

TECHNICAL PROGRAM CALENDAR
5th Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan
28 November–2 December 2016

MONDAY MORNING

8:00	1aID	Interdisciplinary: Opening Ceremonies, Plenary Lectures. Coral 4/5	1:30	1pBAa	Biomedical Acoustics and Physical Acoustics: Photoacoustics: Light and Sound II. Coral 1
10:30	1aAA	Architectural Acoustics: Acoustics for Children and Pupils I. Lehua	1:00	1pBAb	Biomedical Acoustics and Physical Acoustics: Cavitation in Therapeutic Ultrasound I: General. Kahili
10:30	1aAB	Animal Bioacoustics: Bat Echolocation: New Insights on Biosonar Production, Processing, and Performance from Field and Laboratory Investigations I. South Pacific 4	1:00	1pED	Education in Acoustics: Attractive Educational Methods and Tools in Acoustics II. Coral 3
10:30	1aAO	Acoustical Oceanography: Topics in Acoustical Oceanography I. Kahili	1:30	1pMU	Musical Acoustics: Music and Sound in Multimedia. Hibiscus
10:30	1aBA	Biomedical Acoustics and Physical Acoustics: Photoacoustics: Light and Sound I. Coral 1	1:00	1pNSa	Noise: Sound Design II. South Pacific 3
10:30	1aED	Education in Acoustics: Attractive Educational Methods and Tools in Acoustics I. Sea Pearl	2:15	1pNSb	Noise: Acoustics of Microperforated Materials. South Pacific 3
10:30	1aNS	Noise: Sound Design I. South Pacific 3	1:00	1pPA	Physical Acoustics: Advances in Hazards Monitoring with Distributed Infrasound Sensor Networks. South Pacific 2
10:30	1aPA	Physical Acoustics: Thermoacoustics. South Pacific 2	1:15	1pPP	Psychological and Physiological Acoustics: Spatial Hearing and Its Applications II. Coral 5
10:30	1aPP	Psychological and Physiological Acoustics: Spatial Hearing and Its Applications I. Coral 2	1:00	1pSA	Structural Acoustics and Vibration: General Topics in Structural Acoustics and Vibration II. Sea Pearl
10:30	1aSA	Structural Acoustics and Vibration: General Topics in Structural Acoustics and Vibration I (Poster Session). Coral 3	1:30	1pSC	Speech Communication and Signal Processing in Acoustics: Speech Robotics. Coral 4
10:30	1aSC	Speech Communication: Speech Technology: Synthesis and Interfaces (Poster Session). Coral 3	1:30	1pSPa	Signal Processing in Acoustics: Time Delay Estimation of Acoustic Signals with Applications. South Pacific 1
10:30	1aSP	Signal Processing in Acoustics: General Topics in Signal Processing I. South Pacific 1	3:15	1pSPb	Signal Processing in Acoustics and Speech Communication: Spoken Document Processing. Coral 3
10:30	1aUW	Underwater Acoustics: Target Scattering. Nautilus	1:00	1pUW	Underwater Acoustics and Acoustical Oceanography: Underwater Acoustics Studies in Asian Seas I. Nautilus

MONDAY AFTERNOON

1:00	1pAAa	Architectural Acoustics: Acoustics for Children and Pupils II. Lehua
3:05	1pAAb	Architectural Acoustics: Acoustical Design Metric Comparison Between the US and Japan. Lehua
1:30	1pAB	Animal Bioacoustics: Bat Echolocation: New Insights on Biosonar Production, Processing, and Performance from Field and Laboratory Investigations II. South Pacific 4
1:10	1pAO	Acoustical Oceanography: Twenty-Five Years of Acoustical Oceanography in the ASA I. Coral 2

MONDAY EVENING

7:00	1eMU	Musical Acoustics: Special Presentation of the History, Culture, Practice, and Performance of Hawai'ian Music. Coral 2
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TUESDAY MORNING

8:00	2aABa	Animal Bioacoustics: Tropical Bioacoustics I. Coral 2
8:45	2aABb	Animal Bioacoustics and Signal Processing in Acoustics: Anthropogenic Transient Noise Sound Field and Its Effects on Animal Communication I. Nautilus 1

