



3rd Joint Meeting of the Acoustical Society of America and the European Acoustics Association Boston, Massachusetts, USA Student Council Suggested Talks for Students

These talks have been selected by the members of the ASA Student Council to be of interest to students. This is not intended to be a comprehensive list of all talks that students should attend; students are highly encouraged to browse through the meeting program to find other talks that they would like to attend.

Sunday, 25 June

1aAO *Exploring ocean ecosystems and dynamics through sound* (Acoustical Oceanography Prize Lecture), Jennifer L. Miksis-Olds

10:35am - 11:40am, ROOM 310

1aPPb *Active listening in auditory scenes* (Auditory Neuroscience Prize Lecture), Cynthia F. Moss

11:00am - 12:00pm, ROOM 311

1pAB1 *Effects of prior intense noise exposure on the ability of big brown bats to navigate through clutter*, Kelsey Hom

1:20pm - 1:40pm, ROOM 313

1pAAb1 *Investigation of heavy-soft impact noise transmission in fitness facilities*, John LoVerde

1:20pm - 1:40pm, ROOM 207

1pBAb3 *Functional neuro-imaging with magnetic resonance elastography*, Samuel Patz

2:20pm - 2:40pm, ROOM 312

1pSP7 *Clustering technology for the analysis and classification of bioacoustic vocalizations*, Ian Agranat

3:40pm - 4:00pm, ROOM 302

1pAB8 *Dolphin auditory brainstem responses to frequency-modulated chirps*, James Finneran

4:00pm - 4:20pm, ROOM 313

1pUWb8 *A tomography experiment using ships as sources of opportunity*, William A. Kuperman

4:00pm - 4:20pm, ROOM 309

1pEA10 *Electric power generation using acoustic helical wavefronts in air*, Ruben D. Muelas H.

4:40pm - 5:00pm, ROOM 204

Monday, 26 June

2aBAb1 *Real-time ablation monitoring and lesion quantification using harmonic motion imaging guided focused ultrasound (HMIgFUS)*, Elisa Konofagou

9:20am - 9:40am, BALLROOM B

2aIDb1 *Approaches to Pushing the Limits of Human Brain Imaging*, Bruce Rosen

9:20am - 10:00am, BALLROOM C

2aPAa3 *Infrasound an internal gravity waves generated by atmospheric storms*, Sergey Kulichkov

10:00am - 10:20am, ROOM 210

2aSAa3 *Demonstration of a broadband aqueous acoustic metasurface*, Matthew D. Guild

10:00am - 10:20am, ROOM 201

2aSPa3 *Sliding windows and persistence*, Jose Perea

10:00am - 10:20am, ROOM 302

2aUWa4 *Three-dimensional modeling in global acoustic propagation*, Kevin D. Heaney

10:20am - 10:40am, ROOM 306

2aPAb3 *A three-dimensional simulation of vortex formation at the open end of an acoustic waveguide*, Carlos Malaga

11:00am - 11:20am, ROOM 300

2aEDa *Communicating scientific research to non-scientists* (See program)

9:35am - 12:20pm, ROOM 304

2aAO8 *Thirty years of scintillating acoustic data in diverse ocean environments, thanks to David Farmer*, Daniela Di Iorio

12:00pm - 12:20pm, ROOM 310

2pMU1 *Trekking around ancestors of smart instruments*, Charles Besnainou

1:20pm - 1:40pm, ROOM 200

2pNSa1 *Soundscape design of an open-air concert venue using virtual reality technologies*, Andy Chung

1:20pm - 1:40pm, ROOM 203

2pSAb1 *Vibration damping materials with enhanced loss due to microstructural nonlinearity*, Michael R. Haberman

1:20pm - 1:40pm, ROOM 204

2pAAc3 *Towards a common parameter characterizing the dynamical responsiveness of a concert hall*, Tapio Lokki

2:00pm - 2:20pm, ROOM 208

2pID2 *The ins and outs of capturing brain activities associated with auditory perception and cognition*, Adrian KC Lee

2:00pm - 2:20pm, BALLROOM C

2pABb5 *Automatic classification of humpback whale social calls*, Lisa Bauer

2:40pm - 3:30pm, ROOM 313

2pPA5 *Local-distance acoustic propagation from explosions*, Stephen Arrowsmith

2:40pm - 3:00pm, ROOM 210

2pEA6 *Stop whistling! A note on fluid driven whistles in flow ducts*, Mikael Karlsson

3:20pm - 3:40pm, ROOM 205

2pNSb8 *Sonic boom weather analysis of the F-18 low boom dive maneuver*, Juliet Page

4:00pm - 4:20pm, ROOM 202

2pSC8 *Computer simulation of the vocal tract in speech production*, Ian Stavness

4:00pm - 4:20pm, ROOM 304

2pPPa *Resource sharing in a collaborative study on cochlear synaptopathy and suprathreshold-hearing deficits*, Hari M. Bharadwaj

4:20pm - 4:40pm, ROOM 311

2pAO11 *Insights from acoustical oceanography: A personal assessment*, David Farmer

5:00pm - 5:20pm, ROOM 310

2pSC11 *Measuring regional displacements of tongue parts on ultrasound during /r/ articulation*, Sarah M. Hamilton

5:00pm - 5:20pm, ROOM 304

Tuesday, 27 June

3aIDa1 *Hearing as an extreme sport: Underwater ears, infra to ultrasonic and surface to the abyss* (Keynote Lecture), Darleen Ketten

8:05am - 9:00am, BALLROOM B

3aSAa2 *Radiosity and radiative transfer in sound and vibration*, Alain Le Bot
9:40am - 10:00am, ROOM 204

