus in patients with bilateral symmetrical high frequency SNHL for the American Journal of Audiology for the American Journal of Audiology.

2019. Review of submitted article Audiologists: We Can Counsel Tinnitus Patients for the American Journal of Audiology for the American Journal of Audiology.

2019. Review of submitted article Behavioral and Hemodynamic Changes Following Dichotic Training in Patients with Neurological Deficits of the Auditory Nervous System: A Case Series for the Journal of the American Academy of Audiology.

2018. Review of submitted article The Relation of Vestibulo-Ocular Reflex With Central Compensation at Vestibular Deafferented Patients for the International Journal of Audiology.

2017. Review of submitted article Comparison of Three Tests of Speech Understanding in Noise in Children with Auditory Processing Disorders for the Journal of the American Academy of Audiology

### **Grant Reviewer**

2018. 2018 Student Research Grant in Audiology. ASHFoundation.

2018. Interdisciplinary Preparation in Special Education, Early Intervention, and Related Services for Personnel Serving Children with Disabilities Who Have High-Intensity Needs -- Focus Area A: Preparing Personnel to Serve Infants, Toddlers, and Preschool-Age Children with Disabilities who have High-Intensity Needs (CFDA #84.325K). U.S. Department of Education, Office of Special Education Programs (OSEP). Alternate Reviewer.

2018. Exposure-Response Relationship between Personal Listening Device Use and Noise-induced Hearing Loss (Project No.: 16171701). Food and Health Bureau (FHB), The Government of the Hong Kong Special Administrative Region (HKSAR), Hong Kong.

2018. Early Identification and Management of Children with Severe Speech Sound Disorders (Project No.: 16170551). Health and Medical Research Fund, The Government of the Hong Kong Special Administrative Region (HKSAR), Hong Kong.

### **Expert Resource**

**Zalewski, T. R.** (2017). Earbuds vs. Headphones: Which is riskier for hearing loss? *Bottom Line Health*.

**Zalewski, T. R.** (2017). Are noise-canceling headphones harmful? *Bottom Line Health*.

### **Teaching**

**Fall:** University Seminar (INTSTUDY 100)  
Introduction to Audiology (CSD 200)  
Auditory Training and Speechreading (CSD 400/500)  
Honors Independent Study 1 (CSD 495)

**Summer:** Evaluation and Treatment of Tinnitus (CSD 608)  
Theoretical and Clinical Auditory Masking (CSD 609)

**Spring:** Introduction to Audiology (CSD 200)  
Fundamentals of Audiology (CSD 430)  
Internship: Clinical Audiology II (CDS 607)  
Evaluation and Management of Balance Disorders I (CSD 639)  
Issues and Perspectives in Audiological Practices (CSD 644)

### **Service Activities - University**

University Grievance Committee

Honors Program Advisory Committee

Cynthia Schloss Graduate Student Award, Chair

Department Curriculum Committee

Department Evaluation Committee, Chair

Department Search & Screen Committee

National Student Speech-Language-Hearing Association Faculty, Advisor

Bloomsburg University Football Team Faculty Mentor

Invited Audiology White Coat Ceremony Speaker – August 2019

### **Service Activities - Community**

June 6 & 7, 2019 – Hearing Screenings – Special Olympics Summer Games, State College, PA

February 25, 2019 – Hearing Screenings - Columbia County Christian School, Bloomsburg, PA