

2019 AGING & SPEECH COMMUNICATION CONFERENCE
University of South Florida – Sand Key Beach, FL
November 3-6

POSTER ABSTRACTS

Abstract #1 Poster	Title: Effects of listener age, talker accent, and semantic context on lexical access Authors: Rebecca E. Bieber*#, Christian Brodbeck, Vera Yevsukov, and Samira Anderson Affiliations: University of Maryland, College Park
Abstract #2 Poster	Title: Benefits of a time-expansion protocol for recognition of non-native speech by older listeners Authors: Anna R. Tinnemore*#, Rebecca E. Bieber, Sandra Gordon-Salant Affiliations: Department of Hearing & Speech Sciences, University of Maryland, College Park
Abstract #3 Poster	Title: Effects of noise type on speech quality ratings in older adults with hearing loss Authors/Affiliations: <ul style="list-style-type: none"> • Melinda C. Anderson* University of Colorado School of Medicine (Submitting Author) • Kathryn H. Arehart#, University of Colorado Boulder (Presenting Author) • Song Hui Chon, Belmont University • Lewis O. Harvey, Jr., University of Colorado Boulder • James M. Kates, University of Colorado Boulder • Elizabeth B. McNichols, University of Colorado Boulder • Emily Lundberg, University of Colorado Boulder • Pamela Souza, Northwestern University • Varsha H. Rallapalli, Northwestern University
Abstract #4 Poster	Title: Comparing performance on a speech-in-noise task among personal sound amplification products Authors: Lincoln Dunn#, Karen S. Helfer, Sara Mamo, Michael Clauss Affiliations: University of Massachusetts
Abstract #5 Poster	Title: Localization Comparison Using Traditional Hearing Aids and Personal Sound Amplification Products Authors: Nirmal Kumar Srinivasan*, #, 1, Nicholas Reed2, 3, Frank Lin2, 3, Peggy Korczak1, Breanna Collins1, Tiffany Connatser1, and Christina Downs1 Affiliations: <ol style="list-style-type: none"> 1) Towson University 2) John Hopkins University School of Medicine 3) Center on Aging Health, John Hopkins University
Abstract #7 Poster	Title: Tolerance to Cross-modal Asynchronies in Early Auditory Processing of Speech Declines in Older Adults Authors: Alexandra Jesse*# and Elina Kaplan Affiliations: University of Massachusetts, Amherst
Abstract #8 Poster	Title: How Do Spoken Sentence Predictability and Cognitive Load Affect Cognitive Spare Capacity in Elderly Adults? Authors: Cynthia R. Hunter*#1, David B. Pisoni2, & Larry E. Humes3 Affiliations:

