

TECHNICAL PROGRAM CALENDAR

166th Meeting

San Francisco, California

2–6 December 2013

MONDAY MORNING

- 9:00 1aAA **Architectural Acoustics:** General Topics in Architectural Acoustics. Golden Gate 4/5
- 9:55 1aAB **Animal Bioacoustics:** Passive Acoustic Monitoring of Marine Mammals. Union Square 23/24
- 8:25 1aAO **Acoustical Oceanography:** Acoustics for Cabled Ocean Observatories. Continental 2/3
- 7:55 1aBA **Biomedical Acoustics:** Bubble Detection in Diagnostic and Therapeutic Applications I. Golden Gate 2/3
- 8:25 1aNS **Noise and ASA Committee on Standards:** Minimum Sound Requirements for Hybrid and Electric Vehicles to Protect Pedestrians. Continental 9
- 8:55 1aPA **Physical Acoustics, Animal Bioacoustics, and Signal Processing in Acoustics:** Nonlinear Sound and Ultrasound Field Reconstruction and Related Applications I. Continental 7/8
- 9:00 1aUW **Underwater Acoustics and Acoustical Oceanography:** Deep Water Acoustics I. Continental 6

MONDAY AFTERNOON

- 1:00 1pAA **Architectural Acoustics and Signal Processing in Acoustics:** Acoustics in Coupled Volume Systems. Golden Gate 4/5
- 1:00 1pAB **Animal Bioacoustics:** Signal Identification, Processing, and Analysis. Union Square 23/24
- 1:30 1pAO **Acoustical Oceanography:** Contributed Papers in Acoustical Oceanography (Poster Session). Plaza A
- 1:00 1pBA **Biomedical Acoustics:** Bubble Detection in Diagnostic and Therapeutic Applications II. Golden Gate 2/3
- 1:00 1pMU **Musical Acoustics:** General Musical Acoustics. Continental 1
- 1:00 1pPA **Physical Acoustics, Animal Bioacoustics, and Signal Processing in Acoustics:** Nonlinear Sound and Ultrasound Field Reconstruction and Related Applications II. Continental 7/8
- 1:30 1pSPa **Signal Processing in Acoustics:** Acoustical Imaging and Sound Field Reconstruction. Continental 9

- 3:15 1pSPb **Signal Processing in Acoustics:** Filtering, Estimation, and Modeling in Acoustical Signal Processing. Continental 9
- 2:00 1pUW **Underwater Acoustics and Acoustical Oceanography:** Deep Water Acoustics II. Continental 6

MONDAY EVENING

- 7:00 1eID **Interdisciplinary:** Tutorial Lecture on Time Frequency Analysis: Theory and Applications. Continental 7/8

TUESDAY MORNING

- 8:00 2aAA **Architectural Acoustics and Physical Acoustics:** Acoustic Parameters of Materials: Their Definition, Measurement, and Uses in Architectural Acoustics. Golden Gate 4/5
- 7:55 2aAB **Animal Bioacoustics and Acoustical Oceanography:** Broadening Applications of Tags to Study Animal Bioacoustics I. Union Square 23/24
- 7:55 2aBA **Biomedical Acoustics and Signal Processing in Acoustics:** Application of Acoustic Radiation Force in Medical Imaging. Golden Gate 2/3
- 8:30 2aEA **Engineering Acoustics and Structural Acoustics and Vibration:** Composite Plates. Mason
- 8:00 2aED **Education in Acoustics:** Engaging and Effective Teaching Methods in Acoustics. Continental 5
- 8:00 2aID **Interdisciplinary:** Academic Genealogy (Poster Session). Plaza A
- 8:00 2aMU **Musical Acoustics and Education in Acoustics:** Experiments and Laboratory Curricula for Undergraduate Courses in Musical Acoustics. Continental 1
- 8:10 2aNS **Noise and ASA Committee on Standards:** Standardization in Soundscape. Continental 9
- 8:00 2aPAa **Physical Acoustics and Structural Acoustics and Vibration:** Acoustics of Pile Driving: Measurements, Models, and Mitigation I. Continental 7/8
- 8:00 2aPAb **Physical Acoustics and Structural Acoustics and Vibration:** Phononic Crystals and Metamaterials. Continental 2/3