8:30	2aAO	Acoustical Oceanography: Twenty-Five Years of Acoustical Oceanography in the ASA II. Kahili	3:00	2pABb	Animal Bioacoustics and Signal Processing in Acoustics: Anthropogenic Transient Noise Sound Field and Its Effects on Animal Communication II. Coral 2
7:50	2aBAa	Biomedical Acoustics and Physical Acoustics: Cavitation in Therapeutic Ultrasound II: General. Coral 1	1:00	2pAOa	Acoustical Oceanography, Underwater Acoustics, and Signal Processing in Acoustics: Ocean Acoustic Tomography: Active and Passive, Theory and Experiment I. Coral 4
8:25	2aBAb	Biomedical Acoustics: High-Frame Rate Imaging with Plane Waves and Diverging Waves. Lehua	4:15	2pAOB	Acoustical Oceanography: Acoustical Oceanography Prize Lecture. Coral 4
9:50	2aBAc	Biomedical Acoustics and Physical Acoustics: Cavitation in Therapeutic Ultrasound III: Tissue Fractionation. Coral 1	1:00	2pBAa	Biomedical Acoustics and Signal Processing in Acoustics: Bone Sonometry I: Ultrasonic Studies of the Physical Properties of Cortical and Cancellous Bone. Nautilus
7:45	2aEA	Engineering Acoustics: Transducer Systems. South Pacific 4	1:00	2pBAb	Biomedical Acoustics and Physical Acoustics: Cavitation in Therapeutic Ultrasound IV: Tissue Fractionation. Coral 1
8:00	2aMUa	Musical Acoustics and Signal Processing in Acoustics: Computational Methods of Simulation for Musical Acoustics. Hibiscus	1:00	2pEaA	Engineering Acoustics: Acoustic Transduction Material, Sensors, and Array Technologies. South Pacific 4
10:40	2aMUb	Musical Acoustics and Signal Processing in Acoustics: Music Signal Processing I. Hibiscus	3:15	2pEAb	Engineering Acoustics: Ocean Acoustics Analysis. South Pacific 4
7:45	2aNS	Noise and Architectural Acoustics: Noise Impacts and Soundscapes at Outdoor Gathering Spaces. South Pacific 3	1:15	2pMU	Musical Acoustics and Signal Processing in Acoustics: Music Signal Processing II. Hibiscus
8:15	2aPA	Physical Acoustics and Noise: Acoustics of Supersonic Jets: Launch Vehicle and Military Jet Acoustics I. South Pacific 2	1:00	2pNS	Noise: Community Response to Transportation Noises. Lehua
8:30	2aPP	Psychological and Physiological Acoustics: Linking Human Physiology with Psychoacoustics—From Brainstem to Cortical Measurements and Beyond. Coral 5	1:15	2pPA	Physical Acoustics and Noise: Acoustics of Supersonic Jets: Launch Vehicle and Military Jet Acoustics II. South Pacific 2
8:00	2aSA	Structural Acoustics and Vibration and Physical Acoustics: Acoustic Metamaterials I. Sea Pearl	1:15	2pPP	Psychological and Physiological Acoustics: Binaural Processing and Localization. Coral 5
9:00	2aSC	Speech Communication: Cross-Linguistic Speech Production and Perception. Coral 4	1:00	2pSA	Structural Acoustics and Vibration and Physical Acoustics: Acoustic Metamaterials II. Sea Pearl
7:55	2aSPa	Signal Processing in Acoustics: Compressive Sensing in Acoustics I. South Pacific 1	1:00	2pSC	Speech Communication: Articulatory and Acoustic Phonetics: Data and Methods (Poster Session). Coral 3
8:30	2aSPb	Signal Processing in Acoustics: General Topics in Signal Processing II (Poster Session). Coral 3	1:00	2pSPa	Signal Processing in Acoustics: Compressive Sensing in Acoustics II. South Pacific 1
7:55	2aUW	Underwater Acoustics and Acoustical Oceanography: Underwater Acoustic Studies in Asian Seas II. Nautilus 2	2:35	2pSPb	Signal Processing in Acoustics and Underwater Acoustics: Detection, Tracking, and Classification of Unmanned Aircraft and Underwater Vehicles. South Pacific 1

TUESDAY AFTERNOON

1:00	2pAA	Architectural Acoustics and Speech Communication: At the Intersection of Speech and Architecture I. South Pacific 3	1:00	2pUW	Underwater Acoustics, Acoustical Oceanography and Physical Acoustics: Nonlinear Effects in Underwater Acoustics and Bubbles. Kahili
1:00	2pABa	Animal Bioacoustics: Tropical Bioacoustics II. Coral 2			