2019 AGING & SPEECH COMMUNICATION CONFERENCE
University of South Florida – Sand Key Beach, FL
November 3-6

POSTER ABSTRACTS

	<ol style="list-style-type: none"> 1) Speech Perception, Cognition, and Hearing Laboratory, University of Kansas, Lawrence, Kansas 2) Speech Research Laboratory, Department of Psychological and Brain Sciences, Indiana University, Bloomington, Indiana 3) Audiological Research Laboratory, Department of Speech and Hearing Sciences, Indiana University, Bloomington, Indiana
Abstract #9 Poster	<p>Title: The Quick Repeat-Recall Test (Quick-RRT): An integrative and clinically-oriented assessment of realistic speech-in-noise communication. Authors: Christopher Slugocki*#, Francis Kuk, Petri Korhonen, & Neal Ruperto Affiliations: Widex Office of Research in Clinical Amplification (Widex ORCA-USA).</p>
Abstract #11 Poster	<p>Title: Assessing the Time Course of Perceptual Learning with Pulse Rate Discrimination Training in Younger and Older Adults Authors: Lindsay A. DeVries, Alyson Schapira, Samira Anderson, Matthew J. Goupell, Ed Smith, Sandra Gordon-Salant Affiliations: University of Maryland, College Park</p>
Abstract #12 Poster	<p>Title: Logical and Auditory Inference Making: Performance in the HINT in normally-hearing and hearing-impaired listeners Authors: Victoria Stenbäck*# 1,2 , Erik Marsja 1,2 , Henrik Danielsson 1,2, Jerker Rönnberg 1,2 Affiliations:</p> <ol style="list-style-type: none"> 1) Disability Research Division, Linköping, Sweden. 2) Department of Behavioural Sciences and Learning, Linköping University, Sweden
Abstract #13 Poster	<p>Title: Examining how Cognitive Functioning, Aging, and Hearing Loss, Affect Speech-in-Noise Performance Authors: Erik Marsja*#1,2, Henrik Danielsson1,2, Victoria Stenbäck1,2, & Jerker Rönnberg1,2 Affiliations:</p> <ol style="list-style-type: none"> 1) Disability Research Division, Linköping, Sweden 2) Department of Behavioural Sciences and Learning, Linköping University, Sweden
Abstract #14 Poster	<p>Title: Does working memory mediate self-reported difficulties in noise for older listeners? Authors: Katie Brow,*# Lindsay A. DeVries, Sandra Gordon-Salant Affiliations: University of Maryland, College Park</p>
Abstract #15 Poster	<p>Title: The Contribution of Personality Traits to Hearing Handicap in Older Adults Authors: Kate McClannahan*# and Mitchell Sommers Affiliations: Department of Psychological and Brain Sciences, Washington University in St. Louis</p>
Abstract #17 Poster	<p>Title: The association between auditory function and serum aldosterone levels in older age Authors: Jitpakorn Pichaitanaporn*#, Taylor Traficant, David A. Eddins, Ann C. Eddins</p>

2019 AGING & SPEECH COMMUNICATION CONFERENCE
University of South Florida – Sand Key Beach, FL
November 3-6

POSTER ABSTRACTS

	Affiliations: University of South Florida, Department of Communication Sciences & Disorders
Abstract #18 Poster	Title: EEG Frequency Measures During Effortful Listening Authors: David B. Ryan*#. 1, Mark A. Eckert 2, Eric W. Sellers 3, Kim S. Schairer 1, Sherri L. Smith 4 Affiliations: 1) Hearing & Balance Research Program James H. Quillen VA Medical Center, Mountain Home TN. 2) Medical University of South Carolina, Charleston SC. 3) East Tennessee State University, Johnson City TN. 4) Duke University School of Medicine, Durham NC
Abstract #20 Poster	Title: Processing temporal cues for word identification in adult cochlear-implant users: Effects of aging and context Authors: Zilong Xie*#, Samira Anderson, Sandra Gordon-Salant, and Matthew J. Goupell Affiliations: Department of Hearing and Speech Sciences, University of Maryland, College Park
Abstract #22 Poster	Title: How effective are speech adaptations? A closer look at the effects of elderspeak Authors: Raheleh Saryazdi*#, Tamara Mostarac, Craig G. Chambers Affiliations: University of Toronto
Abstract #26 Poster	Title: The combined predictive value of multiple cognitive abilities for speech-in-noise perception by older adults Authors: Antje Heinrich1,3*# and Sarah Knight2,3 Affiliations: 1)Manchester Centre for Audiology and Deafness (ManCAD), University of Manchester, UK 2)Speech, Hearing & Phonetic Sciences, University College London, UK 3)MRC Institute of Hearing Research, University of Nottingham, UK
Abstract #28 Poster	Title: Inhibition of Estrogen Modulates Autophagic Processes and Auditory Function in Aging Female CBA/CAJ Mice Authors: #XiaoXia Zhu1, 3, Bo Ding2, 3, Mckenzie Watson3, Tanika T. Williamson1, 3, *Robert D. Frisina1, 2, 3 Affiliations: 1) Department of Medical Engineering, College of Engineering and Morsani College of Medicine, University of South Florida 2) Dept of Communication Sciences and Disorders, College of Behavioral & Community Sciences, University of South Florida 3) Global Center of Hearing and Speech Research, University of South Florida
Abstract #29 Poster	Title: Listening effort discounting Authors: Drew J. McLaughlin*# Affiliations: Department of Psychological & Brain Sciences, Washington University in St. Louis
Abstract #30 Poster	Title: Signal processing to ease of listening effort for persons with profound hearing loss Authors: Åsa C Skagerstrand*#

