

**TECHNICAL PROGRAM CALENDAR**  
**164th Meeting of the Acoustical Society of America**  
**Kansas City, Missouri**  
**22–26 October 2012**

**MONDAY MORNING**

- 9:00 1aAA **Architectural Acoustics and Education in Acoustics:** Computer Modeling in Buildings and the Environment as an Education Tool. Colonial
- 8:55 1aAO **Acoustical Oceanography and Underwater Acoustics:** Memorial Session in Honor of Clarence S. Clay I. Mary Lou Williams A/B
- 8:25 1aEA **Engineering Acoustics, Signal Processing in Acoustics, and Animal Bioacoustics:** Broadband, Complex Pulses for Echolocation. Julia Lee A/B
- 10:00 1aMU **Musical Acoustics:** General Topics in Musical Acoustics. Andy Kirk A/B
- 8:55 1aNS **Noise, Architectural Acoustics, and Physical Acoustics:** Sound Absorption of Micro-Perforated Structures. Trianon C/D
- 8:00 1aPA **Physical Acoustics, Architectural Acoustics, and Noise:** Recent Developments in Computational Acoustics for Complex Indoor and Outdoor Spaces. Basie A1
- 9:00 1aSA **Structural Acoustics and Vibration:** Damping Applications and Modeling. Lido

**MONDAY AFTERNOON**

- 1:35 1pAA **Architectural Acoustics:** Performing Arts Center Acoustics—Pre-Tour Talk. Colonial
- 1:30 1pAB **Animal Bioacoustics, Engineering Acoustics, and Signal Processing in Acoustics:** Echolocation, Bio-Sonar, and Propagation. Julia Lee A/B
- 1:00 1pAO **Acoustical Oceanography and Underwater Acoustics:** Memorial Session in Honor of Clarence S. Clay II. Mary Lou Williams A/B
- 2:00 1pID **Interdisciplinary:** Introduction to Technical Committee Research and Activities: Especially for Students and First-Time Meeting Attendees. Bennie Moten A/B
- 1:00 1pMU **Musical Acoustics:** Acoustics of the Pipe Organ. Andy Kirk A/B
- 1:00 1pNS **Noise, Physical Acoustics, Animal Bioacoustics, and ASA Committee on Standards:** Outdoor Sound Propagation. Trianon C/D

- 1:00 1pPA **Physical Acoustics and Biomedical Acoustics:** Memorial Session for Wesley Nyborg. Basie A1
- 2:30 1pUW **Underwater Acoustics:** Reverberation and Scattering. Mary Lou Williams A/B

**MONDAY EVENING**

- 7:00 1eID **Interdisciplinary:** Tutorial Lecture on the Acoustics of Pianos. Colonial

**TUESDAY MORNING**

- 7:55 2aAA **Architectural Acoustics, Psychological and Physiological Acoustics, Engineering Acoustics, and Noise:** Binaural and Spatial Evaluation of Acoustics in Performance Venues. Colonial
- 7:55 2aAB **Animal Bioacoustics and Acoustical Oceanography:** Acoustics as Part of Ocean Observing Systems. Julia Lee A/B
- 8:00 2aBA **Biomedical Acoustics and Physical Acoustics:** Modeling of Nonlinear Medical Ultrasound. Trianon A/B
- 8:15 2aEA **Engineering Acoustics:** Wideband Transducers and their Impact on Total Acoustic System Design. Salon 7 Roosevelt
- 7:55 2aED **Education in Acoustics:** Engaging and Effective Teaching Methods in Acoustics. Andy Kirk A/B
- 7:45 2aNS **Noise and Architectural Acoustics:** Sound Quality, Sound Design, and Soundscape. Trianon C/D
- 7:55 2aPA **Physical Acoustics:** Waves in Heterogeneous Solids I. Basie A1
- 8:30 2aSAa **Structural Acoustics and Vibration:** Session in Honor of Preston W. Smith, Jr. Basie A
- 8:30 2aSAb **Structural Acoustics and Vibration:** Guided Waves for Nondestructive Evaluation and Structural Health Monitoring I. Lido
- 8:00 2aSC **Speech Communication:** Cross-Language Production and Perception of Speech (Poster Session). Truman A/B
- 8:15 2aSP **Signal Processing in Acoustics:** Methods for Underwater Acoustic Parameter Estimation and Tracking at Low Signal-to-Noise Ratios. Bennie Moten A/B
- 8:00 2aUW **Underwater Acoustics and Acoustical Oceanography:** Propagation Topics. Mary Lou Williams A/B