WEDNESDAY MORNING

- 8:00 3aAAa **Architectural Acoustics and Speech Communication:** At the Intersection of Speech and Architecture II. Lehua
- 9:20 3aAAb **Architectural Acoustics and Signal Processing in Acoustics:** Advanced Analysis, Simulation, and Auralization in Room Acoustics I. Lehua
- 7:50 3aAB **Animal Bioacoustics:** Session in Honor of Whitlow Au I. Coral 2
- 7:50 3aAO **Acoustical Oceanography, Underwater Acoustics, and Signal Processing in Acoustics:** Ocean Acoustic Tomography: Active and Passive, Theory and Experiment II. Kahili
- 8:00 3aBA **Biomedical Acoustics:** Quantitative Ultrasound I: From Micro to In-vivo. Coral 1
- 8:15 3aEA **Engineering Acoustics:** Acoustic Analysis. South Pacific 4
- 8:35 3aMU **Musical Acoustics:** East and Western Instruments: Contrasts and Connections. Hibiscus
- 8:00 3aNS **Noise, Psychological and Physiological Acoustics, and ASA Committee on Standards:** Current Issues in Hearing Protection and Hearing Conservation I. South Pacific 3
- 8:50 3aPA **Physical Acoustics and Biomedical Acoustics:** Acoustic Micro- and Nanofluidics I. South Pacific 2
- 7:55 3aPPa **Psychological and Physiological Acoustics and Speech Communication:** Perspectives of Research in Overlooked Hearing Problems. Coral 5
- 8:00 3aPPb **Psychological and Physiological Acoustics:** From Cochlea to Cortex (Poster Session). Coral 3
- 8:30 3aSA **Structural Acoustics and Vibration:** Dynamics of Ribbed Structures. Sea Pearl
- 8:00 3aSC **Speech Communication:** Double-Weak Theory of Speech Production and Perception: A Session in Honor of Terrance Nearey. Coral 4
- 8:00 3aSP **Signal Processing in Acoustics:** Signal Processing in Nonlinear Acoustics. South Pacific 1
- 8:15 3aUWa **Underwater Acoustics, Noise and Acoustical Oceanography:** Transmission Through the Air-Water Interface. Nautilus
- 9:00 3aUWb **Underwater Acoustics:** Topics in Underwater Acoustics (Poster Session). Coral 3
- 10:30 3aUWc **Underwater Acoustics:** Inversion, Beam-Forming, and Calibration I. Nautilus

WEDNESDAY AFTERNOON

- 1:00 3pAAa **Architectural Acoustics and Signal Processing in Acoustics:** Advanced Analysis, Simulation, and Auralization in Room Acoustics II. Lehua
- 4:30 3pAAb **Architectural Acoustics and Signal Processing in Acoustics:** Advanced Analysis, Simulation, and Auralization in Room Acoustics III (Poster Session). Coral 3
- 4:10 3pAAc **Architectural Acoustics:** Assorted Topics in Architectural Acoustics (Poster Session). Coral 3
- 1:00 3pABa **Animal Bioacoustics:** Session in Honor of Whitlow Au II. Coral 2
- 2:45 3pABb **Animal Bioacoustics:** On the Bleeding Edge of Animal Bioacoustics Technology. Coral 2
- 1:00 3pAO **Acoustical Oceanography, Underwater Acoustics, and Signal Processing in Acoustics:** Ocean Acoustic Tomography: Active and Passive, Theory and Experiment III. Kahili
- 1:00 3pBAa **Biomedical Acoustics:** Quantitative Ultrasound II: From Micro to In-vivo. Coral 1
- 1:00 3pBAb **Biomedical Acoustics and Signal Processing in Acoustics:** Bone Sonometry II: Ultrasonic Studies of the Physical Properties of Cortical and Cancellous Bone (Poster Session). Coral 3
- 3:15 3pBAc **Biomedical Acoustics and Signal Processing in Acoustics:** Bone Sonometry III: Ultrasonic Studies of the Physical Properties of Cortical and Cancellous Bone. South Pacific 2
- 1:00 3pEA **Engineering Acoustics and Physical Acoustics:** Outdoor Sound Propagation and Outdoor Public Address. South Pacific 4
- 1:30 3pEDa **Education in Acoustics:** Demonstrations and Tools in Acoustics Education. Hibiscus
- 4:00 3pEDb **Education in Acoustics:** Education in Acoustics for Kids (K-12 students). Kahili
- 1:00 3pNSa **Noise, Psychological and Physiological Acoustics, and ASA Committee on Standards:** Current Issues in Hearing Protection and Hearing Conservation II. South Pacific 3
- 2:15 3pNSb **Noise:** Ambient Listening, Communication and Noise Reduction of Special Hearing Protectors. South Pacific 3
- 1:10 3pPAa **Physical Acoustics:** Solid State Acoustics. Coral 4
- 1:20 3pPAb **Physical Acoustics and Biomedical Acoustics:** Acoustic Micro- and Nanofluidics II. South Pacific 2

