



174th Meeting of the Acoustical Society of America New Orleans, Louisiana, 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.

Monday, 4 December

1aAO5 *The sounds of submarine volcanoes*, Gabrielle Tepp
9:05am - 9:20am, SALON F/G/H

1aNS7 *Modeling community noise impacts from launch vehicle propulsion noise*, Michael M. James
9:55am - 10:15am, STUDIO 2

1aEAa2 *Towards acoustic particle velocity sensors in air using entrained balloons: measurements and modeling*, Randall Williams
10:45am - 11:00am, BALCONY N

1aSA7 *Methods for measuring the vibratory response of the ground*, James E. Phillips
11:20am - 11:40am, BALCONY L

1pEAa4 *An experimental study on the role and function of the diaphragm in modern acoustic stethoscopes*, Lukasz Nowak
1:45pm - 2:00pm, BALCONY N

1pEAa5 *A study on a friendly automobile klaxon production with rhythm*, SangHwi Jee
2:00pm - 2:15pm, BALCONY N

1pMU4 *Serpents on parade*, D. Murray-Campbell
2:05pm - 2:25pm, STUDIO 4

1pSP6 *Recording and post-processing speech signals from magnetic resonance imaging experiments*, Juha Kuortti
2:55pm - 3:15pm, SALON D

1pUW8 *Measurements of the acoustic-field autoproductions*, David R. Dowling
3:00pm - 3:15pm, SALON A/B/C

1pAO8 *Detection and characterization of hydrocarbon droplets using broadband echosounders*, Scott Loranger
3:15pm - 3:35pm, BALCONY M

1pAB9 *Soundscape stability in king penguin colonies*, Daniel P. Zitterbart
3:20pm - 3:35pm, SALON F/G/H

1pSA1 *Acoustic scattering from finite bilaminar rib-stiffened cylindrical shells*, Sabih I. Hayek
3:30pm - 3:45pm, BALCONY L

1pAB11 *Aerodynamic sound production from flying beetles*, John S. Allen
3:50pm - 4:05pm, SALON F/G/H

Tuesday, 5 December

2aSP2 *Achieving the transparent ocean*, Peter J. Stein
8:20am - 8:40am, SALON D

2aSP3 *Effect of beamwidth on detection of near-bottom targets with multibeam echosounders*, Christian de Moustier
8:40am - 9:00am, SALON D

2aSA3 *Active acoustic metamaterials using sensor-driver architecture*, Bogdan Ioan Popa
9:10am - 9:30am, SALON A/B/C

2aMU4 *Searching for early reflected waves after strike of Caribbean steelpan using time-resolved electronic speckle pattern interferometry*, Andrew C. Morrison
9:20am - 9:40am, STUDIO 4

2aSC2 *The relation of auditory perceptual ratings of nasality to nasal port area in connected speech*, Brad H. Story
9:25am - 9:45am, ACADIA

2aPA6 *An acoustic approach to assess natural gas quality in real time*, Andi Petculescu
11:00am - 11:20am, BALCONY L

2aAA10 *Worship space acoustics and architecture for contemporary services with modern music*, Robert C. Coffeen
11:20am - 11:40am, STUDIO 9

2aEA8 *Application of carbon nanotube thermophones in consumer electronics*, Stephania M. Vaglica
11:30am - 11:45am, BALCONY N

2pEA1 *Timbre analysis from monotone rearranging of the acoustic signal: application to fountains*, Laura Velardi
1:00pm - 1:15pm, BALCONY N

2pPA1 *Champagne bubble acoustics*, Kyle S. Spratt
1:00pm - 1:15pm, BALCONY L

2pBA1 *Quantitative analysis of the angiogenic microvasculature in tumor using multiple scattering and Dual-Frequency Transducers*, Marie M. Muller
1:05pm - 1:25pm, BALCONY M

2pNSa1 *Evaluating hospital soundscapes to improve patient experience*, Jay Bliefnick
1:05pm - 1:25pm, STUDIO 2

2pSA2 *Acoustic performance of phononic crystals for underwater coating applications*, Gyani Shankar Sharma
1:15pm - 1:30pm, SALON A/B/C

2pID *Guidance from the experts: Applying for grants and fellowships* (See program)
2:00pm - 3:30pm, STUDIO 7

2pMUa1 *Early history of the accordion family: Where did all the accordions come from?*, James P. Cottingham
2:00pm - 2:20pm, STUDIO 4

2pAA7 *Diffusion: when phase and energy can become more important than directivity to the perception of "space"*, Ronald Sauro
3:20pm - 3:35pm, STUDIO 9

2pSP11 *Automated passive acoustic detection, classification, localization and tracking methods applied to recorded data from the Pacific Missile Range Facility, Kauai, Hawaii*, Stephen W. Martin
3:45pm - 4:00pm, SALON D

2pNSb3 *Electric vehicles - safe and quiet with acoustic vehicle alerting systems?*, Rene Weinandy
4:15pm - 4:35pm, STUDIO 2

2pMUb *Cajun Music Concert*, the Savoy Family Band
5:00pm - 6:00pm, SALON E

Wednesday, 6 December

3aAA1 *Analyses of crowd-sourced sound levels, logged from more than 2250 restaurants and bars in New York City*, Gregory Farber
7:50am - 8:10am, STUDIO 9

3aPPa *Exploring the perception of sound* (Poster Session)
8:00am - 12:00pm, STUDIOS FOYERS