**TUESDAY AFTERNOON**

- 1:00 2pAA **Architectural Acoustics:** Coordination of Architectural and Sound System Design in the Built Environment. Colonial
- 1:00 2pAB **Animal Bioacoustics:** Arctic Bioacoustics. Julia Lee A/B
- 1:00 2pBA **Biomedical Acoustics and Signal Processing in Acoustics:** Biomedical Applications of Acoustic Standing Waves. Trianon A/B
- 1:30 2pEA **Engineering Acoustics:** General Topics. Salon 7 Roosevelt
- 1:00 2pED **Education in Acoustics:** Take 5's. Andy Kirk A/B
- 2:00 2pMU **Musical Acoustics and Education in Acoustics:** Teaching Musical Acoustics to Non-Science Majors. Andy Kirk A/B
- 1:30 2pNS **Noise and Architectural Acoustics:** Soundscape Workshop. Trianon C/D
- 1:00 2pPA **Physical Acoustics:** Waves in Heterogeneous Solids II. Basie A1
- 1:00 2pSA **Structural Acoustics and Vibration:** Guided Waves for Nondestructive Evaluation and Structural Health Monitoring II. Lido
- 1:00 2pSC **Speech Communication:** Speech Perception I: Vowels and Consonants (Poster Session). Truman A/B
- 1:10 2pSPa **Signal Processing in Acoustics:** Cognitive Approaches to Acoustic Signal Processing. Lester Young A
- 3:25 2pSPb **Signal Processing in Acoustics:** Acoustics for Forensics and Identification. Lester Young A
- 1:30 2pUW **Underwater Acoustics:** Parabolic Equation Methods and Comparisons. Mary Lou Williams A/B

**WEDNESDAY MORNING**

- 8:00 3aAA **Architectural Acoustics and Noise:** Advancements and Best Practices in Instrumentation for Architectural Acoustics and Noise. Colonial
- 8:55 3aAB **Animal Bioacoustics:** Vocalization, Hearing, and Response in Non-Human Vertebrates I. Julia Lee A/B
- 11:00 3aAO **Acoustical Oceanography:** Acoustical Oceanography Prize Lecture. Mary Lou Williams A/B
- 7:55 3aBA **Biomedical Acoustics and Signal Processing in Acoustics:** Measurement of Material Properties Using Wave Propagation Methods. Trianon A/B

- 8:00 3aEA **Engineering Acoustics and ASA Committee on Standards:** Sound Intensity Measurements. Bennie Moten A/B
- 10:00 3aEDa **Education in Acoustics:** Hands-On Acoustic Demonstrations for Middle-School Students. Basie A
- 10:00 3aEDb **Education in Acoustics:** Undergraduate Research Exposition (Poster Session). Basie Foyer
- 7:55 3aMU **Musical Acoustics:** Physics of the Blues. Basie A1
- 8:00 3aNS **Noise, Physical Acoustics, and Structural Acoustics and Vibration:** Launch Vehicle Acoustics. Trianon C/D
- 8:00 3aPA **Physical Acoustics:** Thermoacoustics, Physics, and More. Lester Young A
- 8:30 3aPP **Psychological and Physiological Acoustics:** Perception and Models. Salon 7 Roosevelt
- 10:15 3aSA **Structural Acoustics and Vibration:** Structural Acoustics Optimization. Lido
- 8:00 3aSC **Speech Communication:** Speech Production I: Segments and Suprasegmentals (Poster Session). Truman A/B
- 8:10 3aUW **Underwater Acoustics and Signal Processing in Acoustics:** Random Matrix Theory. Mary Lou Williams A/B

**WEDNESDAY AFTERNOON**

- 1:00 3pAB **Animal Bioacoustics:** Vocalization, Hearing, and Response in Non-Human Vertebrates II. Julia Lee A/B
- 1:00 3pBA **Biomedical Acoustics:** Best Student Paper Award Poster Session. Truman A/B
- 1:30 3pED **Education in Acoustics:** Acoustics Education Prize Lecture. Basie A1
- 1:30 3pID **Interdisciplinary:** Hot Topics in Acoustics. Colonial
- 1:00 3pNS **Noise, ASA Committee on Standards, and Psychological and Physiological Acoustics:** Passive and Active Noise Reduction in Hearing Protection. Trianon C/D
- 1:15 3pUW **Underwater Acoustics and Signal Processing in Acoustics:** Advances in Underwater Acoustic Communication. Mary Lou Williams A/B

