

TECHNICAL PROGRAM CALENDAR

186th Meeting of the Acoustical Society of America/Acoustics Week in Canada

13-17 May 2024

MONDAY MORNING

8:05	1aAA	Architectural Acoustics, Noise, and Structural Acoustics and Vibration: Sound Transmission and Impact Noise in Buildings I. 207
8:00	1aBAa	Biomedical Acoustics and Physical Acoustics: Sonobiopsy for Noninvasive Molecular Diagnosis. 210
8:55	1aBAB	Biomedical Acoustics, Physical Acoustics, Engineering Acoustics, and Signal Processing in Acoustics: Ultrasound Brain and Super-Resolution Imaging I. 212
9:30	1aCA	Computational Acoustics, Biomedical Acoustics, Structural Acoustics and Vibration, Engineering Acoustics, and Physical Acoustics: Computational Methods for Acoustic Absorption in Materials. 211
8:00	1aID	Interdisciplinary and Student Council: Introduction to Technical Committees. 201
8:00	1aPA	Physical Acoustics, Computational Acoustics, Engineering Acoustics, and Structural Acoustics and Vibration: Developments and Applications in Phononic Crystals. 202
8:00	1aPP	Psychological and Physiological Acoustics: Psychological and Physiological Acoustics Poster Session. 214
10:00	1aSA	Structural Acoustics and Vibration, Engineering Acoustics, and Physical Acoustics: Eric Ungar's Contributions to Structural Acoustics Research and Applications. 203
9:00	1aSP	Signal Processing in Acoustics: Signal Processing in Acoustics Poster Potpourri. 214
8:00	1aUW	Underwater Acoustics, Acoustical Oceanography, Computational Acoustics, and Signal Processing in Acoustics: Data Science in Ocean Acoustics I. 215

MONDAY AFTERNOON

1:00	1pAA	Architectural Acoustics, Noise, and Structural Acoustics and Vibration: Sound Transmission and Impact Noise in Buildings II. 207
1:00	1pBAa	Biomedical Acoustics: General Topics in Biomedical Acoustics: Imaging. 210
1:00	1pBAB	Biomedical Acoustics, Physical Acoustics, Engineering Acoustics, and Signal Processing in Acoustics: Ultrasound Brain and Super-Resolution Imaging II. 212
1:00	1pCA	Computational Acoustics, Physical Acoustics, and Underwater Acoustics: Diffusion Equation and Energy Flux Methods Across Acoustics. 211
1:00	1pEA	Engineering Acoustics, Physical Acoustics, and Structural Acoustics and Vibration: Applications of Acoustic Metamaterials. 204
1:30	1pMU	Musical Acoustics: General Topics in Musical Acoustics I. 209
1:00	1pNSa	Noise: Jet & Rocket Noise. 205
1:00	1pNSb	Noise, Psychological and Physiological Acoustics, and ASA Committee on Standards: Evaluation of Hearing Protection Devices with Impulse Noise and Acoustic Test Fixtures. 201
1:00	1pPAa	Physical Acoustics, Structural Acoustics and Vibration, Engineering Acoustics, and Signal Processing in Acoustics: Cyber Threats and Acoustical Systems. 202
1:00	1pPAb	Physical Acoustics: Infrasound. 206
1:00	1pPPP	Psychological and Physiological Acoustics: Toward More Inclusive Research Practices in P&P I. 208
1:00	1pSC	Speech Communication: Speech Perception Poster Session I. 214
1:00	1pSA	Structural Acoustics and Vibration, Education in Acoustics, and Physical Acoustics: Mistakes and Lessons Learned in Structural Acoustics and Vibrations. 203

1:00	1pSP	Signal Processing in Acoustics: Signal Processing in Acoustics Potpourri I. 213
1:00	1pUW	Underwater Acoustics, Acoustical Oceanography, Computational Acoustics, and Signal Processing in Acoustics: Data Science in Ocean Acoustics II. 215