- 9:00 2aSA **Structural Acoustics and Vibration:** Vibration from Aeroacoustic Loads. Powell
- 8:30 2aSC **Speech Communication:** Speech Perception I. Plaza B
- 8:30 2aSP **Signal Processing in Acoustics, Underwater Acoustics, Structural Acoustics and Vibration, and Animal Bioacoustics:** Time Reversal for Localization and Focusing of Sound. Continental 4
- 8:55 2aUW **Underwater Acoustics:** Sound Propagation Through and Scattering by Internal Waves, Spice, and Finestructure in Shallow Water I: Past, Present, and Future. Continental 6

TUESDAY AFTERNOON

- 1:00 2pAA **Architectural Acoustics, Noise, and ASA Committee on Standards:** Innovations and Challenges in Healthcare Acoustics. Golden Gate 4/5
- 1:00 2pABa **Animal Bioacoustics and Acoustical Oceanography:** Broadening Applications of Tags to Study Animal Bioacoustics II. Union Square 23/24
- 3:30 2pABb **Animal Bioacoustics:** Noise Impacts on Marine Life. Union Square 23/24
- 1:15 2pBA **Biomedical Acoustics:** Nanobubbles, Nanoparticles, and Nanodroplets for Biomedical Acoustics Applications. Golden Gate 2/3
- 1:30 2pEA **Engineering Acoustics, Acoustical Oceanography, and Animal Bioacoustics:** Bearing Measurement Methods for Small Wideband Sonars. Mason
- 1:00 2pED **Education in Acoustics:** Take 5's. Continental 5
- 1:00 2pMU **Musical Acoustics and Signal Processing in Acoustics:** Digital Musical Instruments. Continental 1
- 1:00 2pNS **Noise, Physical Acoustics, and Structural Acoustics and Vibration:** Launch Vehicle Acoustics. Continental 9
- 1:30 2pPA **Physical Acoustics and Structural Acoustics and Vibration:** Acoustics of Pile Driving: Measurements, Models, and Mitigation II. Continental 7/8
- 1:00 2pPP **Psychological and Physiological Acoustics:** Building a Stairway to Hearing. Continental 2/3
- 1:00 2pSA **Structural Acoustics and Vibration:** Computational Structural Acoustics. Powell
- 1:30 2pSCa **Speech Communication:** Speech Technology. Plaza B

- 1:00 2pSCb **Speech Communication:** Speech Perception II (Poster Session). Plaza A
- 1:25 2pSP **Signal Processing in Acoustics, Underwater Acoustics, Structural Acoustics and Vibration, and Animal Bioacoustics:** Defense Applications of Acoustical Signal Processing. Continental 4
- 2:00 2pUW **Underwater Acoustics:** Sound Propagation Through and Scattering by Internal Waves, Spice, and Finestructure in Shallow Water II: Past, Present, and Future. Continental 6

WEDNESDAY MORNING

- 8:00 3aAAa **Architectural Acoustics:** Separating Spaces: Adventures in Acoustic Isolation of Acoustically Sensitive Spaces. Golden Gate 4/5
- 10:55 3aAAb **Architectural Acoustics and Noise:** Restaurant Acoustics. Golden Gate 4/5
- 8:00 3aAB **Animal Bioacoustics, Signal Processing in Acoustics, Psychological and Physiological Acoustics, and Speech Communication:** Neural Mechanisms of Complex Sound Discrimination I. Union Square 23/24
- 11:00 3aAO **Acoustical Oceanography:** Munk Award Lecture. Continental 2/3
- 7:55 3aBAa **Biomedical Acoustics:** Recent Advances in Therapeutic Ultrasound I. Golden Gate 2/3
- 10:25 3aBAb **Biomedical Acoustics:** Distinguished Lecture: The Use of Magnetic Resonance-Guided High Intensity Focused Ultrasound to Treat Essential Tremor (ET). Golden Gate 2/3
- 8:30 3aEA **Engineering Acoustics:** Non-Traditional Electro-Acoustic Transducer Design I. Mason
- 10:00 3aEDa **Education in Acoustics:** Undergraduate Research Exposition Poster Session. East Lounge
- 10:00 3aEDb **Education in Acoustics:** Hands-On Acoustics Demonstrations for Middle- and High-School Students. Continental 5
- 8:30 3aNS **Noise, Animal Bioacoustics, and ASA Committee on Standards:** Wind Turbine Noise. Continental 9
- 8:30 3aPAa **Physical Acoustics, Noise, Structural Acoustics and Vibration, and Engineering Acoustics:** Jet and Other Aeroacoustic Noise Source Characterization I. Continental 7/8
- 8:00 3aPAb **Physical Acoustics:** Phonons and Lattice Dynamics. Continental 2/3