2019 AGING & SPEECH COMMUNICATION CONFERENCE
University of South Florida – Sand Key Beach, FL
November 3-6

POSTER ABSTRACTS

	Affiliations: Audiological Research Centre, Örebro University hospital, Sweden/SIDR (Swedish Institute of Disability Research)
Abstract #31 Poster	Title: Age effects on timing perception of altered sentence rhythms Authors: Dylan V. Pearson1*#, Yi Shen1, J. Devin McAuley2, Gary Kidd1 Affiliations: 1) Speech and Hearing Sciences, Indiana University – Bloomington, 2) Department of Psychology, Michigan State University
Abstract #32 Poster	Title: Does increasing vocal loudness affect hearing perception in persons with Parkinson’s Disease Authors: *#Caroline Menezes and Lori Pakulski Affiliations: University of Toledo
Abstract #33 Poster	Title: 17β-estradiol Blocks Stress-Induced Apoptosis through Autophagy Enhancement for Cochlear Hair Cells Authors: #Bo Ding1, 3 , XiaoXia Zhu2, 3, Mckenzie Watson3, * D. Frisina1, 2, 3 Affiliations: 1) Dept of Communication Sciences and Disorders, College of Behavioral & Community Sciences, University of South Florida 2) Department of Medical Engineering, College of Engineering and Morsani College of Medicine, University of South Florida 3) Global Center of Hearing and Speech Research, University of South Florida
Abstract #34 Poster	Title: Individualized estimation of spectral weighting during sentence recognition in noise among normal-hearing and hearing-impaired listeners Authors: Yi Shen1*#, Donghyeon Yun1, and Yi Liu1 Affiliations: 1) Dept. of Speech and Hearing Sciences Indiana University, Bloomington, Indiana
Abstract #35 Poster	Title: Beam Steering for A Speaker Tracking-Based First-Order Differential Microphone Array Authors: Ali Sarafnia, M.O. Ahmad, M.N.S. Swamy Affiliations: Concordia University
Abstract #38 Poster	Title: The relationship between the perception of spectral information and the effects of dynamic pitch on older individuals’ speech recognition in noise Authors: Jing Shen Affiliations: Western Michigan University
Abstract #39 Poster	Title: The effect of aging on the electrically evoked compound action potential Authors: Bruna S. Mussoi1*# & Carolyn J. Brown2 Affiliations: 1) Kent State University, Department of Speech Pathology and Audiology, Kent, Ohio, USA 2) University of Iowa, Department of Communication Sciences and Disorders / Department of Otolaryngology – Head and Neck Surgery, Iowa City, Iowa, USA

