



NHCA

VIRTUAL CONFERENCE
FEBRUARY 10-12, 2022
WWW.HEARINGCONSERVATION.ORG



Thursday • February 10 • 2022

10:00am – 2:30pm	Workshops (Live)
10:00am – 12:00pm	Workshop 1: Hearing Protector Fit-Testing <i>Speakers: William Murphy, Laurie Wells</i>
10:00am – 2:30pm	Workshop 2: Hearing Health “Boothless” Audiometry Workshop <i>Speakers: Kathy Gates, Marjorie Grantham, Jesse Norris, Renee LeFrancois, Laura Prigge, De Wet Swanepoel, Johan Kleyhans</i>
12:30pm – 2:30pm	Workshop 3: Speech Communication and Situational Awareness in Loud Environments – How Deep Learning Could Improve Face-to-Face Communication While Wearing Hearing Protection <i>Speaker: Jan Rennies-Hochmuth</i>
3:00pm – 6:00pm	Hot Topic Roundtables (Live)
3:00pm	COVID-19 Lessons Learned <i>Moderated By: Amy Blank & John Merkley</i> The current pandemic has impacted our lives in many ways. That impact has been keenly felt in the way we administer hearing conservation programs. COVID has also highlighted the demand for telehealth, remote, and mobile health services, including hearing conservation. This roundtable will highlight ways hearing conservation services modified operations to keep testing during COVID-19 as well as innovative new ways to conduct hearing health services. Please come with your experiences, knowledge, and questions, and let’s talk about this.
3:30 pm	Impulse Noise <i>Moderated By: William Murphy</i> Understanding what does and does not constitute impulse noise and the physics associated with it can, at first, be daunting, or fun. Either way, if you have an interest in this topic, please come with your knowledge, your questions, your curiosity, and your enthusiasm.
4:00pm	Industrial / Occupational Hearing Conservation <i>Moderated By: Deanene “Dee” Berry</i> This session welcomes all who work in or have an interest in protecting the hearing of the workforce. There are a multitude of topics that can be discussed from building a better program, to the challenges of implementation and compliance, to standards and regulation – or just swapping stories about interesting and fun cases you may have encountered. Come join the conversation.
4:30pm	Music <i>Moderated By: Laura Sinnott</i> This session is meant for sharing the issues that arise when “music” becomes “noise” and threatens the hearing of those working in the music industry and the recipients of their work. Come discuss situations you encountered, solutions you have found, and the joy of working in this field.
5:00pm	Hearing Conservation in Public Health <i>Moderated By: Kathy Gates & Vickie Tuten</i> If you have an extensive background or just want to learn about the challenges of hearing conservation as a Public Health issue, come and share challenges, innovations, solutions, and successes! Come with questions and learn from each other. You will be sure to leave with new tools to use and resources you can tap.
5:30pm	Young Professional in Hearing Conservation <i>Moderated By: Don Finan</i> This session will allow those early in their careers to learn about and discuss the variety of directions one can go in hearing conservation, from audiology, occupational medicine, acoustical engineering, and more. Please come with your knowledge, your questions, your curiosity, and your enthusiasm.
6:00pm – 7:00pm	Drinks & Dessert: A Toast to Theresa Schulz Meet and Greet Happy Hour with Trivia and Prizes. Share your best ideas for ear-themed drinks and/or desserts in the following categories: “Sudden Impulse,” “Quiet by Design,” “Call Me Ear-resistible,” and “The Theresa.”

***All Times Central Time (CT)**

Friday • February 11 • 2022

Plenary Session (Live)	
9:30am – 10:00am	Welcome Remarks <i>Speakers: Theresa Schulz, NHCA President and Lynnette Bardolf, Program Task Force Chair</i>
10:00am – 10:30am	Keynote Address - Animal Audiology: A New Day for Conservation <i>Speaker: Peter Scheifele</i>
10:30am – 11:00am	2022 Update on the Apple Hearing Study <i>Speaker: Richard Neitzel</i>
11:00am – 12:00pm	Sponsor Ignite Presentation
12:00pm – 12:15pm	Break
12:15pm – 12:45pm	Localization of Backup Alarms with Level-Dependent HPDs in Individuals with Hearing Impairment <i>Speaker: Chantal Laroche</i>
12:45pm – 1:15pm	Impact of Military Noise Exposure on Hearing Loss, Tinnitus and Subjective Hearing Difficulties in Service Members and Veterans using the Lifetime Exposure to Noise and Solvents Questionnaire <i>Speaker: James Schultz</i>
1:15pm – 1:45pm	Safe-In-Sound Award and Closing Remarks
1:45pm – 3:00pm	Sponsor Trivia & Networking with drink/dessert contest <i>(immediately following Safe-In-Sound Awards)</i>