**WEDNESDAY EVENING**

- 5:30 3eED **Education in Acoustics and Women in Acoustics:** Listen Up and Get Involved. Basie A

**THURSDAY MORNING**

- 8:55 4aAAa **Architectural Acoustics:** The Technical Committee on Architectural Acoustics  
Vern O. Knudsen Distinguished Lecture. Colonial
- 10:30 4aAAb **Architectural Acoustics, Noise, and ASA Committee on Standards:** Acoustics and Health. Colonial
- 8:50 4aABa **Animal Bioacoustics Acoustical Oceanography, Structural Acoustics and Vibration, Underwater Acoustics, and ASA Committee on Standards:** Underwater Noise from Pile Driving I. Julia Lee A/B
- 8:55 4aABb **Animal Bioacoustics:** Terrestrial Passive Acoustic Monitoring I. Lester Young A
- 8:00 4aBA **Biomedical Acoustics and Physical Acoustics:** Cavitation in Biomedical and Physical Acoustics. Trianon B
- 8:20 4aEA **Engineering Acoustics:** Layered Media. Lido
- 8:25 4aMUa **Musical Acoustics and Speech Communication:** The Acoustics of Rhythm. Andy Kirk A/B
- 11:30 4aMUb **Musical Acoustics:** Demonstration Performance on the Mridangam by Rohan Krishnamurthy. Andy Kirk A/B
- 8:20 4aNS **Noise, Architectural Acoustics, and ASA Committee on Standards:** Ongoing Developments in Classroom Acoustics—Theory and Practice in 2012, and Field Reports of Efforts to Implement Good Classroom Acoustics I. Trianon C/D
- 8:00 4aPA **Physical Acoustics and Noise:** Infrasound I. Trianon A
- 8:30 4aPP **Psychological and Physiological Acoustics:** Physiology and Perception (Poster Session). Truman A/B
- 8:00 4aSC **Speech Communication:** The Nature of Lexical Representations in the Perception and Production of Speech. Basie A
- 9:00 4aSP **Signal Processing in Acoustics and Underwater Acoustics:** Localizing, Tracking, and Classifying Acoustic Sources. Mary Lou Williams A/B
- 8:30 4aUW **Underwater Acoustics and Acoustical Oceanography:** Sources, Noise, Transducers, and Calibration. Bennie Moten A/B

**THURSDAY AFTERNOON**

- 1:30 4pAA **Architectural Acoustics, Noise, and Signal Processing in Acoustics:** Alternative Approaches to Room Acoustic Analysis. Basie A1
- 2:00 4pABa **Animal Bioacoustics, Acoustical Oceanography, Structural Acoustics and Vibration, Underwater Acoustics, and ASA Committee on Standards:** Underwater Noise from Pile Driving II. Julia Lee A/B
- 1:00 4pABb **Animal Bioacoustics:** Terrestrial Passive Acoustic Monitoring II. Lester Young A
- 2:00 4pBA **Biomedical Acoustics:** Therapeutic and Diagnostic Ultrasound. Trianon B
- 1:30 4pEA **Engineering Acoustics:** Electromechanical Considerations in Transducer Design. Lido
- 1:55 4pMU **Musical Acoustics and Animal Bioacoustics:** Sound Production in Organs, Wind Instruments, Birds, and Animals – Special Session in Honor of Neville Fletcher. Andy Kirk A/B
- 2:00 4pNS **Noise, Architectural Acoustics, and ASA Committee on Standards:** Ongoing Developments in Classroom Acoustics—Theory and Practice in 2012, and Field Reports of Efforts to Implement Good Classroom Acoustics II. Trianon C/D
- 2:00 4pPA **Physical Acoustics and Noise:** Infrasound II. Trianon A
- 3:30 4pSA **Structural Acoustics and Vibration:** Applications in Structural Acoustics and Vibration. Lido
- 1:00 4pSC **Speech Communication:** Speech Perception II—Intelligibility, Learning, and Audio-Visual Perception (Poster Session). Truman A/B
- 2:00 4pUW **Underwater Acoustics and Signal Processing in Acoustics:** Array Signal Processing and Source Localizations. Mary Lou Williams A/B

**FRIDAY MORNING**

- 8:00 5aAA **Architectural Acoustics and Noise:** Potpourri. Colonial
- 8:00 5aSC **Speech Communication:** Speech Production II: Anatomy, Models, and Methods (Poster Session). Truman A/B
- 8:30 5aUW **Underwater Acoustics and Acoustical Oceanography:** Boundary Interaction and Inversion. Mary Lou Williams A/B