### TECHNICAL PROGRAM CALENDAR
**178th Meeting of the Acoustical Society of America**
**2–6 December 2019**

#### MONDAY MORNING

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#### MONDAY AFTERNOON

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#### MONDAY EVENING

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#### TUESDAY MORNING

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9:00 2aBAb Biomedical Acoustics and Signal Processing in Acoustics: High Frame Rate Ultrasound Imaging: Technical Developments and Clinical Applications I. Hanover

7:45 2aEA Engineering Acoustics and Structural Acoustics and Vibration: Acoustical Engineering in Consumer Electronics. Stuart

7:45 2aEDa Education in Acoustics, Student Council, and Women in Acoustics: Mentoring Graduate and Undergraduate Students. Carousel

11:00 2aEDb Education in Acoustics: Acoustics Education Prize Lecture. Carousel

8:00 2aMU Musical Acoustics: Experimental Methods in Musical Acoustics: Best Practices. Coronet


8:30 2aNSb Noise: Outdoor Entertainment Noise. Continental


9:00 2aPP Psychological and Physiological Acoustics: Current Topics in Physiological and Psychological Acoustics (Poster Session). Crown

8:45 2aSA Structural Acoustics and Vibration and Noise: Flow-Induced Vibration and Noise. Spreckles

9:00 2aSC Speech Communication: Second-Language Acquisition and Bilingualism (Poster Session). Crown

8:00 2aSP Signal Processing in Acoustics: General Topics in Signal Processing II. Regent


TUESDAY AFTERNOON

1:00 2pAA Architectural Acoustics and Musical Acoustics: Large Music Rehearsing Spaces. Windsor

1:30 2pAB Animal Bioacoustics and Acoustical Oceanography: Low-Frequency Sound Production and Passive Acoustic Monitoring II. Edison

1:15 2pAO Acoustical Oceanography and Underwater Acoustics: Session in Honor of Michael Buckingham II. Empress

1:15 2pBAA Biomedical Acoustics and Signal Processing in Acoustics: High Frame Rate Ultrasound Imaging: Technical Developments and Clinical Applications II. Hanover

1:15 2pBAb Biomedical Acoustics: Application of Quantitative Ultrasound in vivo in Humans II. Garden

1:15 2pEA Engineering Acoustics: Engineering Acoustics Mixtape: Microfluidics, Arrays, Pipes, Ducts, and Damping. Stuart

1:00 2pIDA Interdisciplinary and Student Council: Guidance From the Experts: Applying for Grants and Fellowships. Carousel

2:40 2pIDb Interdisciplinary: Introduction to Technical Committees. Carousel

1:00 2pNSa Noise, Architectural Acoustics, and ASA Committee on Standards: Current Trends and Advancements in Applying Acoustics to Smart Cities. Continental/Crystal

3:00 2pNSb Noise: General Noise Session. Continental/Crystal


1:15 2pPPa Psychological and Physiological Acoustics and Speech Communication: Open Source Audio Processing Tools for Hearing Research I. Coronet


1:15 2pSA Structural Acoustics and Vibration: Characterization and Analysis of System Properties. Spreckles


1:00 2pUW Underwater Acoustics: Propagation and Sound Generation Physics and Modeling. Viceroy
WEDNESDAY MORNING

8:00  3aAA  Architectural Acoustics: Assembly Space Renovation Challenges I. Windsor

8:00  3aAB  Animal Bioacoustics: Urban Noise: Its Effects on Animals’ Acoustic Communication. Edison

8:00  3aAO  Acoustical Oceanography and Animal Bioacoustics: Bioacoustics and Acoustical Oceanography: 20 Years Later I. Empress

7:55  3aBA  Biomedical Acoustics: New Frontiers in Doppler Ultrasound. Garden

8:00  3aCA  Computational Acoustics, Structural Acoustics and Vibration, and Signal Processing in Acoustics: Application of Model Reduction in Computational Acoustics. Stuart

8:30  3aED  Education in Acoustics: Hands-On Demonstrations for Middle- and High-School Students. Carousel

9:00  3aMU  Musical Acoustics: General Topics in Musical Acoustics I. Coronet

7:55  3aNS  Noise and ASA Committee on Standards: Community Noise. Continental/Crystal

9:15  3aPA  Physical Acoustics and Engineering Acoustics: Non-Reciprocal and Topological Acoustics. Wilder

9:00  3aPP  Psychological and Physiological Acoustics: Technological Advancements in Hearing Research (Poster Session). Crown


9:00  3aSC  Speech Communication: Speech and Hearing Disorders and Child Speech (Poster Session). Crown

8:00  3aSP  Signal Processing in Acoustics and Underwater Acoustics: Memorial Session in Honor of Ed Sullivan. Regent

