

TECHNICAL PROGRAM CALENDER
170th Meeting
Jacksonville, Florida
2–6 November 2015

MONDAY MORNING

- 9:00 1aAB **Animal Bioacoustics and Psychological and Physiological Acoustics:** Comparative Neurophysiology of the Auditory System I: Session in Honor of Albert Feng. City Terrace 9
- 8:30 1aAO **Acoustical Oceanography, Signal Processing in Acoustics, Underwater Acoustics, and Animal Bioacoustics:** Acoustics of High Latitude Oceans I. River Terrace 2
- 8:30 1aNS **Noise:** Environmental and Community Noise. Grand Ballroom 1
- 8:35 1aPA **Physical Acoustics, Structural Acoustics and Vibration, and Engineering Acoustics:** Phononic Metamaterials I. St. Johns
- 8:30 1aSP **Signal Processing in Acoustics, Underwater Acoustics, and Animal Bioacoustics:** Direction of Arrival (DOA) Estimation, Source Localization, Classification, and Tracking Using Small Aperture Arrays I. City Terrace 7

MONDAY AFTERNOON

- 2:00 1pAA **Architectural Acoustics:** Sustainability and Acoustics. Grand Ballroom 3
- 1:30 1pAB **Animal Bioacoustics and Psychological and Physiological Acoustics:** Comparative Neurophysiology of the Auditory System II: Session in Honor of Albert Feng. City Terrace 9
- 1:15 1pAO **Acoustical Oceanography, Signal Processing in Acoustics, Underwater Acoustics, and Animal Bioacoustics:** Acoustics of High Latitude Oceans II. River Terrace 2
- 1:30 1pBA **Biomedical Acoustics:** Medical Ultrasound and Imaging. Clearwater
- 1:00 1pNS **Noise and Animal Bioacoustics:** Soundscape and Its Application. Grand Ballroom 1
- 1:00 1pPA **Physical Acoustics, Structural Acoustics and Vibration, and Engineering Acoustics:** Phononic Metamaterials II. St. Johns
- 1:30 1pSP **Signal Processing in Acoustics, Underwater Acoustics, and Acoustical Oceanography:** Direction of Arrival (DOA) Estimation, Source Localization, Classification, and Tracking Using Small Aperture Arrays II. City Terrace 7

MONDAY EVENING

- 7:00 1eID **Interdisciplinary:** Tutorial Lecture on Sonic Booms: A “Super” Sonic Saga. Grand Ballroom 6

TUESDAY MORNING

- 8:00 2aAA **Architectural Acoustics and Noise:** Acoustics of Multifamily Dwellings. Grand Ballroom 3
- 9:00 2aAB **Animal Bioacoustics:** Bioacoustics Across Disciplines: Detecting and Analyzing Sounds. City Terrace 9
- 8:15 2aAO **Acoustical Oceanography, Signal Processing in Acoustics, and Underwater Acoustics:** Passive-Acoustic Inversion Using Sources of Opportunity I. River Terrace 2
- 8:00 2aBA **Biomedical Acoustics and Physical Acoustics:** Wave Propagation in Complex Media: From Theory to Applications I. Clearwater
- 8:00 2aEAa **Engineering Acoustics:** Vector Sensors: Theory and Applications. Orlando
- 10:15 2aEAb **Engineering Acoustics:** Analysis of Sound Sources. Orlando
- 8:00 2aED **Education in Acoustics and Musical Acoustics:** Effective and Engaging Teaching Methods in Acoustics. Grand Ballroom 6
- 8:30 2aNS **Noise:** Damage Risk Criteria for Noise Exposure I. Grand Ballroom 1
- 8:35 2aSA **Structural Acoustics and Vibration, Engineering Acoustics, and Physical Acoustics:** Flow-Induced Vibration. Daytona
- 8:30 2aSCa **Speech Communication:** Speech Production Potpourri (Poster Session). Grand Ballroom 8
- 10:30 2aSCb **Speech Communication:** Analysis and Processing of Speech Signals (Poster Session). Grand Ballroom 8
- 9:00 2aSP **Signal Processing in Acoustics:** Detection, Feature Recognition, and Communication. City Terrace 7

TUESDAY AFTERNOON

- 1:20 2pAAa **Architectural Acoustics and Musical Acoustics:** Directivities of Musical Instruments and Their Effects in Performance Environments, Room Simulations, Acoustical Measurements, and Audio I. Grand Ballroom 3