2019 AGING & SPEECH COMMUNICATION CONFERENCE
University of South Florida – Sand Key Beach, FL
November 3-6

POSTER ABSTRACTS

<p>Abstract #41</p> <p>Poster</p>	<p>Title: Peripheral versus central age-related temporal processing deficits: Insights from cochlear-implant users Authors: Matthew J. Goupell, Maureen J. Shader, Samira Anderson, Sandra Gordon-Salant Affiliations: University of Maryland, College Park</p>
<p>Abstract #42</p> <p>Poster</p>	<p>Title: Can the diffuseness of sound sources alter speech perception in young and older adults? Authors: #*Meital Avivi-Reich¹, #Rupinder K. Sran², and Bruce A. Schneider² Affiliations: 1) Communication Arts, Sciences, and Disorders, Brooklyn College of City University of New York (CUNY). 2) Psychology Department, University of Toronto Mississauga</p>
<p>Abstract #43</p> <p>Poster</p>	<p>Title: The cardiac pre-ejection period as a measure of listening effort during a speech-in-noise task Authors: Bethany J. Plain*^{#a,c}, Michael Richter^b, Adriana A. Zekveld^{a,d,e}, Thomas Lunner^{d,f}, Tanveer Bhuiyan^c, Sophia E. Kramer^a Affiliations: a) Amsterdam UMC, Vrije Universiteit Amsterdam, Otolaryngology Head and Neck Surgery, Ear & Hearing, Amsterdam Public Health Research Institute, De Boelelaan 1117, Amsterdam, the Netherlands b) School of Natural Sciences and Psychology, Liverpool John Moores University, Liverpool, United Kingdom c) Eriksholm Research Centre, Snekersten, Denmark d) Department of Behavioural Sciences and Learning, Linköping University, Linköping, Sweden e) Linnaeus Centre HEAD, The Swedish Institute for Disability Research, Linköping and Orebro Universities, Linköping, Sweden f) Department of Health Technology, Technical University of Denmark, Denmark</p>
<p>Abstract #44</p> <p>Poster</p>	<p>Title: Age-related deficits in Spanish-accented speech understanding for cochlear-implant listeners are partially overcome with audiovisual presentation Authors: Emily Waddington, Brittany Jaekel, Anna Tinnemore, Sandra Gordon-Salant, and Matthew J. Goupell Affiliations: University of Maryland, College Park</p>
<p>Abstract #45</p> <p>Poster</p>	<p>Title: Age-related changes in the Auditory Steady-State Response Measured across the Lifespan of CBA/CaJ Mice Authors: #Kendra E. Stebbins^{1,3}, and *Joseph P. Walton ^{1,2,3} Affiliations: 1) Department of Communication Sciences and Disorders, University of South Florida 2) Department of Chemical and Biomedical Engineering, University of South Florida</p>

2019 AGING & SPEECH COMMUNICATION CONFERENCE
University of South Florida – Sand Key Beach, FL
November 3-6

POSTER ABSTRACTS

	3) Global Center for Hearing and Speech Research, University of South Florida
Abstract #46 Poster	<p>Title: Suboptimal hearing aid gain negatively impacts perceptual and cognitive processing of speech</p> <p>Authors: Elaine Hoi Ning Ng^{1,2} *#, Josefine Juul Jensen¹, Michael Schulte³, and Dorothea Wendt^{4,5}</p> <p>Affiliations:</p> <ol style="list-style-type: none"> 1) Oticon A/S, Smørum, Denmark. 2) Department of Behavioural Sciences and Learning, Linnaeus Centre HEAD, Swedish Institute for Disability Research, Linköping University, Linköping, Sweden. 3) Hörzentrum Oldenburg GmbH, Germany. 4) Eriksholm Research Centre, Oticon A/S, Snekkersten, Denmark. 5) Hearing Systems, Department of Health Technology, Technical University of Denmark, Denmark.
Abstract #48 Poster	<p>Title: Lower General Cognitive Function is Related to Elevated Low-Frequency Thresholds and Poorer Dichotic Listening in Older Adults</p> <p>Authors: Jacqueline M. Eberhard#, Lois J. Matthews, Kenneth I. Vaden Jr., Judy R. Dubno, Mark A. Eckert*</p> <p>Affiliations: Hearing Research Program, Department of Otolaryngology – Head and Neck Surgery, Medical University of South Carolina, Charleston, SC, USA; Department of Psychology, College of Charleston, Charleston, SC, USA</p>
Abstract #50 Poster	<p>Title: Modelling hearing aid coverage across the world</p> <p>Authors and Affiliations: Nikolai Bisgaard * #, GN Hearing as, Copenhagen, Denmark</p>
Abstract #51 Poster	<p>Title: Trends in prevalence of hearing loss and benefits of hearing aid use as expressed in EurTrak surveys from 2009 to 2018</p> <p>Authors and Affiliations: Nikolai Bisgaard * #, GN Hearing as, Copenhagen, Denmark Stefan Ruf, Anovum, Zurich, Switzerland</p>
Abstract #54 Poster	<p>Title: The effect of aging on Mandarin speech recognition in multi-talker babble</p> <p>Authors: Can Xua*#, Hongwei Dingb, Yuxia Wangb, and Chang Liua</p> <p>Affiliations:</p> <ol style="list-style-type: none"> a) Department of Communication Sciences and Disorders, The University of Texas at Austin b) School of Foreign Languages, Shanghai Jiao Tong University, Shanghai
Abstract #56 Poster	<p>Title: Speech-based individualized signal processing strategy (ISPS) for hearing aid fitting.</p> <p>Authors: Anusha Yellamsetty*#, David A. Eddins*</p> <p>Affiliations: Dept. of Communication Sciences and Disorders, University of South Florida, Tampa, FL, USA Global Center for Hearing & Speech Research, University of South Florida, Tampa, FL, USA</p>

