

TECHNICAL PROGRAM CALENDAR
162nd Meeting of the Acoustical Society of America
San Diego, California
31 October–4 November 2011

MONDAY MORNING

- 8:00 1aAA **Architectural Acoustics:** Design, Simulation, and Perception of Architectural Acoustics. Sunrise
- 8:00 1aAB **Animal Bioacoustics:** Acoustic Ecology. Pacific Salon 1
- 8:15 1aAO **Acoustical Oceanography, Underwater Acoustics, and Animal Bioacoustics:** Van Holliday Memorial Session I. Pacific Salon 2
- 8:15 1aSA **Structural Acoustics and Vibration:** Multifunctional Composite Structures. Sunset
- 8:00 1aSP **Signal Processing in Acoustics, Noise, Underwater Acoustics, Acoustical Oceanography, and Animal Bioacoustics:** Sampling Methods for Model-Based Parameter Estimation. Royal Palm 1/2
- 8:00 1aUW **Underwater Acoustics and Structural Acoustics and Vibration:** Finite Element Modeling of Acoustic Scattering from Objects in a Heterogeneous Medium. Pacific Salon 3

MONDAY AFTERNOON

- 1:15 1pAA **Architectural Acoustics and Psychological and Physiological Acoustics:** Architectural Acoustics and Audio I. Sunrise
- 1:00 1pAOa **Acoustical Oceanography, Underwater Acoustics, and Animal Bioacoustics:** Van Holliday Memorial Session II. Pacific Salon 2
- 1:00 1pAOB **Acoustical Oceanography and Underwater Acoustics:** Steven Schock Session on Acoustic Bottom Characterization and Subbottom Imaging Including Buried Objects. Pacific Salon 4/5
- 2:00 1pMUa **Musical Acoustics:** Acoustics of Mouth Organs. Towne
- 5:00 1pMUb **Musical Acoustics:** Mouth Organ Concert. Garden Salon 1
- 1:00 1pSAa **Structural Acoustics and Vibration:** Structural Acoustics and Vibration Distinguished Lecture. Sunset
- 2:20 1pSAb **Structural Acoustics and Vibration:** Assorted Topics on Structural Acoustics and Vibration. Sunset
- 1:00 1pSP **Signal Processing in Acoustics:** Underwater Acoustic Communications. Royal Palm 1/2

- 1:15 1pUW **Underwater Acoustics:** Boundary Scattering From the Ocean Bottom or Surface. Pacific Salon 3

MONDAY EVENING

- 7:00 1eID **Interdisciplinary:** Tutorial Lecture on Acoustics of Green Buildings. Sunrise

TUESDAY MORNING

- 8:00 2aAAa **Architectural Acoustics and Psychological and Physiological Acoustics:** Architectural Acoustics and Audio II. Sunrise
- 8:00 2aAAb **Architectural Acoustics, Noise, and Signal Processing in Acoustics:** Accuracy of Absorption, Scattering, and Diffusion Coefficients. Sunset
- 8:15 2aAB **Animal Bioacoustics:** General Topics in Animal Bioacoustics I. Pacific Salon 1
- 8:40 2aEA **Engineering Acoustics and Structural Acoustics and Vibration:** Periodic Structures. Pacific Salon 6/7
- 7:55 2aEDa **Education in Acoustics and Physical Acoustics:** Tools for Teaching Advanced Acoustics I. Towne/Esquire
- 10:30 2aEDb **Education in Acoustics:** Halloween Hands-On Acoustics Demonstrations for Middle-School Students. San Diego
- 8:30 2aMU **Musical Acoustics:** Physical Models for Sound Synthesis I. Garden Salon 1
- 8:10 2aNS **Noise:** Noise Impacts in Quiet Residential Communities. Garden Salon 2
- 7:30 2aPA **Physical Acoustics:** Physical Acoustics of Extreme Environments, Condensed Matter, and More. Royal Palm 3/4
- 8:00 2aSA **Structural Acoustics and Vibration and Architectural Acoustics:** Extraction of Information from Correlations of Random Vibrations. Royal Palm 5/6
- 7:55 2aSC **Speech Communication and Psychological and Physiological Acoustics:** Fifty Years of Invariant/Variant Speech Features: Where Do We Stand? Pacific Salon 4/5
- 8:00 2aSP **Signal Processing in Acoustics, Animal Bioacoustics, Acoustical Oceanography, and Underwater Acoustics:** Overcoming Environment/Medium Effects in Acoustic Tracking of Features or Parameters. Royal Palm 1/2

- 7:55 2aUWa **Underwater Acoustics and Acoustical Oceanography:** Theory and Practical Applications for Bottom Loss I. Pacific Salon 3
- 7:45 2aUWb **Underwater Acoustics:** Acoustic Prediction and Real-Time Sonar Signal Processing for Vehicle Autonomy Applications. Pacific Salon 2