- 2:55 2pAAb **Architectural Acoustics and Noise:** Measuring Sound Fields in Healthcare Environments. Grand Ballroom 2
- 1:00 2pABa **Animal Bioacoustics:** Bioacoustics Across Disciplines: Emitting Sound. City Terrace 9
- 3:30 2pABb **Animal Bioacoustics:** Bioacoustics (Poster Session). Grand Ballroom 8
- 1:30 2pAO **Acoustical Oceanography, Signal Processing in Acoustics, and Underwater Acoustics:** Passive-Acoustic Inversion Using Sources of Opportunity II. River Terrace 2
- 1:00 2pBA **Biomedical Acoustics and Physical Acoustics:** Wave Propagation in Complex Media: From Theory to Applications II. St. Johns
- 1:30 2pEA **Engineering Acoustics:** Analysis of Sound Sources, Receivers, and Attenuators. Orlando
- 1:30 2pED **Education in Acoustics:** Take 5's. Daytona
- 3:15 2pID **Interdisciplinary:** Guidance from the Experts: Applying for Grants and Fellowships. Daytona
- 1:00 2pNS **Noise:** Damage Risk Criteria for Noise Exposure II. Grand Ballroom 1
- 1:10 2pPA **Physical Acoustics:** Acoustic Characterization of Critical Phenomena. Clearwater
- 1:00 2pSA **Structural Acoustics and Vibration, Noise, and Architectural Acoustics:** Structural Acoustics and Vibration in Buildings. Grand Ballroom 7
- 1:30 2pSCa **Speech Communication:** Forensic Acoustics, Speaker Identification, and Voice. Grand Ballroom 6
- 3:30 2pSCb **Speech Communication:** Speech Perception Potpourri (Poster Session). Grand Ballroom 8
- 11:15 3aBAb **Biomedical Acoustics:** Therapeutic Ultrasound, Microbubbles, and Bioeffects I. Clearwater
- 8:00 3aEA **Engineering Acoustics:** Test Facilities and Acoustic Calibration. Orlando
- 10:00 3aED **Education in Acoustics:** Undergraduate Research Exposition (Poster Session). Grand Ballroom Foyer
- 8:30 3aNS **Noise, ASA Committee on Standards, and Psychological and Physiological Acoustics:** Role of Fit-Testing Systems for Hearing Protection Devices. Grand Ballroom 1
- 8:00 3aPA **Physical Acoustics:** General Topics In Physical Acoustics I. St. Johns
- 8:00 3aPP **Psychological and Physiological Acoustics:** Psychological and Physiological Acoustics Potpourri (Poster Session). Grand Ballroom 8
- 8:00 3aSA **Structural Acoustics and Vibration, Signal Processing in Acoustics, and Physical Acoustics:** Nonlinear Techniques for Nondestructive Evaluation. Daytona
- 9:00 3aSC **Speech Communication:** Various Topics in Speech Communication. Grand Ballroom 6
- 9:00 3aSP **Signal Processing in Acoustics:** Random Matrix Theory in Acoustics and Signal Processing. City Terrace 7
- 7:45 3aUW **Underwater Acoustics, Acoustical Oceanography, Signal Processing in Acoustics, and Animal Bioacoustics:** 50 Years of Underwater Acoustics under ASA. River Terrace 2

WEDNESDAY AFTERNOON

- 1:00 3pAA **Architectural Acoustics:** AIA CEU Course Presenters Training Session. Grand Ballroom 3
- 1:00 3pBA **Biomedical Acoustics:** Therapeutic Ultrasound, Microbubbles, and Bioeffects II. Clearwater
- 2:10 3pED **Education in Acoustics:** Acoustics Education Prize Lecture. Grand Ballroom 6
- 1:00 3pID **Interdisciplinary:** Hot Topics in Acoustics. Grand Ballroom 2
- 1:45 3pSC **Speech Communication:** Speech Style and Sociophonetics (Poster Session). Grand Ballroom 8

THURSDAY MORNING

- 8:55 4aAA **Architectural Acoustics and Noise:** Acoustic Comfort in Building Indoor Environmental Quality (IEQ) Performance 1. Grand Ballroom 3

WEDNESDAY MORNING

- 8:00 3aAAa **Architectural Acoustics and Musical Acoustics:** Directivities of Musical Instruments and Their Effects in Performance Environments, Room Simulations, Acoustical Measurements, and Audio II. Grand Ballroom 3
- 9:35 3aAAb **Architectural Acoustics:** Worship Space Acoustics: Three Decades of Design. Grand Ballroom 2
- 10:55 3aAO **Acoustical Oceanography:** Munk Award Lecture. River Terrace 2
- 8:00 3aBAa **Biomedical Acoustics:** Sonothrombolysis. Clearwater