2019 AGING & SPEECH COMMUNICATION CONFERENCE
University of South Florida – Sand Key Beach, FL
November 3-6

POSTER ABSTRACTS

<p>Abstract #57</p> <p>Poster</p>	<p>Title: Interactions between Speech Recognition in Noise, Mobility and Risk of Falling in Older Adults Authors: Putter-Katz H*#, Horev N, Bichman A, Been E Affiliations: Department of Communication Sciences and Disorders, Faculty of Health Professions, Ono Academic College, Kiryat Ono, Israel</p>
<p>Abstract #59</p> <p>Poster</p>	<p>Title: Predictors for performance in HINT: Objective and subjective outcome measures Authors: Victoria Stenbäck*# 1,2 , Erik Marsja 1,2 , Henrik Danielsson 1,2, Jerker Rönnberg 1,2 Affiliations: 1) Disability Research Division, Linköping, Sweden. 2) Department of Behavioural Sciences and Learning, Linköping University, Sweden</p>
<p>Abstract #61</p> <p>Poster</p>	<p>Title: Exploring the Biological Mechanisms of Transforming Growth Factor (TGF) for Inflammation and the Ageing Processes of the Inner Ear Authors: Mark A. Bauer#, Parveen Bazard, Bo Ding, Xiaoxia Zhu, Robert D. Frisina* Affiliations: 1) Dept of Communication Sciences and Disorders, College of Behavioral & Community Sciences, University of South Florida 2) Department of Medical Engineering, College of Engineering and Morsani College of Medicine, University of South Florida 3) Global Center of Hearing and Speech Research, University of South Florida</p>
<p>Abstract #62</p> <p>Poster</p>	<p>Title: Aldosterone Upregulates NKCC1 Membrane Proteins and Voltage-Gated Potassium Currents as a Modulator Authors: Parveen Bazard#, Bo Ding, Harish K. Chittam, Xiaoxia Zhu, Venkat R. Bhethanabotla, Joseph P. Walton, Robert D. Frisina* Affiliations: 1) Department of Medical Engineering, College of Engineering and Morsani College of Medicine, University of South Florida 2) Global Center of Hearing and Speech Research, University of South Florida 3) College of Engineering, University of South Florida</p>
<p>Abstract #64</p> <p>Poster</p>	<p>Title: The Role of TNFα in Aging Processes of Mouse Inner Ear Cells Authors: Cody D. Spence^{1,2#}; Bo Ding^{1,2}; XiaoXia Zhu^{1,2,3}; Mark A. Bauer^{2,3}; Robert D. Frisina^{1,2,3*} Affiliations: 1) Dept of Communication Sciences and Disorders, College of Behavioral & Community Sciences, University of South Florida 2) Department of Medical Engineering, College of Engineering and Morsani College of Medicine, University of South Florida 3) Department of Chemical & Biological Engineering, College of Engineering, University of South Florida 4) Global Center of Hearing and Speech Research, University of South Florida</p>

2019 AGING & SPEECH COMMUNICATION CONFERENCE
University of South Florida – Sand Key Beach, FL
November 3-6

POSTER ABSTRACTS

Abstract #66 Poster	Title: Temporal Rate Discrimination Training Effects on Perception and Neural Encoding in Younger and Older Listeners. Authors: Samira Anderson*#, Lindsay A. DeVries, Matthew J. Goupell, Ed Smith, Sandra Gordon-Salant Affiliations: University of Maryland, College Park, MD, 20742
-----------------------------------	--