

159th Meeting of the Acoustical
Society of America:
Student Council
Suggested Talks for Students



Monday, 19 April

- 8:30 AM** *Time domain numerical simulation of scattering by objects in the seafloor*
1aUW3- Laurel C/D
- 8:40 AM** *Biology of noise-induced hearing loss*
1aPP2- Harborside B
- 9:05 AM** *The accessible Arctic Ocean*
1aAO1- Harborside A
- 9:20 AM** *Acoustics and the LEED rating systems*
1aAAa6- Essex A/B/C
- 9:25 AM** *The Arctic underwater acoustic environment*
1aAO2- Harborside A
- 9:30 AM** *Traditional string instruments of the world*
1aMU1- Kozmos
- 9:50 AM** *Acoustical materials for a green world: The sustainable design transformation of the architectural acoustics industry*
1aAAa8- Essex A/B/C
- 10:25 AM** *Noise-induced hearing loss in the military*
1aPP7- Harborside B
- 11:15 AM** *Simulations for investigating contrast mechanism of biological cells with high frequency scanning acoustic microscopy*
1aBB12- Kent A/B
- 1:00 PM** *Marine bioacoustics in a changing Arctic*
1pAO1- Harborside A
- 1:05 PM** *Acoustic sensing for urban battlefield applications*
1pSP1- Galena
- 1:10 PM** *Oceanic noise: Mechanisms, radiation characteristics, and array results*
1pUW1- Laurel C/D
- 1:20 PM** *Including passive acoustic capability in Arctic ocean observing systems*
1pAO2- Harborside A
- 1:20 PM** *Directivity indices for rocket noise modeling: Measurement considerations*
1pNSa1- Laurel A/B
- 2:15 PM** *Auditory hair cell regeneration in teleost fishes: A review*
1pAB5- Waterview B/C
- 2:35 PM** *Noise-induced hearing loss: From animals to humans*
1pAB6- Waterview B/C

Tuesday, 20 April

- 8:20 AM** *Impact of Mack Breazeale on the ultrasonic studies of interfaces*
2aPA2- Dover A/B
- 8:20 AM** *Soundscape research in networking across countries*
2aNSb1- Laurel A/B
- 8:25 AM** *An overview of unmanned underwater vehicle noise in the low to mid frequency bands*
2aSAa1- Harborside B
- 8:30 AM** *Basics of blast physics*
2aBB2- Kent A/B
- 9:00 AM** *Release from speech-on-speech masking under degraded signal conditions (Poster)*
2aPP4- Essex A/B/C
- 9:00 AM** *Interaural time difference thresholds as a function of the duration of the beginning of a sound in hearing impaired adults (Poster)*
2aPP12- Essex A/B/C
- 9:00 AM** *Effect of auditory deprivation on binaural sensitivity in bilateral cochlear implant users (Poster)*
2aPP20- Essex A/B/C
- 9:45 AM** *Dealing with noise in automatic speech recognition*
2aSC6- Essex A/B/C
- 10:25 AM** *Optimal microphone placement for active noise control in a forced-air cooling system*
2aNSa6- Dover C
- 10:30 AM** *Vibroacoustics in airplane design*
2aSAb1- Harborside B
- 11:00 AM** *Anechoic chamber verification for calibration of reference sound sources*
2aNcb7- Grand Ballroom I/II
- 1:00 PM** *The application of auditory models to hearing aid research*
2pPP1- Harborside B
- 1:20 PM** *Research on acoustical memory discovered in the laboratory of Mack Breazeale*
2pPA3- Dover A/B
- 1:30 PM** *A Bayesian model of voice-onset time production (Poster)*
2pSC13- Essex A/B/C
- 1:30 PM** *A multiphysics model of hearing aid vibroacoustics using finite elements*
2pSA1- Galena
- 1:45 PM** *An approach to noise impact assessment for long-term construction*
2pNCa4- Grand Ballroom I/II
- 2:30 PM** *Derivation of a Ritz series modeling technique for acoustic cavity-structural systems based on a constrained Hamiltons principle*
2pSA4- Galena
- 3:00 PM** *A relation between flow, noise, and system impedance for notebook computers*
2pNCb9- Grand Ballroom III/IV
- 4:30 PM** *Evaluating hearing aid processing with an auditory model of modulation sensitivity*
2pPP12- Harborside B

