

American Auditory Society
PROGRAM FOR THE 2012 AAS MEETING
(Tentative – Subject to Change)
March 8-10, 2012, Scottsdale, AZ

Wednesday, March 7th, 2012

8:00 am – 12:00 pm Ear & Hearing Editorial Board Meeting
1:00 pm – 5:00 pm AAS Executive Board Meeting
1:00 pm – 7:00 pm Early Registration Pre-Meeting Activities (Golf, Tennis, etc.)

Thursday, March 8th, 2012

7:00 am – 5:00 pm Registration
8:00 am – 12:00 pm Technology Updates

8:00 am – 8:25 am

Session 1A Connecting People with Communication Devices: Traditional and New Solutions
Tammara Stender, AuD, GN ReSound **MOHAVE I**

Session 1B Sonion Sets New Standards
Aart Z. van Halteren, Sonion Nederland B.V **MOHAVE III**

Session 1C The SUPER CLEAR Aid For Severe-To-Profound Hearing Loss
Jenn Schumacher, AuD, Widex ORCA-USA **PALOMA I**

Session 1D An Open Canal ITC that is Non-custom – Why and When it Might be Better than Open BTE's
Chris Conger; Robert Fretz, Intricon Corp. **PALOMA III**

8:30 am – 8:55 am Repeat of Sessions 1A through 1D

9:00 am – 9:25 am

Session 2A The ISTS Option for the FONIX 8000 Test System
George J. Frye, Frye Electronics, Inc. **MOHAVE I**

Session 2B Get a Cue! Intelligent Frequency Lowering with Spectral iQ
Michelle L. Hicks, PhD, Starkey Hearing Technologies **MOHAVE III**

Session 2C Cochlear Implantable Technology: Nucleus Cochlear Implant System and Baha BP110
Aaron Parkinson, PhD; George Cire, AuD, Cochlear Americas **PALOMA I**

Session 2D Fun with Plastic and Other Hearing Aid Technologies
Daniel M. Warren, PhD, Knowles Electronics, LLC **PALOMA III**

9:30 am – 9:55 am Repeat of Sessions 2A through 2D

10:00 am – 10:25 am

Session 3A A Self-Calibrating Audiometer
Robert H. Margolis, PhD, Audiology Incorporated **MOHAVE I**

Session 3B Using Middle-Ear Reflectance and Audiometry to Diagnose Conductive Hearing Loss
Jont Allen, PhD; Patricia Jeng, PhD; and Joshua Hajicek, Mimosa Acoustics, Inc. **MOHAVE III**

- Session 3C SmartEP - Advanced AEP Research Tools with cABR
Erdem Yavuz, MD, PhD; Rafael E. Delgado, PhD, Intelligent Hearing Systems
PALOMA I
- Session 3D The Harmony® HiResolution® Bionic Ear System: New Technology for Everyday Hearing
Sarah Goldberg, MS, CCC-A, Advanced Bionics, LLC
PALOMA III

10:30 am – 10:55 am Repeat of Session 3A through 3D

11:00 am – 11:25 am

- Session 4A Water-Proof or Water-Resistant: Is One All Wet?
Thomas A. Powers, PhD, Siemens Hearing Instruments, Inc.
MOHAVE I
- Session 4B Preservation of Dynamic Details of Speech
Donald J. Schum, PhD, Oticon, Inc.
MOHAVE III
- Session 4C Right On Target with Phonak Spice Technology
Robin Mock, AuD, Phonak
PALOMA I
- Session 4D Implementation of Remote Diagnostics and Patient Counseling: RemotEAR
Dave Davis, Otovation, LLC
PALOMA III

11:30 am – 11:55 am Repeat of Session 4A through 4D

12:00 pm – 1:00 pm Outdoor Box Lunch

1:10 pm – 1:30 pm Opening Comments
Tim Trine, PhD, AAS President
Yvonne Sininger, PhD, President-Elect and Program Chair