8:30	4aAB	Animal Bioacoustics: Avian Bioacoustics. City Terrace 9	1:35	4pPA	Physical Acoustics and Noise: Launch Vehicle Acoustics II: Analysis and Modeling of Noise from Supersonic Jets. St. Johns
8:30	4aBA	Biomedical Acoustics and Physical Acoustics: Numerical and Analytical Modeling of Medical Ultrasound I. Clearwater	1:30	4pPP	Psychological and Physiological Acoustics: Pitch, Loudness, and Other Perceptual Phenomena. Grand Ballroom 7
8:30	4aEA	Engineering Acoustics: Acoustic Material Characterization Methods. Orlando	2:45	4pSA	Structural Acoustics and Vibration: Novel Treatments in Vibration Damping. Daytona
9:00	4aMU	Musical Acoustics: Stick-Slip Processes in Musical Instruments. Grand Ballroom 2	2:00	4pSCa	Speech Communication and Signal Processing in Acoustics: Advancing Methods for Analyzing Dialect Variation. Grand Ballroom 6
8:30	4aNS	Noise, ASA Committee on Standards, and Psychological and Physiological Acoustics: Thoughts on the Next Generation of ANSI Loudness Standards. Grand Ballroom 1	4:05	4pSCb	Speech Communication: Contributions to the Special Sessions (Poster Session). Grand Ballroom 8
8:30	4aPA	Physical Acoustics and Noise: Launch Vehicle Acoustics I: Acoustics of Launch Vehicles and Supersonic Jets. St. Johns	1:30	4pSP	Signal Processing in Acoustics: Algorithm, Analysis, and Beamforming. City Terrace 7
8:50	4aSC	Speech Communication: Development of Speech Production and Perception Across the Lifespan. Grand Ballroom 6	1:00	4pUW	Underwater Acoustics and Signal Processing in Acoustics: Environmental Variability Impact on Shallow Water Acoustics II. River Terrace 2
8:00	4aUW	Underwater Acoustics and Signal Processing in Acoustics: Environmental Variability Impact on Shallow Water Acoustics I. River Terrace 2			

THURSDAY AFTERNOON

1:00	4pAAa	Architectural Acoustics and Noise: Acoustic Comfort in Building Indoor Environmental Quality (IEQ) Performance II. Grand Ballroom 3
3:20	4pAAb	Architectural Acoustics: Architectural Acoustics Potpourri. Grand Ballroom 3
1:00	4pAB	Animal Bioacoustics and Acoustical Oceanography: Bioacoustics Research In Latin America. City Terrace 9
1:30	4pBA	Biomedical Acoustics and Physical Acoustics: Numerical and Analytical Modeling of Medical Ultrasound II. Clearwater
1:00	4pEA	Engineering Acoustics and Structural Acoustics and Vibration: Layered Media. Orlando
1:00	4pMU	Musical Acoustics: Acoustical Evolution of Musical Instruments. Grand Ballroom 2
1:15	4pNS	Noise, Physical Acoustics, and Animal Bioacoustics: Wind Turbine Noise. Grand Ballroom 1

FRIDAY MORNING

8:20	5aAB	Animal Bioacoustics: New Discoveries in Bat Vocal Communication. City Terrace 9
9:00	5aAO	Acoustical Oceanography and Underwater Acoustics: Topics in Acoustical Oceanography. City Terrace 7
8:30	5aMU	Musical Acoustics: General Topics in Musical Acoustics. Grand Ballroom 2
9:00	5aNS	Noise: Noise Potpourri. Grand Ballroom 1
8:00	5aPA	Physical Acoustics: General Topics in Physical Acoustics II. Clearwater
8:30	5aSA	Structural Acoustics and Vibration: General Topics in Structural Acoustics and Vibration. Orlando
8:30	5aSCa	Speech Communication: Intonation, Tone, and Prosody (Poster Session). Grand Ballroom 8
10:30	5aSCb	Speech Communication: Foreign Accent and Multilingual Speech Production and Perception (Poster Session). Grand Ballroom 8
8:00	5aUW	Underwater Acoustics: Communications, Transducers, Target Response, and Nonlinear Acoustics. River Terrace 2