1:00	3pPP	Psychological and Physiological Acoustics: Recent Progress in Auditory Perceptual Organization Studies. Coral 5	7:55	4aSA	Structural Acoustics and Vibration and Noise: Building Vibration Analysis, Measurement, and Mitigation. Sea Pearl
1:15	3pSA	Structural Acoustics and Vibration, Physical Acoustics, Engineering Acoustics, and Signal Processing in Acoustics: Non-Contact Vibration Excitation and Sensing Techniques. Sea Pearl	9:00	4aSC	Speech Communication and Education in Acoustics: Second Language Speech Learning and Education. Coral 4
1:00	3pSC	Speech Communication: Speech Production and Perception (Poster Session). Coral 3	7:55	4aSPa	Signal Processing in Acoustics: Exploitation of Doppler in Acoustic Signal Processing. South Pacific 1
1:30	3pSP	Signal Processing in Acoustics: Acoustic Communications. South Pacific 1	10:20	4aSPb	Signal Processing in Acoustics: High Resolution Imaging Sonars Including Real Aperture, Synthetic Aperture, and Tomographic Sonars I. South Pacific 1
1:00	3pUWa	Underwater Acoustics: Inversion, Beam-forming, and Calibration II. Nautilus	8:15	4aUW	Underwater Acoustics, Signal Processing in Acoustics, and Acoustical Oceanography: Harbor Acoustics I. Nautilus
3:00	3pUWb	Underwater Acoustics: Seabed and Sea Surface Interactions. Nautilus			

THURSDAY MORNING

8:30	4aAA	Architectural Acoustics: Assorted Topics in Architectural Acoustics I. Lehua
8:30	4aAB	Animal Bioacoustics, Signal Processing in Acoustics, and Speech Communication: Sequence Information in Mammalian Vocal Call Production I. Coral 2
8:15	4aAO	Acoustical Oceanography, Animal Bioacoustics, and Signal Processing in Acoustics: Acoustic Scattering by Aquatic Organisms I. Kahili
7:30	4aBAa	Biomedical Acoustics: Session in Honor of Floyd Dunn. Coral 1
11:15	4aBAb	Biomedical Acoustics: Medical Acoustics in Kidney and Liver Disease I. Coral 1
8:00	4aEA	Engineering Acoustics: Simulation and Analysis. South Pacific 4
8:00	4aID	Interdisciplinary: Workshop for Publishing Excellence in JASA. Coral 5
8:00	4aMUa	Musical Acoustics: Flute Acoustics Including All "Air-Jet" Instruments. Hibiscus
10:30	4aMUb	Musical Acoustics: Piano Acoustics and Playing Piano I. Hibiscus
8:00	4aNS	Noise: Prediction of Transportation Noises and Other Topics I. South Pacific 3
8:15	4aPA	Physical Acoustics: General Topics in Physical Acoustics. South Pacific 2
8:00	4aPPa	Psychological and Physiological Acoustics: Psychological and Physiological Acoustics Potpourri (Poster Session). Coral 3
8:00	4aPPb	Psychological and Physiological Acoustics: Modelling, Measurement, and Technology (Poster Session). Coral 3

THURSDAY AFTERNOON

1:00	4pAAa	Architectural Acoustics: Assorted Topics in Architectural Acoustics II. Lehua
3:45	4pAAb	Architectural Acoustics: It's All About the Details. Lehua
1:00	4pABa	Animal Bioacoustics, Signal Processing in Acoustics, and Speech Communication: Sequence Information in Mammalian Vocal Call Production II. Coral 2
2:55	4pABb	Animal Bioacoustics: Session in Honor of Whitlow Au III. Coral 2
3:00	4pABc	Animal Bioacoustics: Animal Bioacoustics Poster Session. Coral 3
1:00	4pAO	Acoustical Oceanography, Animal Bioacoustics, and Signal Processing in Acoustics: Acoustic Scattering by Aquatic Organisms II. Coral 4
1:00	4pBA	Biomedical Acoustics: Medical Acoustics in Kidney and Liver Disease II. Coral 1
1:00	4pEA	Engineering Acoustics: Sound Field Control Techniques. Kahili
1:00	4pEDa	Education in Acoustics and Signal Processing in Acoustics: Using Computers for Acoustics Education. South Pacific 4
4:05	4pEDb	Education in Acoustics: Acoustics Education Prize Lecture. South Pacific 4
1:00	4pMUa	Musical Acoustics: Piano Acoustics and Playing Piano II. Hibiscus
3:00	4pMUb	Musical Acoustics: Musical Instruments from Islands Around the World I. Hibiscus
4:30	4pMUC	Musical Acoustics: Musical Instruments from Islands around the World II—A Concert. Hibiscus