- 8:00 3aSAa **Structural Acoustics and Vibration, Noise, and ASA Committee on Standards:** Groundborne/Structureborne Noise and Vibration from Transportation. Powell
- 10:00 3aSAb **Structural Acoustics and Vibration, ASA Committee on Standards, and Engineering Acoustics:** Structural Health Monitoring I. Powell
- 8:30 3aSC **Speech Communication:** Acquiring Speech: Children and Adults. Plaza B
- 8:30 3aSP **Signal Processing in Acoustics:** Acoustical Communications and Sound Source Localization. Continental 1
- 8:30 3aUW **Underwater Acoustics:** Contributed Papers in Underwater Acoustics (Poster Session). Plaza A

WEDNESDAY AFTERNOON

- 1:00 3pAA **Architectural Acoustics:** American Institute of Architects Continuing Education Units Course Presenter Qualification. Golden Gate 4/5
- 1:00 3pAB **Animal Bioacoustics, Signal Processing in Acoustics, Psychological and Physiological Acoustics, and Speech Communication:** Neural Mechanisms of Complex Sound Discrimination II. Union Square 23/24
- 1:00 3pBA **Biomedical Acoustics:** General Topics in Biomedical Acoustics. Golden Gate 2/3
- 1:30 3pEA **Engineering Acoustics:** Non-Traditional Electro-Acoustic Transducer Design II: Contemporary Micro-Mechanical Devices. Mason
- 2:00 3pED **Education in Acoustics:** Acoustics Education Prize Lecture. Continental 1
- 1:15 3pID **Interdisciplinary:** Hot Topics in Acoustics. Continental 6
- 1:25 3pNS **Noise and Architectural Acoustics:** Double Duty: The Added Value of Coupling Acoustics with Other Functionality. Continental 9
- 1:00 3pPAa **Physical Acoustics, Noise, Structural Acoustics and Vibration, and Engineering Acoustics:** Jet and Other Aeroacoustic Noise Source Characterization II. Continental 7/8
- 1:00 3pPAb **Physical Acoustics:** Topics in Geophysical Acoustics. Continental 2/3
- 1:00 3pSA **Structural Acoustics and Vibration, ASA Committee on Standards, and Engineering Acoustics:** Structural Health Monitoring II. Powell

- 1:00 3pSC **Speech Communication:** Communication Disorders. Plaza B
- 1:30 3pSP **Signal Processing in Acoustics:** Smartphone Acoustic Signal Processing Student Competition (Poster Session). East Lounge

WEDNESDAY EVENING

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

THURSDAY MORNING

- 11:00 4aAA **Architectural Acoustics and Noise:** Experience in Forensic Architectural Acoustics. Golden Gate 4/5
- 8:00 4aAB **Animal Bioacoustics and Noise:** Bioacoustic Contributions to Soundscapes I. Union Square 23/24
- 7:55 4aAO **Acoustical Oceanography and Animal Bioacoustics:** Properties, Trends, and Utilization of Ocean Noise I. Continental 5
- 7:55 4aBA **Biomedical Acoustics and Physical Acoustics:** Field Characterization and Dosimetry for Therapeutic Ultrasound Applications I. Golden Gate 2/3
- 8:30 4aEA **Engineering Acoustics:** Energy Harvesting From Acoustic Phenomena. Mason
- 9:30 4aID **Interdisciplinary:** Oral History Bootcamp. Sutter A/B
- 9:00 4aMU **Musical Acoustics and Structural Acoustics and Vibration:** Acoustics of Percussion Instruments I. Continental 1
- 8:00 4aNS **Noise:** Outdoor Sound Propagation and Modeling. Continental 9
- 8:00 4aPA **Physical Acoustics:** Advances in Infrasound Research I. Continental 7/8
- 8:55 4aPP **Psychological and Physiological Acoustics:** The Ear Club: Honoring Ervin R. Hafter and His Contributions to the Study of Binaural Processing and Auditory Cognition I. Continental 2/3
- 10:00 4aSA **Structural Acoustics and Vibration, Architectural Acoustics, and Noise:** Human-Induced Vibration in Buildings. Powell
- 8:30 4aSC **Speech Communication:** Speech Production I. Plaza B
- 9:55 4aSP **Signal Processing in Acoustics:** Alternative Array Spacing and Time Sampling Techniques. Continental 9
- 8:55 4aUW **Underwater Acoustics and Acoustical Oceanography:** The Acoustics of Bubbles and Bubble Clouds in the Ocean. Continental 6

