

American Industrial Hygiene Association Indiana Section



- When:** Wednesday, May 14, 2008 - 11:30-1:30pm
- Where:** E-A-R Building on the NE corner of 79th and Zionsville Rd
- Title:** Current Developments in Hearing Protection with tour of the E-A-R Hearing Protection R&D Facility
- Topic:** The Indiana Section of the American Industrial Hygiene Association invites you to a lecture and accompanying tour of the Aearo Technologies E-A-RCAL hearing protection research laboratory and Electroacoustic Sound Laboratory (ESL). This is an opportunity to see a state-of-the-art NVLAP-accredited measurement facility involved in hearing protection research and development.

Following lunch, Elliott Berger will present a short lecture on current developments in hearing protection. He is Senior Scientist, Auditory Research for Aearo, and chairs the ANSI S12/WG11 Committee on Hearing Protectors, is Past President of the National Hearing Conservation Association, and is the principal editor of the highly regarded best-selling AIHA Noise Manual.

After the talk, we will tour the E-A-RCAL and ESL facilities. The E-A-RCAL facility includes a 113 m³ reverberant test chamber with vanishingly low background noise levels, as well as state-of-the-art instrumentation for hearing protection measurements. The ESL chamber is designed for sound generation up to 125 dB SPL for evaluation of the performance of electronic and military systems as well as for research into speech intelligibility of communication systems.

The two laboratories support the Aearo product lines of E-A-R and Peltor, two of the most recognized names in hearing protection and communications. E-A-R invented foam earplugs and introduced them to the world in 1972. Today they offer many hearing protection options including premolded and pod plugs, earmuffs, and HiFi earplugs for those who desire better-sounding hearing protection. Peltor is well known for premium quality earmuffs and electronic and communications earplugs and earmuffs.

Speaker: Elliott H. Berger, M.S

Elliott H. Berger, M.S., is the Senior Scientist for Auditory Research at E-A-R. For over 30 years he has studied hearing protection, hearing conservation, and related topics, and has presented his research in numerous lectures and publications. He chairs the ANSI working group on hearing protector attenuation, served on a National Academy of Science committee evaluating hearing loss in the military, is Past-President of the National Hearing Conservation Association, a Fellow of both the Acoustical Society of America and the American Industrial Hygiene Association, a past Board Member of the Council for Accreditation in Occupational Hearing Conservation, and a recipient of the National Hearing Conservation Association's Outstanding Hearing Conservationist Award. Among his favorite sounds is the occasional and rapidly disappearing pristine silence to be heard in the deserts of the southwest.



www.e-a-r.com/hearingconservation

www.aiha.org/indiana.htm