1:30 pm – 2:30 pm Translational Research I
James O. Phillips, PhD

2:45 pm – 4:45 pm Concurrent Podium Presentations

Session I: Hearing Science/ Electrophysiology

- 2:45PM - 3:05PM ABR Predictions of Behavioral Threshold: Effect of Hearing Loss Degree
Ryan McCreery
- 3:05PM - 3:25PM Effects of Microphone Directionality on Spectral Characteristics of Wind Noise
King Chung
- 3:25PM - 3:45PM Effects of Broadband Noise on Multiple-Stimulus ASSR Amplitude Interactions
Robert Burkard
- 3:45PM - 4:05PM Addressing the Confounding Role of Standing Waves on the Acoustic Calibration of a Sound Source
Marissa Y. Habeshy
- 4:05PM - 4:25PM Level Effects on Spectral Resolution Measures for Normal-Hearing and Hearing-Loss
Evelyn Davies-Venn
- 4:25PM - 4:45PM Are Visual Cues Necessary for Binaural Loudness Constancy?
Mary Florentine

Session II: Auditory Processes in Children/ OAEs

2:45PM - 3:05PM	Effect of Hearing Loss on Children's Comprehension in Complex Environments Dawna E. Lewis
3:05PM - 3:25PM	Efferent Control in Children with Auditory Processing Disorders Thierry Morlet
3:25PM - 3:45PM	Triggering the Word Learning Process in Children with Hearing Loss Andrea Pittman
3:45PM - 4:05PM	Infants' Asymptotic Performance in Masked Vowel Discrimination Lynne Werner
4:05PM - 4:25PM	Repeatability of Distortion Product Otoacoustic Emission (DPOAE) Mapping James A. Norris
4:25PM - 4:45PM	Clinical Application of OAEs Reconsidered Carolina Abdala

Session III: Speech Perception

2:45PM - 3:05PM	Language and Stimulus Intelligibility Effects on ANL: A Cross-Country Study Yu-Hsiang Wu
3:05PM - 3:25PM	The Acceptable Noise Level test: Poor Repeatability Steen Østergaard Olsen
3:25PM - 3:45PM	Frequency-Transposed Vocoded Speech Augments Low-Frequency Acoustic Hearing Sarah F. Poissant
3:45PM - 4:05PM	Masking Release for Sentences in Competing Accented Speech Lauren Calandruccio
4:05PM - 4:25PM	Modeling Speech Perception in Competing Speech and Speech Modulated Noise Kenneth Kragh Jensen
4:25PM - 4:45PM	Individual Variability of Hearing Impaired Consonant Perception Andrea Trevino
5:00 pm – 6:15 pm	Carhart Memorial Lecture <i>Judy R. Dubno, PhD</i>
6:30 pm – 7:30 pm	Opening Reception

Friday, March 9th, 2012

7:00 am – 5:00 pm	Registration
8:00 am – 8:30 am	Young Investigator Research Presentation <i>Konstantina Stankovic, MD, PhD</i>
8:30 am – 10:30 am	Mentored Graduate & Resident Research Posters, T35 Posters & General Posters
10:30 am – 11:30 am	Translational Research II <i>Barbara Shinn-Cunningham, PhD</i>
12:00 pm – 1:15 pm	Awards Luncheon

Membership Update, *Tim Trine, PhD, AAS President*
Life Achievement Award, *Arthur Boothroyd, PhD*
Ear & Hearing Editor's Award, *to be determined*

1:30 pm – 3:00 pm NIH Discussions with Student Award Recipients and other Interested Researchers
1:30 pm – 4:00 pm Mentored Graduate & Resident Research Posters, T35 Posters & General Posters
6:00 pm – 10:00 pm Food & Social at the MIM!