THURSDAY AFTERNOON

- 1:00 4pAA **Architectural Acoustics:** The Enduring Contributions of Two Giants in Building Acoustics: Ronald L. McKay and Warren E. Blazier. Golden Gate 4/5
- 1:30 4pAB **Animal Bioacoustics and Noise:** Bioacoustic Contributions to Soundscapes II. Union Square 23/24
- 1:55 4pAO **Acoustical Oceanography and Animal Bioacoustics:** Properties, Trends, and Utilization of Ocean Noise II. Continental 5
- 1:00 4pBA **Biomedical Acoustics:** Recent Advances in Therapeutic Ultrasound II. Golden Gate 2/3
- 1:30 4pEA **Engineering Acoustics:** Beam Control of Microphone and Transducer Arrays. Mason
- 2:00 4pMUa **Musical Acoustics and Structural Acoustics and Vibration:** Acoustics of Percussion Instruments II. Continental 1
- 5:00 4pMUb **Musical Acoustics:** Percussion Concert. Continental 1
- 1:00 4pNS **Noise and Structural Acoustics and Vibration:** Active Control of Sound and Vibration. Continental 9
- 1:30 4pPA **Physical Acoustics:** Advances in Infrasound Research II. Continental 7/8
- 2:00 4pPP **Psychological and Physiological Acoustics:** The Ear Club: Honoring Ervin R. Hafer and His Contributions to the Study of Binaural Processing and Auditory Cognition II. Continental 2/3
- 1:30 4pSA **Structural Acoustics and Vibration and Architectural Acoustics:** Structural and Acoustic Response Due to Impulsive Excitation. Powell
- 1:30 4pSCa **Speech Communication:** Language Description. Plaza B
- 1:00 4pSCb **Speech Communication:** Speech Production II (Poster Session). Plaza A
- 1:15 4pUW **Underwater Acoustics and Acoustical Oceanography:** Sediment Acoustics: Modeling, Measurements, and Inversions I. Continental 6

FRIDAY MORNING

- 9:00 5aAB **Animal Bioacoustics:** Animal Hearing and Vocalization. Union Square 23/24

- 7:55 5aBAa **Biomedical Acoustics and Physical Acoustics:** Field Characterization and Dosimetry for Therapeutic Ultrasound Applications II. Golden Gate 2/3
- 8:00 5aBAb **Biomedical Acoustics:** High Frequency Ultrasound. Golden Gate 4/5
- 8:30 5aEA **Engineering Acoustics:** General Engineering Acoustics: Mufflers, Waveguides, Materials, and Other Topics. Mason
- 10:00 5aMU **Musical Acoustics and Structural Acoustics and Vibration:** Computational Methods in Musical Acoustics I. Continental 1
- 8:00 5aNS **Noise:** Perception and Measurement of Sound and Sound and Equipment. Continental 9
- 8:00 5aPAa **Physical Acoustics:** Advances in Infrasound Research III. Continental 7/8
- 8:00 5aPAb **Physical Acoustics:** Topics in Physical Acoustics. Continental 2/3
- 8:00 5aPP **Psychological and Physiological Acoustics:** Hello, Hello...is Anyone Listening? (Poster Session). Plaza A
- 8:30 5aSCa **Speech Communication:** Predictive Processing. Plaza B
- 10:15 5aSCb **Speech Communication:** Neurophonetics. Plaza B
- 8:00 5aSCc **Speech Communication:** Speech Analysis (Poster Session). Plaza A
- 7:55 5aUW **Underwater Acoustics and Acoustical Oceanography:** Sediment Acoustics: Modeling, Measurement, and Inversions II. Continental 6

FRIDAY AFTERNOON

- 1:00 5pMU **Musical Acoustics and Structural Acoustics and Vibration:** Computational Methods in Musical Acoustics II. Continental 1
- 1:00 5pSC **Speech Communication:** Crosslinguistic Analysis (Poster Session). Plaza A
- 1:00 5pUW **Underwater Acoustics and Acoustical Oceanography:** Sediment Acoustics: Modeling, Measurement, and Inversions III. Continental 6