

**TECHNICAL PROGRAM CALENDAR**  
**174th Meeting of the Acoustical Society of America**  
**4–8 December 2017**

**MONDAY MORNING**

- 8:15 1aAA **Architectural Acoustics and Noise:** Impact of Entertainment Sound on Communities. Studio 9
- 8:00 1aAO **Acoustical Oceanography and Animal Bioacoustics:** Oceanographic Contributions to the Characteristics and Variability of the Underwater Soundscape. Salon F/G/H
- 9:00 1aEAa **Engineering Acoustics:** General Topics in Engineering Acoustics I. Balcony N
- 10:30 1aEAb **Engineering Acoustics:** General Topics in Engineering Acoustics II. Balcony N
- 7:50 1aNS **Noise and Physical Acoustics:** Supersonic Jet and Rocket Noise I. Studio 2
- 8:55 1aSA **Structural Acoustics and Vibration and ASA Committee on Standards:** Standards in Structural Acoustics and Vibration. Balcony L
- 9:00 1aSP **Signal Processing in Acoustics, Underwater Acoustics, and Engineering Acoustics:** Source Tracking with Microphone/Hydrophone Arrays I. Salon D
- 8:15 1aUW **Underwater Acoustics:** Underwater Acoustic Scattering and Reverberation. Salon E

**MONDAY AFTERNOON**

- 1:00 1pAA **Architectural Acoustics and Psychological and Physiological Acoustics:** Perceived Diffuseness I. Studio 9
- 1:00 1pAB **Animal Bioacoustics and Acoustical Oceanography:** Bioacoustic Contributions to the Characteristics and Variability of Soundscapes, Underwater or Terrestrial. Salon F/G/H
- 1:00 1pAO **Acoustical Oceanography and Underwater Acoustics:** Acoustic Scattering from Hydrocarbons and Hydrothermal Vents. Balcony M
- 1:00 1pEAa **Engineering Acoustics:** General Topics in Engineering Acoustics III. Balcony N
- 2:45 1pEAb **Engineering Acoustics:** General Topics Engineering Acoustics IV. Balcony N
- 1:00 1pMU **Musical Acoustics:** Marching Band Instruments. Studio 4
- 1:00 1pNS **Noise and Physical Acoustics:** Supersonic Jet and Rocket Noise II. Studio 2
- 1:25 1pPA **Physical Acoustics, Biomedical Acoustics, and Engineering Acoustics:** 30th

Anniversary of the National Center for Physical Acoustics. Balcony I/J/K

- 3:30 1pSA **Structural Acoustics and Vibration:** General Topics in Structural Acoustics and Vibration. Balcony L
- 2:00 1pSC **Speech Communication:** Voice, Tone, and Intonation (Poster Session). Acadia
- 1:00 1pSP **Signal Processing in Acoustics, Underwater Acoustics, and Engineering Acoustics:** Source Tracking with Microphone/Hydrophone Arrays II. Salon D
- 1:00 1pUW **Underwater Acoustics:** Underwater Acoustic Propagation: Models, Methods, and Statistics. Salon A/B/C

**MONDAY EVENING**

- 5:15 1eIDa **Interdisciplinary:** Special Presentation on The Clarinet in Early New Orleans Jazz. Salon E
- 7:00 1eIDb **Interdisciplinary:** Tutorial Lecture on Infrasound Phenomenology, Propagation, and Detection. Salon D

**TUESDAY MORNING**

- 8:00 2aAA **Architectural Acoustics and Musical Acoustics:** Performance Spaces for Modern Music. Studio 9
- 8:35 2aAB **Animal Bioacoustics, Signal Processing in Acoustics, Underwater Acoustics, and Acoustical Oceanography:** In Memory of George Ioup: Acoustics in the Gulf of Mexico I. Salon E
- 8:25 2aBA **Biomedical Acoustics, Structural Acoustics, and Physical Acoustics:** Wave Propagation in Complex Media: From Theory to Applications I. Balcony M
- 9:00 2aEA **Engineering Acoustics:** Thermophone Transduction. Balcony N
- 9:00 2aED **Education in Acoustics:** Undergraduate Research Exposition (Poster Session). Studios Foyer
- 8:15 2aMU **Musical Acoustics:** Measurement Methods and Instrumentation for Musical Acoustics. Studio 4
- 9:00 2aPA **Physical Acoustics:** Sound Used as an Investigative Tool for Industrial Solutions. Balcony L
- 8:30 2aSA **Structural Acoustics and Vibration, Physical Acoustics, Signal Processing in**

**Acoustics, and Engineering Acoustics:** Acoustic Metamaterials I. Salon A/B/C

9:00 2aSC **Speech Communication:** Articulatory and Acoustic Characteristics of Nasalization. Acadia

7:55 2aSP **Signal Processing in Acoustics and Underwater Acoustics:** Detection, Classification, Localization and Tracking (DCLT) Using Acoustics (and Perhaps Other Sensing Modalities) I. Salon D

8:20 2aUW **Underwater Acoustics, Acoustical Oceanography, Physical Acoustics, and Signal Processing in Acoustics:** Sediment Characterization Using Direct and Inverse Techniques I. Salon F/G/H