Wednesday, 21 April

- 8:05 AM** *Perceptual expectations, attention, and speech recognition*
3aSC1- Harborside A
- 8:25 AM** *Effects of middle-ear disorders on ear-canal reflectance measures in human cadaver ears*
3aEA2- Galena
- 8:30 AM** *What is known about banjo science and what is not yet known*
3aMU1- Kozmos
- 9:20 AM** *Prediction of shaped sonic boom focusing*
3aPA5- Dover A/B
- 9:50 AM** *Measurement and characterization of army impulsive noise sources*
3aNSa6- Laurel A/B
- 11:15 AM** *Distance perception by non-territorial zebra finches and budgerigars*
3aABb4- Laurel C/D
- 1:00 PM** *Hot Topics in Acoustics*
3pID1,2,3- Grand Ballroom V
- 1:00 PM** *Acoustic changes in the vocal signals of grasshopper sparrows during early development (Poster)*
3pAB1- Grand Foyer West/North
- 1:00 PM** *Vocal behavior of North Atlantic humpback whales during reunion events on Stellwagen Bank (Poster)*
3pAB8- Grand Foyer West/North
- 1:15 PM** *Glass breakage by blasts: A prediction model and real-world validation*
3pNS2- Laurel A/B
- 1:30 PM** *Approaches for ultrasonic damage detection in aircraft components for structural health monitoring*
3pSA1 - Dover C
- 2:15 PM** *How do listeners react to different urban soundscapes? A functional MRI study of perception and emotion*
3pPP5- Grand Ballroom III/IV
- 5:35 PM** *Hands on demonstrations for Project Listen Up: Education outreach*
3eED1- Grand Ballroom I/II

Thursday, 22 April

- 7:40 AM** *Bayesian approach to model based signal processing: An overview*
4aSP1- Essex A/B/C
- 8:00 AM** *Individual differences reveal the basis of consonance*
4aPP1- Grand Ballroom V
- 8:45 AM** *The estimation of geoacoustic parameters via frequencies 25 to 100 Hz*
4aAO2- Harborside B
- 8:45 AM** *Molecular dynamics of nonlinear and nonequilibrium effects in sound propagation*
4aPAa2- Grand Ballroom III/IV
- 8:50 AM** *Head-tracking interface using a Wii remote*
4aEA4- Laurel A/B
- 9:00 AM** *Design of critical listening rooms: A historical perspective*
4aAAa1- Harborside A

- 9:30 AM** *Back to vitruvius?*
4aAAc1- Kozmos
- 9:30 AM** *Parametrically excited oscillations: Where does the energy come from?*
4aPAa5- Grand Ballroom III/IV
- 9:40 AM** *Musical experience impacts hearing speech in noise*
4aPP6- Grand Ballroom V
- 10:45 AM** *High-pressure magnetically driven compression waves in condensed matter*
4aPAb2- Grand Ballroom III/IV
- 11:00 AM** *Edison phonograph recording and reproduction in a concert hall*
4aAAa7- Harborside A
- 3:30 PM** *Noise and vibration transmission reduction using multi-element multi-path structures*
4pSA6- Dover A/B

Friday, 23 April

- 7:35 AM** *Building information management: An acoustics consultants perspective*
5aAA1- Kent A/B
- 7:40 AM** *Statistical pattern classification: A review and some current problemsparadigms*
5aSP1- Essex A/B/C
- 8:00 AM** *Phonetic learning in utero (Poster)*
5aSC1- Grand Ballroom VII/VIII/IX
- 8:00 AM** *Vowel-inherent spectral change in isolated vowels and consonant vowel consonants (Poster)*
5aSC13- Grand Ballroom VII/VIII/IX
- 8:05 AM** *Electret condenser microphones*
5aEA1- Laurel A/B
- 8:20 AM** *Moments in history*
5aSP3- Essex A/B/C
- 8:25 AM** *Piezoelectret microphones*
5aEA2- Laurel A/B
- 8:15 AM** *Revit and the role of architectural acoustics in the design process*
5aAA3- Kent A/B
- 9:00 AM** *Extended techniques of the contrabass*
5aMU3- Kozmos
- 1:00 PM** *Focusing, maintaining and switching attention*
5pAB1- Grand Ballroom I/II

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.