***All Times Central Time (CT)**

Saturday • February 12 • 2022

Plenary Session (Live)	
9:30am – 10:30am	Welcome Remarks and Awards Ceremony
10:30am – 11:00am	Peeling the Speech Banana <i>Speaker: Donald Finan</i>
11:00am – 11:30am	NHCA Business Meeting
11:30am – 11:45am	Break
11:45am – 12:15pm	The Life and Influence of Everyone's Favorite Cochlear Evangelist, Don Gasaway <i>Speakers: Elliott Berger, Theresa Schulz</i>
12:15pm – 12:45pm	Gasaway Lecture - Integration: We've Come A Long Way Since the '50s <i>Speaker: John Allen</i>
12:45pm – 1:40pm	Luncheon Presentation - The ISS Sound Scape <i>Speaker: Astronaut Michael Barratt</i>
1:40pm – 1:45pm	Closing Remarks <i>Speakers: Lynnette Bardolf, 2022 Program Chair and Gayla Poling, NHCA President</i>
1:45pm – 3:15pm	ePoster Presentations (Live) See page 10 for the full list and more information

***All Times Central Time (CT)**

Accuracy of Audiometric Indicators of Hearing Trouble	<i>Kristy Deiters</i>
Adult Hearing Wellness Screenings-Expanding the Scope of Audiologic Care at Mayo Clinic.....	<i>Gayla Poling</i>
Association of Noise from Various Sources with Risk of Hearing Trouble and Tinnitus: The 2014 National Health Interview Survey	<i>Christa Themann</i>
Auditory function and Health Related Quality of Life in Forestry Workers.....	<i>Sridhar Krishnamurti</i>
Augmenting HCP Compliance Using Real-Time In-Ear Noise Monitors.....	<i>Rob Brauch</i>
CDC NIHL Workgroup Update.....	<i>John Eichwald</i>
Cigarette Smoking as a Risk Factor for Bothersome Tinnitus.....	<i>Gregory Flamme</i>
Comparisons of Auditory Risk Metrics with Suppressed and Unsuppressed Civilian Firearms	<i>William Murphy</i>
Comprehensive Characterization of M777 Howitzer Noise Exposure: Clarifying the Dose in the Dose-Response Relationship.	<i>Quintin Hecht</i>
Developing a Fast and Easy System for Hearing- and Earplug Fit-Testing	<i>Jennifer Tufts</i>
Evaluating Earplug Performance Over a Workshift with a Fit-Test System.....	<i>William Murphy</i>
Extended High Frequency Audiometry as a Predictor of Noise Induced Hearing Loss	<i>Shannon Barry</i>
Field fit testing with E-A-Rfit Dual-Ear in China.....	<i>Shibiao Su</i>
Genetic Risk Factors for Noise-Induced Hearing Loss and Tinnitus.....	<i>Ishan Sunilkumar Bhatt</i>
Healthy Hearing, Healthy Aging in the Time of Covid	<i>Jan Moore</i>
Hearing Conservation Efforts in a University School of Music Program	<i>Allie Heckman</i>
How Does the Historically Racist Policy of Redlining Impact Transportation Noise Experienced Today by Neighborhoods in Urban Centers Across Michigan?.....	<i>Lauren Smith</i>
Impact of Occupational Noise on Work-Related Injuries Across the US in 2019	<i>Abas Shkemi</i>
Implications of Sampling Theory on Acoustic Impulse-Noise Measurement and Damage Risk Criteria	<i>Christopher Smalt</i>
Jet-Fuel Exposures and Central Auditory Nervous System Difficulties.....	<i>Laura Dreisbach Hawe</i>
Resolved Tinnitus in a Touring Audio Engineer: A Case Study	<i>Heather Malyuk</i>
Song of the Starbird: Educational Game to Promote STEM and Hearing Health	<i>Mattheus Ueckermann</i>
The Effects of Noise Source Locations on Listener's Acceptable Noise Level (ANL)	<i>Bankole Fasanya</i>
The Importance of Perceived Temporary Threshold Shifts in Hearing Conservation Programs.....	<i>Douglas Brungart</i>
Threshold Shift Trends in Occupational Hearing Conservation Programs: 1970 to 2019.....	<i>Gregory Flamme</i>
Using Boothless Audiometry in the Clinic (and out) to Enhance Hearing Readiness.....	<i>Benjamin Sheffield</i>
Using True Wireless Earphones to Support Accurate Audiometric Tests in Non-Clinical Settings – Preliminary Validation.....	<i>Tai Iien Chiang</i>
Validation of Electromechanical Hearing Protection Evaluation Methods.....	<i>Theodore Argo</i>