1:00 2pSA **Structural Acoustics and Vibration, Physical Acoustics, Signal Processing in Acoustics and Engineering Acoustics:** Acoustic Metamaterials II. Salon A/B/C

1:00 2pSC **Speech Communication:** Speech Production (Poster Session). Acadia

1:00 2pSP **Signal Processing in Acoustics and Underwater Acoustics:** Detection, Classification, Localization and Tracking (DCLT) using Acoustics (and Perhaps Other Sensing Modalities) II. Salon D

1:00 2pUW **Underwater Acoustics, Acoustical Oceanography, Physical Acoustics, and Signal Processing in Acoustics:** Sediment Characterization Using Direct and Inverse Techniques II. Salon F/G/H

**TUESDAY AFTERNOON**

1:15 2pAA **Architectural Acoustics and Psychological and Physiological Acoustics:** Perceived Diffuseness II. Studio 9

1:00 2pAB **Animal Bioacoustics, Signal Processing in Acoustics, and Acoustical Oceanography:** In Memory of George Ioup: Acoustics in the Gulf of Mexico II. Salon E

1:00 2pBA **Biomedical Acoustics, Structural Acoustics and Vibration, and Physical Acoustics:** Wave Propagation in Complex Media: From Theory to Applications II. Balcony M

1:00 2pEA **Engineering Acoustics:** General Topics in Engineering Acoustics V. Balcony N

2:00 2pEDa **Education in Acoustics:** Acoustics Education Prize Lecture. Balcony I/J/K

3:15 2pEDb **Education in Acoustics:** General Topics in Acoustics Education. Balcony I/J/K

2:00 2pID **Interdisciplinary:** Guidance from the Experts: Applying for Grants and Fellowships. Studio 7

1:55 2pMUa **Musical Acoustics:** Cajun Music: Accordions, Culture, and History. Studio 4

5:00 2pMUB **Musical Acoustics:** Cajun Music Concert by the Savoy Family Band. Salon E

1:00 2pNSa **Noise, Architectural Acoustics, and ASA Committee on Standards:** Evaluation of Acoustics in Hospitals and Healthcare Facilities. Studio 2

3:30 2pNSb **Noise, Speech Communication, Psychological and Physiological Acoustics, and ASA Committee on Standards:** Acoustics and its Role in Accessibility (e.g. Americans with Disabilities Act). Studio 2

1:00 2pPA **Physical Acoustics:** General Topics in Physical Acoustics I. Balcony L

**WEDNESDAY MORNING**

7:45 3aAA **Architectural Acoustics:** Restaurant Acoustics. Studio 9

8:30 3aAB **Animal Bioacoustics:** General Bioacoustics. Salon F/G/H

11:00 3aAO **Acoustical Oceanography:** Munk Award Lecture. Salon E

8:25 3aBA **Biomedical Acoustics, Structural Acoustics and Vibration, and Physical Acoustics:** Wave Propagation in Complex Media: From Theory to Applications III. Balcony M

8:30 3aED **Education in Acoustics:** Hands-On Acoustics Demonstrations for Middle- and High-School Students. Balcony I/J/K

7:40 3aID **Interdisciplinary and ASA Committee on Standards:** Practical Applications in Acoustics. Studio 7

8:45 3aMU **Musical Acoustics:** General Topics in Musical Acoustics. Studio 4

8:30 3aPA **Physical Acoustics and Biomedical Acoustics:** Acoustofluidics. Balcony L

8:00 3aPPa **Psychological and Physiological Acoustics:** Exploring the Perception of Sound (Poster Session). Studios Foyer

8:00 3aPPb **Psychological and Physiological Acoustics:** Perception and Physiology: Musicians, Musical Instruments, and the Body (Poster Session). Studios Foyer

8:30 3aSA **Structural Acoustics and Vibration:** Applications of Finite Element Analysis, Boundary Element Analysis, and Statistical Element Analysis Computational Methods. Balcony N

8:00 3aSC **Speech Communication and Education in Acoustics:** Teaching Phonetics and Speech

- Science in the New Millennium: Challenges and Opportunities. Acadia
- 9:00 3aSP **Signal Processing in Acoustics and Underwater Acoustics:** Detection, Classification, Localization, and Tracking (DCLT) using Acoustics (and Perhaps Other Sensing Modalities) III. Salon D
- 7:40 3aUWa **Underwater Acoustics, Acoustical Oceanography, Physical Acoustics, and Signal Processing in Acoustics:** Sediment Characterization Using Direct and Inverse Techniques III. Salon E
- 8:00 3aUWb **Underwater Acoustics:** Session in Honor of Chester McKinney. Salon A/B/C