3aAAb2 *Designing triangular diffusers for architectural acoustics*, Trevor J. Cox
9:40am - 10:00am, ROOM 208

3aUWb3 *Scattering from objects buried in sandy sediments using a fully scattered field finite element approach*, Anthony L. Bonomo
10:00am - 10:20am, ROOM 306

3aPPb3 *Clang, chitter, crunch: Perceptual organization of onomatopoeia*, Oliver C. Bones
11:00am - 11:20am, ROOM 304

3pMU9 *Velocity analysis of the vacuum-driven clarinet reed*, (Poster) Carter K. Richard
1:20pm - 3:40pm, BALLROOM A

3pPAa2 *Acoustics in disordered granular materials: from the particle scale to force networks*, Karen Daniels
1:40pm - 2:00pm, ROOM 210

3pEA4 *Sensing sound with a nanoscale fiber*, Ronald Miles
2:20pm - 2:40pm, ROOM 205

3pEA6 *Capacitive micromachined ultrasound transducers for acoustic anemometry on Mars*, Gardy K. Ligonde
3:00pm - 3:20pm, ROOM 205

3pSP6 *Directional information extracted from time reversal scanning to image stress corrosion crack orientation*, Brian E. Anderson
3:00pm - 3:20pm, ROOM 302

Wednesday, 28 June

4aSAa2 *Imaging challenging media by full waveform inversion of ultrasonic signals*, Ludovic Moreau
8:20am - 8:40am, ROOM 201

4aAAf1 *Simulation of acoustic environments part 1: Computer models*, Michael Vorlaender
8:20am - 8:40am, ROOM 208

4aMU3 *Absolute pitch is disrupted by an auditory illusion*, Diana Deutsch
8:40am - 9:00am, ROOM 200

4aEAa4 *A biologically-inspired piezoelectric microphone*, Neal A. Hall
9:00am - 9:20am, ROOM 205

4aUWc1 *Environmentally adaptive acoustic sensing, communication and navigation in distributed undersea networks*, Henrik Schmidt
10:40am - 11:00am, ROOM 306

4pSC1 *Using smartphone apps to map phonetic variation in British English, German, and Swiss German*, Adrian Leemann
1:20pm - 1:40pm, ROOM 312

4pNSa4 *Quiet cars and blind pedestrians*, Robert Wall Emerson
2:20pm - 2:40pm, ROOM 203

4pSC5 *Not-quite-nave listeners: Students as an audience for gamified crowdsourcing*, Tara McAlister Byun
2:40pm - 3:00pm, ROOM 312

4pPPb6 *Towards a cognitively controlled hearing aid*, Torsten Dau
3:20pm - 3:40pm, ROOM 304

4pMU7 *On the efficiency of vocalization in humans and other vertebrates*, Ingo R. Titze
3:40pm - 4:00pm, ROOM 200

4pSC7 *Wildcat Voices: Remote recording using open web standards*, Kevin B. McGowan
3:40pm - 4:00pm, ROOM 312

4pSPc4 *Optical methods for modeling and experimental detection of sound sources behind windows*, Christoph Borel-Donohue
4:40pm - 5:00pm, ROOM 302

Thursday, 29 June

5aNSa1 *Noise forecasting: a machine-learning and probabilistic approach*, Carl R. Hart
8:40am - 9:00am, ROOM 203

5aBAb3 *Passive elastography in soft-tissues: phase velocity measurement*, Bruno Giammarino
9:00am - 9:20am, ROOM 312

5aUWa4 *Source depth discrimination using the array invariant*, Rmi Emmetiere
9:00am - 9:20am, ROOM 306

5aPA2 *A spheroid model for the sound radiation of a loudspeaker on a sound bar*, Vincent Roggerone
9:20am - 9:40am, ROOM 210

5aMU10 *High-resolution directivities of played musical instruments*, Timothy W. Leishman
11:20am - 11:40am, ROOM 200

5aSAb4 *Vibroacoustic analysis of table tennis rackets and balls: The acoustics of ping pong*, Daniel A. Russell
11:40am - 12:00pm, ROOM 204

5aAO11 *Development of a new acoustic mapping method for eelgrass and macroalgae using a multi-beam echo-sounder*, Ashley R. Norton
12:00pm - 12:20pm, ROOM 310

5pED *Teaching tips for the new (or not so new) acoustics faculty members* (See program)
1:15pm - 4:40pm, ROOM 204

5pBAb1 *Ultrasound Molecular Imaging*, Jonathan Lindner
1:20pm - 1:40pm, BALLROOM B

5pAO2 *Synthetic aperture sonar interferometry for detailed seabed mapping: Performance considerations*, Roy E. Hansen
1:40pm - 2:00pm, ROOM 310

5pSPb3 *Evolving the audio equalizer*, David Yonovitz
2:00pm - 2:20pm, ROOM 302

5pBAb4 *Ultrasound triggered mRNA delivery to dendritic cells - towards an in vivo cancer vaccination strategy*, Ine Lentacker
2:20pm - 2:40pm, BALLROOM B

5pNSb6 *Face the music: Classical music students and the sound of performance*, Stephen Dance
3:20pm - 3:40pm, ROOM 202

5pPPa6 *The perception of musical consonance beyond the traditional existence region of pitch*, Samuele Carcagno
3:20pm - 3:40pm, ROOM 304

5pAAa7 *Sound systems in reverberant spaces: approaches in practice*, David S. Woolworth
3:40pm - 4:00pm, ROOM 207

5pAB10 *Toward an unsupervised and automated analysis framework for large acoustic datasets to assess animal biodiversity and ecosystem health*, Yu Shiu
4:40pm - 5:00pm

Questions, comments, or suggestions? Find a member of the Student Council and ask!

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