Saturday, March 10th, 2012

8:00 am – 9:00 am Translational Research III
Chris Turner, PhD
9:15 am – 12:15 pm Concurrent Podium Presentations

Session I: Cochlear Implants

9:15AM - 9:35AM The Effect Of Dead Regions On The Benefit Of Electric And Acoustic Stimulation
Ting Zhang
9:35AM - 9:55AM Speech Perception Outcomes with the New Nucleus CI422 25mm Straight Array
Artur Lorens
9:55AM - 10:15AM A Clinical Application of the Spectral Envelope Perception Task
Anthony J. Spahr
10:15AM - 10:35AM Segmental and Indexical Perception following Early Cochlear Implantation
Ann Geers
10:35AM – 10:55AM REFRESHMENT BREAK
10:55AM - 11:15AM Effects of Lower Frequency-to-Electrode Allocations on Pitch and Speech Perception
Ann Perreau
11:15AM - 11:35AM Speech recognition in noise with fixed and roving source azimuth
Rene H. Gifford
11:35AM - 11:55AM Speech Acquisition from 3-10 Years in Early-Implanted Children
Emily Tobey
11:55AM - 12:15PM Is the Advantage of Early Cochlear Implantation Maintained over Time?
Ann Geers

Session II: Risk Factors & Etiology

9:15AM - 9:35AM Auditory Outcomes in Individuals in Rehabilitation Due to Mild TBI
Kathy R. Vander Werff
9:35AM - 9:55AM Excess Hearing Loss in Specific Occupations: Review of Cross-sectional Studies
Robert Dobie
9:55AM - 10:15AM Hearing Handicap Inventory: Factor Analysis and Model for Aging
David Zapala
10:15AM - 10:35AM Early Adjustment to Amplification Results in Better Outcome Later On

Steve Benton

- 10:35AM – 10:55AM REFRESHMENT BREAK
- 10:55AM - 11:15AM Cigarette Smoking Increases the Risk of Hearing Impairment
Karen Cruickshanks
- 11:15AM - 11:35AM Genetic Bases of Noise-induced Hearing Loss in University Student Musicians
Susan L. Phillips
- 11:35AM - 11:55AM BMI, Physical Activity and Risk of Hearing Loss in Women
Sharon G. Curhan
- 11:55AM - 12:15PM Risk Factors for Notched Audiograms of Older Adults: AGES–Reykjavik Study
Howard J. Hoffman

Session III: : A Tribute to Jack Vernon's and Mary Meikle's Contributions to
Tinnitus Research/Followed by Acoustic Reflectance

- 9:15AM - 9:35AM Tinnitus: The Contributions of Jack Vernon and Mary Meikle
Robert Burkard
- 9:35AM - 9:55AM Tinnitus Prevention Through Educational Outreach
William Hal Martin
- 9:55AM - 10:15AM Glutamate Is Down-Regulated and Loudness-Level-Decreased Following Rtms for
Tinnitus Suppression
Anthony T. Cacace
- 10:15AM - 10:35AM Enriched Enrollment Design, Clinical Trial of Acamprosate for Tinnitus
William Hal Martin
- 10:35AM – 10:55AM REFRESHMENT BREAK
- 10:55AM - 11:15AM The Cerebellum As A Modulator Of Chronic Tinnitus
Carol Bauer
- 11:15AM - 11:35AM Wideband Absorbance Tympanometry And Acoustic Reflexes In Newborn Hearing
Screening
Lisa L. Hunter
- 11:35AM - 11:55AM Reflectance Measurements on Normal and Fluid-Filled Newborn Ears
Susan Voss
- 11:55AM - 12:15PM Reflectance and Ear Canal Losses
Robert H. Withnell
- 12:15 pm – 1:30 pm Outdoor Box Lunch
- 1:30 pm – 4:00 pm Special Session – Evidence Base for Clinical Practice
Michael Stewart, MD
Ruth A. Bentler, PhD
David R. Moore, PhD
Quentin Summerfield, PhD
- 4:00 pm – 4:15 pm Summary & Adjourn