1:00	4pNSa	Noise: Prediction of Transportation Noises and Other Topics II. South Pacific 3	10:00	5aNSb	Noise, ASA Committee on Standards, and Architectural Acoustics: Innovations in Floor Impact Noise Testing and Evaluation. Sea Pearl
2:30	4pNSb	Noise: Low Frequency Noise: Measurement, Evaluation, Enforcement, and Policy. South Pacific 3	8:30	5aPA	Physical Acoustics: Ultrasonics and Non-Destructive Testing. South Pacific 2
1:00	4pPA	Physical Acoustics: Nonclassical Nonlinear Acoustics of Solids. South Pacific 2	7:55	5aPP	Psychological and Physiological Acoustics: Pitch and Timbre. Coral 5
1:00	4pPP	Psychological and Physiological Acoustics and Speech Communication: Gap Detection: New Perspectives from Neuroscience, Perception and Modelling. Coral 5	8:00	5aSC	Speech Communication: Voice, Tone, Prosody, and Affective and Emotional Qualities of Speech (Poster Session). Coral 3
1:00	4pSA	Structural Acoustics and Vibration, Physical Acoustics, and Noise: Fluid Flow Induced Vibration and Noise. Sea Pearl	7:55	5aSP	Signal Processing in Acoustics: General Topics in Signal Processing II. South Pacific 1
1:00	4pSC	Speech Communication: Non-Native Speech Production and Perception, Learning, and Adaptation (Poster Session). Coral 3	8:00	5aUWa	Underwater Acoustics: Underwater Acoustic Propagation. Nautilus
1:30	4pSPa	Signal Processing in Acoustics: High Resolution Imaging Sonars Including Real Aperture, Synthetic Aperture, and Tomographic Sonars II. South Pacific 1	10:00	5aUWb	Underwater Acoustics: Ocean Ambient Noise: Sources, Variation, and Characterization II. Lehua
3:35	4pSPb	Signal Processing in Acoustics: High Resolution Imaging Sonars Including Real Aperture, Synthetic Aperture, and Tomographic Sonars III. South Pacific 1	FRIDAY AFTERNOON		
1:00	4pUWa	Underwater Acoustics, Signal Processing in Acoustics, and Acoustical Oceanography: Harbor Acoustics II. Nautilus	1:00	5pABa	Animal Bioacoustics: Behavioral Response Studies. Coral 2
4:40	4pUWb	Underwater Acoustics: Ocean Ambient Noise: Sources, Variation, and Characterization I. Nautilus	1:00	5pABb	Animal Bioacoustics: The Diversity of Bioacoustic Signals. Nautilus
FRIDAY MORNING			1:00	5pBA	Biomedical Acoustics, Engineering Acoustics, and Signal Processing in Acoustics: Acoustic Imaging. Coral 1
8:00	5aAB	Animal Bioacoustics: Marine Acoustic Ecology. Coral 2	1:15	5pEA	Engineering Acoustics: Applied Acoustics II. South Pacific 4
8:30	5aAO	Acoustical Oceanography: Topics in Acoustical Oceanography II. Kahili	1:00	5pID	Interdisciplinary: Topical Meeting on Data Science and Acoustics II. Coral 4
8:00	5aBAa	Biomedical Acoustics: Acoustics for Older Persons with Disabilities. Coral 1	1:00	5pMU	Musical Acoustics: General Topics in Musical Acoustics II (Poster Session). Coral 3
8:00	5aBAb	Biomedical Acoustics: Biomedical Acoustics Poster Session. Coral 3	1:00	5pNSa	Noise: Design of Noise Control Materials. South Pacific 3
7:45	5aEA	Engineering Acoustics: Applied Acoustics I. South Pacific 4	3:40	5pNSb	Noise: Emerging Issues on Quiet Vehicles—A Matter of Soundscape. South Pacific 3
8:35	5aID	Interdisciplinary: Topical Meeting on Data Science and Acoustics I. Coral 4	1:30	5pPA	Physical Acoustics: Radiation Force and Nonlinear Acoustics. South Pacific 2
8:30	5aMU	Musical Acoustics: General Topics in Musical Acoustics I. Hibiscus	1:00	5pSCa	Speech Communication: Speech Processing. Coral 5
8:00	5aNSa	Noise: Wind Turbine Noise. South Pacific 3	1:00	5pSCb	Speech Communication: Speech Perception and Production by Clinical, Aging, and/or Developing Populations (Poster Session). Coral 3
			1:00	5pSP	Signal Processing in Acoustics: General Topics in Signal Processing III. South Pacific 1