8:00  3aUWa  Underwater Acoustics: Sound Interaction with the Seabed. Viceroy

11:00  3aUWb  Underwater Acoustics and Acoustical Oceanography: A.B. Wood Medal and Prize Lecture. Viceroy

WEDNESDAY AFTERNOON

1:00  3pAA  Architectural Acoustics: Assembly Space Renovation Challenges II. Windsor

1:00  3pABa  Animal Bioacoustics and ASA Committee on Standards: Standards in Animal Bioacoustics — Purpose, Need, and Application. Edison

1:00  3pABb  Animal Bioacoustics: Animal Bioacoustics Poster Session. Crown

1:00  3pAO  Acoustical Oceanography and Animal Bioacoustics: Bioacoustics and Acoustical Oceanography: 20 years Later II. Empress

1:00  3pBA  Biomedical Acoustics: Biomedical Acoustics Poster Session. Crown

1:00  3pEA  Engineering Acoustics, Physical Acoustics, and Structural Acoustics and Vibration: Acoustic Holography and Visualization of Sound: Methods and Applications. Stuart

1:00  3pID  Interdisciplinary: Hot Topics in Acoustics. Hanover


1:00  3pPA  Physical Acoustics: General Topics in Physical Acoustics III. Wilder

1:30  3pSA  Structural Acoustics and Vibration: Topics on Health Monitoring and Non-Destructive Testing. Spreckles

1:00  3pSC  Speech Communication: Neuroscience of Speech Production and Perception and Speech Technology (Poster Session). Crown

1:00  3pSP  Signal Processing in Acoustics: General Topics in Signal Processing (Poster Session). Crown

1:00  3pUWa  Underwater Acoustics: Source and System Component Localization. Viceroy

1:00  3pUWb  Underwater Acoustics: Underwater Acoustics Topics (Poster Session). Crown

WEDNESDAY EVENING

5:30  3eED  Education in Acoustics and Women in Acoustics: Listen-Up and Get Involved! Carousel

THURSDAY MORNING

8:30  4aAA  Architectural Acoustics and Noise: Architectural Soundscapes I. Windsor

8:00  4aAB  Animal Bioacoustics, Signal Processing in Acoustics, Acoustical Oceanography, and Computational Acoustics: Applications of Machine Learning to Bioacoustics I. Edison
THURSDAY AFTERNOON

8:15 4aAO  Acoustical Oceanography: Acoustic Propagation and Geoacoustic Inversion. Empress

8:00 4aBAa Biomedical Acoustics: Cavitation Bioeffects I. Garden

10:30 4aBAb Biomedical Acoustics: Biomedical Acoustics I. Hanover

8:00 4aEA Engineering Acoustics: Transducers. Stuart

9:00 4aMU Musical Acoustics: General Topics in Musical Acoustics II. Coronet

9:00 4aNS Noise, Physical Acoustics, and Computational Acoustics: Supersonic Jet Aeroacoustics I. Continental/Crystal

9:00 4aPA Physical Acoustics, Engineering Acoustics, Structural Acoustics and Vibration, and Underwater Acoustics: Aqueous Acoustic Metamaterials I. Wilder

8:00 4aSA Structural Acoustics and Vibration and Computational Acoustics: Computational Methods for Mid-Frequency Structural Acoustic Problems. Spreckles

8:00 4aSC Speech Communication: Speech Production (Poster Session). Crown

7:55 4aSPa Signal Processing in Acoustics and Animal Bioacoustics: Eco-Active Sonar. Regent

9:55 4aSPb Signal Processing in Acoustics: Array Signal Processing I. Regent

8:15 4aUW Underwater Acoustics: Measurements, Instrumentation and Analysis Methods. Viceroy

FRIDAY MORNING


8:30 5aAO Acoustical Oceanography and Underwater Acoustics: Marine Seismoacoustics. Empress

7:30 5aBA Biomedical Acoustics: Ultrasound Phantom Development and Tissue Characterization. Edison

8:30 5aCA Computational Acoustics: General Topics in Computational Acoustics. Hanover

9:00 5aNS Noise, Physical Acoustics, and Computational Acoustics: Jet Noise Reduction Workshop. Continental/Crystal

8:00 5aPA Physical Acoustics: General Topics in Physical Acoustics IV. Wilder

7:30 5aBA Biomedical Acoustics: Ultrasound Phantom Development and Tissue Characterization. Edison

8:30 5aCA Computational Acoustics: General Topics in Computational Acoustics. Hanover

9:00 5aNS Noise, Physical Acoustics, and Computational Acoustics: Jet Noise Reduction Workshop. Continental/Crystal

8:00 5aPA Physical Acoustics: General Topics in Physical Acoustics IV. Wilder

8:00 5aSA Structural Acoustics and Vibration: General Topics in Structural Acoustics and Vibration. Spreckles

8:00 5aSC Speech Communication: Speech Articulation (Poster Session). Crown