TUESDAY AFTERNOON

- 1:15 2pAA **Architectural Acoustics:** Update on Acoustic Products, Treatments, and Solutions. Sunrise
- 1:00 2pAO **Acoustical Oceanography:** Tomographic, Geoacoustic, and Ambient Noise Inversions. Pacific Salon 2
- 1:00 2pEA **Engineering Acoustics:** General Topics in Engineering Acoustics. Pacific Salon 6/7
- 1:00 2pEDa **Education in Acoustics and Physical Acoustics:** Tools for Teaching Advanced Acoustics II. Towne/Esquire
- 2:55 2pEDb **Education in Acoustics:** Take 5's. Towne/Esquire
- 2:00 2pMUa **Musical Acoustics:** Music Perception and Cognition. Pacific Salon 1
- 3:30 2pMUb **Musical Acoustics:** Music and Auditory Space. Pacific Salon 1
- 1:00 2pNS **Noise:** General Topics—Outdoor Noise. Garden Salon 2
- 1:00 2pPA **Physical Acoustics, Engineering Acoustics, and Structural Acoustics and Vibration:** Hypersonic Spectroscopy of Microstructured Materials. Royal Palm 3/4
- 1:15 2pSA **Structural Acoustics and Vibration:** Session in Honor of Gideon Maidanik. Sunset
- 1:00 2pSCa **Speech Communication:** Error Analysis in Automatic and Human Speech Recognition. Pacific Salon 4/5
- 1:30 2pSCb **Speech Communication:** Deep Brain Stimulation in Parkinson's Disease: Speech and Nonspeech Outcomes. Royal Palm 5/6
- 1:00 2pSP **Signal Processing in Acoustics:** Target Detection and Sonar Related Issues. Royal Palm 1/2
- 1:00 2pUW **Underwater Acoustics and Acoustical Oceanography:** Theory and Practical Applications for Bottom Loss II. Pacific Salon 3

WEDNESDAY MORNING

- 8:00 3aAA **Architectural Acoustics and Musical Acoustics:** Variable Acoustics on Concert Stages I. Sunrise

- 8:00 3aAB **Animal Bioacoustics:** Acoustics for Saving Endangered Species I. Pacific Salon 1
- 7:30 3aBA **Biomedical Acoustics and Physical Acoustics:** Biomedical Applications of Acoustic Radiation Force. Royal Palm 5/6
- 8:30 3aEA **Engineering Acoustics and Biomedical Acoustics:** Micromachined Acoustic Transducers I. Pacific Salon 6/7
- 10:00 3aED **Education in Acoustics and Physical Acoustics:** Undergraduate Research Exposition (Poster Session). Atlas Foyer
- 8:00 3aMU **Musical Acoustics:** Expressivity in Digital Music Synthesis. Towne
- 7:40 3aNS **Noise and Committee on Standards:** Impact of New Environmental Protection Agency (EPA) Regulation on Hearing Protection. Garden Salon 2
- 7:45 3aPA **Physical Acoustics:** Theoretical and Computational Advances. Royal Palm 3/4
- 8:00 3aSCa **Speech Communication:** The Voice Source: From Physiology to Acoustics. Pacific Salon 4/5
- 8:00 3aSCb **Speech Communication:** Production, Processing, Acquisition, and Hearing Among Typical and Atypical Populations (Poster Session). California
- 8:00 3aSPa **Signal Processing in Acoustics:** Array Processing and Source Localization Techniques. Royal Palm 1/2
- 10:30 3aSPb **Signal Processing in Acoustics, Underwater Acoustics, and Biomedical Acoustics:** Fusion of Acoustic Signals with Data from Various Sensor Modalities. Royal Palm 1/2
- 7:40 3aUW **Underwater Acoustics, Acoustical Oceanography, and Signal Processing in Acoustics:** Inversion Methods and Uncertainty Estimation in Ocean Environments. Pacific Salon 3

WEDNESDAY AFTERNOON

- 1:00 3pAAa **Architectural Acoustics and Musical Acoustics:** Variable Acoustics on Concert Stages II. Sunrise
- 1:00 3pAAb **Architectural Acoustics:** Workshop for American Institute of Architects Continuing Education Units. Sunset
- 1:15 3pAB **Animal Bioacoustics:** Acoustics for Saving Endangered Species II. Pacific Salon 1
- 2:10 3pAO **Acoustical Oceanography:** Munk Award Lecture. Pacific Salon 2
- 1:45 3pBA **Biomedical Acoustics:** General Biomedical Ultrasound. Royal Palm 5/6

- 1:00 3pEA **Engineering Acoustics and Biomedical Acoustics:** Micromachined Acoustic Transducers II. Pacific Salon 6/7
- 2:10 3pED **Education in Acoustics:** Acoustics Education Prize Lecture. Royal Palm 3/4
- 1:00 3pIDa **Interdisciplinary:** Hot Topics in Acoustics. Garden Salon 1
- 1:00 3pIDb **Interdisciplinary:** Demystifying Standards. Royal Palm 1/2
- 1:00 3pNS **Noise, Psychological and Physiological Acoustics, and Speech Communication:** New Advances in Bone and/or Tissue Conduction of Noise. Garden Salon 2
- 1:00 3pSC **Speech Communication:** Speech Rhythm in Production, Perception and Acquisition I. Pacific Salon 3