### WEDNESDAY AFTERNOON

- 1:15 3pAA **Architectural Acoustics:** Speech Privacy Concerns in Open Plan Spaces. Studio 9
- 1:00 3pBA **Biomedical Acoustics:** Imaging I. Balcony M
- 1:00 3pIDa **Interdisciplinary:** Hot Topics: Hunt is Still Hot. Salon E
- 1:15 3pIDb **Interdisciplinary:** ASA Hunt Postdoctoral Research Fellows: Through the Years (Poster Session). Studios Foyer
- 1:15 3pNS **Noise and ASA Committee on Standards:** Urban Planning Using Soundscape I. Studio 2
- 1:00 3pPA **Physical Acoustics:** General Topics in Physical Acoustics II. Balcony L
- 1:00 3pSC **Speech Communication:** Clinical Populations (Poster Session). Acadia
- 1:00 3pSP **Signal Processing in Acoustics and Underwater Acoustics:** Detection, Classification, Localization, and Tracking (DCLT) Using Acoustics (and Perhaps Other Sensing Modalities) IV. Salon D

### WEDNESDAY EVENING

- 5:00 3eED **Education in Acoustics and Women in Acoustics:** Listen Up and Get Involved. Balcony I/J/K

### THURSDAY MORNING

- 8:25 4aAA **Architectural Acoustics:** Speech Intelligibility in Reverberation and Noise. Studio 9
- 8:00 4aAB **Animal Bioacoustics:** General Biosonar. Salon F/G/H
- 8:00 4aAO **Acoustical Oceanography, Underwater Acoustics, and Physical Acoustics:** Biological Effects on Seabed Geoacoustic Properties I. Salon A/B/C

- 8:25 4aBA **Biomedical Acoustics:** Ultrasound-Mediated Neuromodulation. Balcony M
- 7:55 4aNS **Noise and ASA Committee on Standards:** Urban Planning Using Soundscape II. Studio 2
- 9:00 4aPA **Physical Acoustics:** Infrasound, Atmospheric Sound Propagation, and Turbulence. Balcony L
- 9:00 4aPP **Psychological and Physiological Acoustics:** Psychoacoustics of Speech Perception in Noise, Localization, and Frequency Selectivity. Studio 4
- 8:00 4aSCa **Speech Communication:** The Southern States: Social Factors and Language Variation I. Studio 7
- 11:00 4aSCb **Speech Communication:** The Southern States: Social Factors and Language Variation II (Poster Session). Studios Foyer
- 8:00 4aSP **Signal Processing in Acoustics, Structural Acoustics and Vibration, and Physical Acoustics:** Signal Processing in Acoustic Metamaterials. Salon D
- 8:00 4aUW **Underwater Acoustics:** Underwater Soundscapes and Noise: Measurement and Abatement. Salon E

### THURSDAY AFTERNOON

- 1:00 4pAA **Architectural Acoustics:** Back to the Future: A Look at Multipurpose Spaces, How They've Changed & What's Next. Studio 9
- 1:00 4pAB **Animal Bioacoustics:** Neurophysiology of Echolocation. Salon F/G/H
- 1:00 4pAO **Acoustical Oceanography, Underwater Acoustics, and Physical Acoustics:** Biological Effects on Seabed Geoacoustic Properties II. Salon A/B/C
- 1:00 4pBA **Biomedical Acoustics:** Imaging II. Balcony M
- 4:00 4pED **Education in Acoustics, Physical Acoustics, Signal Processing in Acoustics, Engineering Acoustics, and Underwater Acoustics:** Synthetic Aperture Sonar for Youngsters. Balcony I/J/K
- 1:00 4pNS **Noise, ASA Committee on Standards, and Structural Acoustics and Vibration:** Wind Turbine Noise. Studio 2
- 2:30 4pPA **Physical Acoustics, Engineering Acoustics, Structural Acoustics and Vibration, and Signal Processing in Acoustics:** Acoustics of Detecting Gravitational Waves using LIGO. Balcony L
- 1:00 4pSC **Speech Communication:** Speech Perception and Word Recognition (Poster Session). Studios Foyer

1:00 4pSPa **Signal Processing in Acoustics, Underwater Acoustics, Acoustical Oceanography, and Animal Bioacoustics:** Signal Processing Methods Exploiting the Information Content Provided by Sources of Opportunity I. Salon D

4:05 4pSPb **Signal Processing in Acoustics, Underwater Acoustics, Acoustical Oceanography, and Animal Bioacoustics:** Signal Processing Methods Exploiting the Information Content Provided by Sources of Opportunity II. Salon D

1:00 4pUW **Underwater Acoustics:** Arctic Acoustics. Salon E

**FRIDAY MORNING**

8:30 5aAA **Architectural Acoustics:** Topics in Architectural Acoustics: Measurements, Modeling, and Isolation. Studio 9

9:00 5aAO **Acoustical Oceanography:** Topics in Acoustical Oceanography. Salon A/B/C

9:00 5aBA **Biomedical Acoustics:** Therapeutic Ultrasound. Balcony M

8:00 5aPA **Physical Acoustics and Structural Acoustics and Vibration:** Nonlinear Elasticity in Geomaterials. Balcony L

9:00 5aSC **Speech Communication:** Bilingual and Non-Native Speech Perception and Production (Poster Session). Studios Foyer

8:00 5aSP **Signal Processing in Acoustics:** Topics in Acoustic Signal Processing. Salon D

8:30 5aUW **Underwater Acoustics:** Underwater Measurements and Applications. Salon E