3aSC2 *Teaching phonetics and speech science what's changed and what hasn't*, Fredericka Bell-Berti
8:25am - 8:45am, ACADIA

3aAB1 *Exposure-induced changes in laboratory mouse ultrasonic vocalizations*, Kali Burke
8:30am - 8:45am, SALON F/G/H

3aSA1 *Simplified shell modelling for submerged structures*, Jerry H. Ginsberg
8:35am - 8:55am, BALCONY N

3aUWa5 *An application of Bayesian inference techniques to compare three competing sandy sediment models*, Anthony L. Bonomo
9:00am - 9:15am, SALON E

3aMU5 *Acoustic characterization of a ukelele*, Tyler J. Cottrell
9:45am - 10:00am, STUDIO 4

3aBA6 *Remote sparse distributed sensors to image bondline defects between a composite panel and a stiffener*, Michel Castaings
10:25am - 10:45am, BALCONY M

3aSC9 *Flipping the phonetics classroom*, Catherine L. Rogers
11:00am - 11:15am, ACADIA

3aSC11 *Online vs. in-person: Exploring the outcomes and impacts*, Benjamin V. Tucker
11:30am - 11:45am, ACADIA

3aPA9 *Dynamic measurement of blood viscoelasticity by an oscillatory acoustic tweezing technique*, Nithya Kasireddy
11:30am - 11:45am, BALCONY L

3pSP1 *The Virtual Ocean: A high-fidelity, physics-based testbed for distributed, autonomous undersea acoustic sensing networks*, Henrik Schmidt
1:00pm - 1:20pm, SALON D

3pNS1 *Acoustic planning of a music festival site*, Adam Young
1:15pm - 1:30pm, STUDIO 2

3pBA4 *Ultrasound and lipid-coated microbubbles for osteogenic differentiation of mesenchymal stem cells in 3D printed tissue scaffolds*, Kausik Sarkar
1:45pm - 2:00pm, BALCONY M

3pNS5 *A preliminary look at the acquisition of acoustic field data using selected smartphone apps*, Jennifer Lentz
2:15pm - 2:30pm, STUDIO 2

Thursday, 7 December

4aSCa1 *Sociophonetic trends in studies of Southern English*, Erik R. Thomas
8:05am - 8:30am, STUDIO 7

4aAB2 *Temporal features of conditioned reduction in dolphin auditory brainstem responses*, James J Finneran
8:15am - 8:30am, SALON F/G/H

4aPA1 *Infrasound from small explosions from near to intermediate ranges*, Luis De Jesus Diaz
9:00am - 9:15am, BALCONY L

4aPP1 *Auditory object formation from background noise improves speech perception*, Maury Lander-Portnoy
9:00am - 9:15am, STUDIO 4

4aPP2 *Background noise interacts with spectral context effects during speech categorization*, Christian Stilp
9:15am - 9:30am, STUDIO 4

4aBA4 *Intersections of neuromodulation, focused ultrasound, and gene delivery with brain-penetrating nanoparticles*, Richard J. Price

10:00am - 10:30am, BALCONY M

4aPP7 *Detection of frequency glides in single tones and single formants: Are tones appropriate analogs of formants in psychophysical experiments?*, Michelle R. Molis
10:45am - 11:00am, STUDIO 4

4aPP8 *Comparison of scoring methods for spatial release from masking for speech based on analysis of psychometric function slope*, Eric Hoover
11:00am - 11:15am, STUDIO 4

4pAA1 *A brief history of the multi-use theatre form*, Robin S. Glosemeyer Petrone
1:05pm - 1:25pm, STUDIO 9

4pAO2 *Biological effects and the Grain-Shearing model of wave propagation in unconsolidated sediments*, Michael J. Buckingham
1:20pm - 1:40pm, SALON A/B/C

4pAB5 *Dynamic representations of 3D auditory space in the midbrain of the free-flying echolocating bat*, Ninad Kothari
2:25pm - 2:45pm, SALON F/G/H

4pUW7 *Modeling annual variations in high-frequency scattering from sea ice*, Anthony P. Lyons
2:30pm - 2:45pm, SALON E

4pPA1 *Gravitational wave sources and data analysis*, Benjamin Owen
2:35pm - 3:05pm, BALCONY L

4pAO5 *Core And Resonance Logger (CARL) measurements of fine-grained sediments containing infauna*, Gabriel R. Venegas
2:35pm - 2:55pm, SALON A/B/C

4pSPA8 *Echolocating dolphins as opportunistic signal sources for observing fine structure in impulse responses of acoustic scatterers*, Brian G. Ferguson
3:40pm - 4:00pm, SALON D

4pBA11 *Mapping the electrical activity of the heart in vivo using ultrafast acoustoelectric imaging*, Jean Provost
3:45pm - 4:00pm, BALCONY M

4pAA12 *Multi-purpose halls: Wave of a new future or dead-end?* Paul H. Scarbrough
5:00pm - 5:20pm, STUDIO 9

Friday, 8 December

5aAO1 *Confounding effects of environment-dependent propagation on automated classification of Cetaceans*, Carolyn M. Binder
9:00am - 9:15am, SALON A/B/C

5aUW4 *Passive underwater acoustic markers for navigation and information encoding for high frequency sound navigation and ranging (SONAR) devices*, Aprameya Satish
9:15am - 9:30am, SALON E

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