WEDNESDAY EVENING

- 5:30 3eED **Education in Acoustics and Committee on Women in Acoustics:** Listen Up and Get Involved. Pacific Salon 1/2

THURSDAY MORNING

- 7:45 4aAA **Architectural Acoustics, Noise, and Committee on Standards:** Networking in Soundscapes—Establishing a Worldwide Collaboration I. Sunset
- 8:00 4aAB **Animal Bioacoustics:** Long-Term Acoustic Monitoring of Animals I. Pacific Salon 1
- 7:45 4aBA **Biomedical Acoustics:** Thrombolysis and Microbubble-Mediated Therapies. Royal Palm 5/6
- 8:30 4aEAa **Engineering Acoustics:** Energy Harvesting. Pacific Salon 6/7
- 10:00 4aEAb **Engineering Acoustics and Underwater Acoustics:** Vector Sensors, Projectors, and Receivers I: Projectors and Reversible Transducers. Pacific Salon 6/7
- 8:00 4aMUa **Musical Acoustics:** Physical Models For Sound Synthesis II. Towne
- 10:00 4aMUb **Musical Acoustics:** Analysis of Instrument Sounds. Towne
- 8:00 4aNS **Noise and Physical Acoustics:** Launch Vehicle Noise I. Royal Palm 1/2
- 7:30 4aPA **Physical Acoustics:** Measurements, Applications, and More. Royal Palm 3/4
- 9:00 4aPP **Psychological and Physiological Acoustics:** Perception, Physiology, and Models (Poster Session). California
- 9:00 4aSCa **Speech Communication:** Forensic Acoustics—On the Leading Edge of the Tidal Wave of Change About to Hit Forensic Science in the US? I. Pacific Salon 4/5

- 8:00 4aSCb **Speech Communication:** Acoustics of Speech Production and Acoustic Signal Processing (Poster Session). California
- 8:00 4aUWa **Underwater Acoustics, Signal Processing in Acoustics, and Structural Acoustics and Vibration:** Characterization of Noise Radiation and Quieting Techniques for Unmanned Underwater Vehicles. Pacific Salon 3
- 10:30 4aUWb **Underwater Acoustics:** Autonomous Underwater Vehicle Navigation. Pacific Salon 3
- 8:00 4aUWc **Underwater Acoustics:** Acoustic Propagation Modeling. Pacific Salon 2

THURSDAY AFTERNOON

- 1:00 4pAAa **Architectural Acoustics, Noise, and Committee on Standards:** Networking in Soundscapes—Establishing a Worldwide Collaboration II. Sunset
- 1:25 4pAAb **Architectural Acoustics:** Variable Acoustics—Methods for Effective Collaboration. Sunrise
- 1:30 4pAB **Animal Bioacoustics:** Long-Term Acoustic Monitoring of Animals II. Pacific Salon 1
- 1:30 4pBA **Biomedical Acoustics:** Therapy and Applications. Royal Palm 5/6
- 1:05 4pEA **Engineering Acoustics and Underwater Acoustics:** Vector Sensors, Projectors, and Receivers II: Receivers, Reception, and Transmission. Pacific Salon 6/7
- 1:10 4pNS **Noise and Physical Acoustics:** Launch Vehicle Noise II. Royal Palm 1/2
- 1:55 4pPP **Psychological and Physiological Acoustics:** Perceptual Aspects of Sound. Esquire
- 1:30 4pSCa **Speech Communication:** Forensic Acoustics—On the Leading Edge of the Tidal Wave of Change About to Hit Forensic Science in the US? II. Pacific Salon 4/5
- 1:00 4pSCb **Speech Communication:** Prosody, Articulation, and Articulatory Modeling (Poster Session). California
- 1:00 4pUWa **Underwater Acoustics:** Volume Scattering From Objects, Bubbles, or Internal Waves. Pacific Salon 3
- 1:00 4pUWb **Underwater Acoustics:** Measurement, Characterization, and Mitigation of Underwater Anthropogenic Noise. Pacific Salon 2

FRIDAY MORNING

- 8:15 5aAB **Animal Bioacoustics:** General Topics in Animal Bioacoustics II. Pacific Salon 1

8:00 5aNSa **Noise:** Launch and
Aircraft Noise.
Royal Palm 1/2

9:45 5aNSb **Noise:** General Topics
in Noise.
Royal Palm 1/2

8:00 5aSCa **Speech Communication:** Speech Rhythm
in Production, Perception and Acquisition
II. Pacific Salon 4/5

8:00 5aSCb **Speech Communication:** Speech
Perception by Native and Non-Native
Speakers (Poster Session). California