Architectural Acoustics (AA)

3aAA1: *Go's and no-go's towards more correct reverberation room measurements of absorption,* Michael Vorländer, May 25, 8:20am-8:40am, Plaza Ballroom F

3aAA5: *Non-cuboid Iterative Room Optimizer,* Peter D'Antonio, May 25, 9:40am-10:00am, Plaza Ballroom F

3pAA5: *Spatial room impulse response measurement and post-processing for virtual reproduction of a stereo sound system,* Zane Rusk, May 25, 2:30pm-2:45pm, Plaza Ballroom F

Animal Bioacoustics (AB)

1aAB1: *Identifying and building on the current state of bioacoustics software,* Tessa Rhinehart, May 23, 8:25am-8:45am, Governors Square 17

1aAB6: *Combining neural network and sequence analyses to determine animal call repertoires,* Vincent Janik, May 23, 10:20am-10:40am, Governors Square 17

2pAB1: *How toothed whales hunt with echolocation,* Peter Madsen, May 24, 1:05pm-1:30pm, Governors Square 17

Acoustical Oceanography (AO)

3aAO1: *How Prevalent is Acoustic Scattering from Physical Microstructure?,* Andone Lavery, May 25, 8:35am-8:55am, Governors Square 14

3aAO2: *Echosounding in estuaries: Lessons learned from operations and data in four coastal systems,* Christopher Bassett, May 25, 8:55am-9:15am, Governors Square 14

3aAO7: *High resolution measurements of the epi- and mesopelagic ocean by a profiling vehicle equipped with environmental sensors and a broadband echosounder,* Benjamin Grassian, May 25, 10:35am-10:50am, Governors Square 14

Biomedical Acoustics (BA)

2aBAa4: *Investigating response to treatment of pulmonary fibrosis in rats using ultrasound multiple scattering,* Marie Muller, May 24, 10:00am-10:30am, Governors Square 14

3aBA1: *Bubble-vessel interactions: From physics to applications in brain disease theranostics,* Hong Chen, May 25, 8:00am-8:30am, Governors Square 15

4pBA8: *Charging of devices for healthcare applications, using ultrasound wireless power,* Inder Raj Makin, May 26, 4:10pm-4:30pm, Governors Square 15

Engineering Acoustics (EA)

3aEA6: *Nonreciprocal acoustic scattering from an elastic plate with spatiotemporally modulated material properties,* Benjamin Goldsberry, May 25, 9:45am-10:00am, Governors Square 10

4pEA3: *A remote lab exercise to introduce students to the fundamentals of bioacoustics using smartphones and R,* Dena Clink, May 26, 1:45pm-2:05pm, Governors Square 10

4pEA7: *Macriaphone: A Stargazer's Microphone Design,* Alexey Titovich, May 26, 3:00pm-3:15pm, Governors Square 10

Musical Acoustics (MU)

1pMU2: *The Effect of Acoustic Environments on Singers' Vocal Behaviors and Mental Effort,* Keiko Ishikawa, May 23, 1:20pm - 1:35pm, Directors Row H

3aMU1: *Modeling musician diffraction for artificially excited clarinet directivity measurements,* Samuel Bellows, May 25, 9:05am - 9:20am, Directors Row H

3pMU1: *Why did wind instruments stop evolving?,* Jonas Braasch, May 25, 1:05pm - 1:25pm, Directors Row H

Noise (NS)

1aNS2: *Thwarted by data, saved by fundamentals*, K. Anthony Hoover, May 23, 9:45am-10:05am, Plaza Ballroom E

4aNS5: *Utilizing mobile devices to facilitate collection of correlated noise data and psychological and physical effects*, Kimberley Riegel, May 26, 9:45am-10:00am, Plaza Ballroom D

4pNS1: *On the development of virtual reality tools to aid in the design interior soundscapes*, Semiha Yilmazer, May 26, 1:05pm-1:20pm, Plaza Ballroom A

Physical Acoustics (PA)

1aPAa1*: Low-Frequency Acoustic Monitoring in Urban Environments*, Sarah McComas, May 23, 8:00am-8:30am, Governors Square 11

4aPA10: *Complex frequency sink*, Curtis Rasmussen, May 26, 11:00am-11:15am, Governors Square 11

5aPA6: *Acoustic streaming in the cochlea*, Charles Thompson, May 27, 9:15am-9:30am, Governors Square 11

Psychological and Physiological Acoustics (PP)

2aPP6: *Listening effort over time: Single-trial electrophysiological measures of listening effort in middle-aged adults*, Cynthia Hunter, May 24, 11:25am-11:40am, Plaza Ballroom D

3aPPb3: *The effect of masker type on the sensitivity of the Digits in Noise test for detecting hearing loss*, Coral Dirks, May 25, 10:30am-10:45am, Plaza Ballroom D

3aPPb4: *Contralateral unmasking for single-sided-deafness cochlear-implant users with shifted frequency assignments to reduce interaural place mismatch,* Joshua Bernstein, May 25, 10:45am-11:00am, Plaza Ballroom D

Structural Acoustics and Vibration (SA)

1aSA9: *Wave propagation in a continuum phonociv material with geomaterial-inspired nonlinearity*, Elizabeth Smith, May 23, 10:55am-11:10am, Governors Square 12

2aSA3: *Spatiotemporally modulated reflective acoustic metasurfaces*, Michael Haberman, May 24, 2:00pm-2:20pm, Governors Square 12

4aSAa1: *Aerogel-based ultralight noise absorbers fabricated using 3D freeze printing*, Bhisham Sharma, May 26, 8:30am-8:45am, Governors Square 12

Speech Communication (SC)

2aSC: *Race, Racialization, and Racism in Speech Perception*, Kristin Van Engen, May 24, 9:00am-11:50am, Plaza Ballroom E

Signal Processing in Acoustics (SP)

2aSP5: *Are universal beamformers passive cognitive sonar systems*, John Buck, May 24, 9:50-10:10, Governors Square 16

2pSP4: *Partial Field Visualization Using an Advanced Circular Aperture, Continuous-Scan Acoustic Array*, John McShane, May 24, 2:05pm-2:20pm, Governors Square 16

4aSP1: *Development tools for deep learning models of acoustical signal processing*, Scott Hawley, May 26, 8:30am-8:55am, Governors Square 16

4aSP4: *Prediction model formulations for detection, enumeration, and localization of multiple sound sources using spherical harmonics*, Ning Xiang, May 26, 9:35am-9:55am, Governors Square 16

Underwater Acoustics (UW)

2pUW1: *John Preston's contribution to ONR collaborative research efforts*, Kyle Becker, May 24, 1:05pm-1:25pm, Plaza Ballroom F

3pUW2: *The Arctic underwater soundscape today and as projected for 2030*, Kerri Seger, May 24, 1:15pm-1:30pm, Governors Square