TUESDAY MORNING

7:55	2aAAa	Architectural Acoustics and ASA Committee on Standards: Show Your Data: Architectural Acoustics Metrics I. 207
8:00	2aAAb	Architectural Acoustics: Student Design Competition (Poster Session). 214
8:00	2aAB	Animal Bioacoustics, Computational Acoustics, Signal Processing in Acoustics, Underwater Acoustics, and Acoustical Oceanography: Data to Information, Navigating the Application of Acoustic Data for Conservation I. 204
8:30	2aAO	Acoustical Oceanography: Topics in Acoustical Oceanography I. 215
7:55	2aBAa	Biomedical Acoustics, Physical Acoustics, Engineering Acoustics, and Signal Processing in Acoustics: Ultrasound Beamforming and its Applications I. 212
8:00	2aBAb	Biomedical Acoustics, Education in Acoustics, and Physical Acoustics: Return of the Writer. 210
8:00	2aCA	Computational Acoustics: Computational Acoustics Methods Evaluation. 211
10:15	2aEA	Engineering Acoustics: Multidomain Modeling of Acoustical Systems. 211
8:40	2aMU	Musical Acoustics: Winds Instruments I. 209
8:00	2aNSa	Noise, Computational Acoustics, Psychological and Physiological Acoustics, Structural Acoustics and Vibration, and Engineering Acoustics: Advanced Air Mobility Noise: Noise from New Air Transportation in Urban and Underserved Communities I. 205
8:30	2aNSb	Noise: Soundscape - Focus on Applications I. 201
8:00	2aPA	Physical Acoustics: Wind Noise. 202
9:30	2aPP	Psychological and Physiological Acoustics: Toward More Inclusive Research Practices in P&P II. 208
9:00	2aSA	Structural Acoustics and Vibration: Acoustic Metamaterials I. 206
8:00	2aSC	Speech Communication: VowelFest: Honoring the Past and Celebrating the Present I. 203
8:00	2aSP	Signal Processing in Acoustics: Data Augmentation in Signal Processing: Advancing Performance through Artificial Data Generation. 213

TUESDAY AFTERNOON

1:00	2pAAa	Architectural Acoustics: Show Your Data: Architectural Acoustics Metrics II. 207
3:20	2pAAb	Architectural Acoustics: Building Envelope Sound Isolation I. 201
2:45	2pAB	Animal Bioacoustics: Data to Information, Navigating the Application of Acoustic Data for Conservation II. 203
1:00	2pAO	Acoustical Oceanography: Acoustical Oceanography Prize Lecture. 215
1:00	2pBAa	Biomedical Acoustics: General Topics in Biomedical Acoustics: Microbubbles. 210
1:00	2pBAb	Biomedical Acoustics: Ultrasound Beamforming and its Applications II. 212
1:00	2pCA	Computational Acoustics: Application of Model Reduction Across Acoustics. 211
1:00	2pEA	Engineering Acoustics: Things That Go Boom: High Amplitude Acoustic Sources. 204
1:00	2pED	Education in Acoustics: Acoustics Education: A Potpourri of Classical and Unusual Materials and Demonstrations. 213

1:00 2pMUa **Musical Acoustics:** Winds Instruments II. 209
 4:30 2pMUB **Musical Acoustics:** Native American Flute Concert. 209
 1:00 2pNSa **Noise:** Advanced Air Mobility Noise: Noise from New Air Transportation in Urban and Underserved Communities II. 205
 1:00 2pNSb **Noise and Architectural Acoustics:** Soundscape - Focus on Applications II. 201
 3:05 2pNSc **Noise:** Honoring the Life and Legacy of Tony F. W. Embleton. 205
 1:00 2pPA **Physical Acoustics, Structural Acoustics and Vibration, and Engineering Acoustics:** Resonant Ultrasound Spectroscopy For Characterizing Material Property and Structure. 202
 1:00 2pPP **Psychological and Physiological Acoustics:** The Importance of Binaural Listening: Speech Intelligibility, Localization, and Virtual Environments. 208
 1:00 2pSA **Structural Acoustics and Vibration, Engineering Acoustics, and Physical Acoustics:** Acoustic Metamaterials II. 206
 1:00 2pSCa **Speech Communication:** VowelFest: Honoring the Past and Celebrating the Present II. 203
 2:30 2pSCb **Speech Communication:** VowelFest III (Poster Session). 214
 3:50 2pSP **Signal Processing in Acoustics, Biomedical Acoustics, Underwater Acoustics, and Physical Acoustics:** Denoising and Enhancing Acoustic Signals. 208
 2:15 2pUW **Underwater Acoustics:** Geoacoustics of Marine Sediments. 215

WEDNESDAY MORNING

8:00 3aAAa **Architectural Acoustics:** Memoriam for Jerry Christoff. 201
 8:00 3aAAb **Architectural Acoustics:** Soundscape Simulation: Opportunities and Challenges I. 207
 9:55 3aAAc **Architectural Acoustics:** AIA CEU Presenters Course Training Session. 201
 8:00 3aAB **Animal Bioacoustics:** Acoustic Ecology, Biological Soundscapes, and Animal Vocal Communication and Physiology I. 204
 7:55 3aAOa **Acoustical Oceanography:** Topics in Acoustical Oceanography II. 215
 10:45 3aAOB **Acoustical Oceanography, Underwater Acoustics, and Animal Bioacoustics:** Sound at Temperate and Tropical Coral Reefs. 215
 7:55 3aBAa **Biomedical Acoustics, Physical Acoustics, and Structural Acoustics and Vibration:** SonoDynamic Therapy. A New Hope. 212
 10:00 3aBAb **Biomedical Acoustics:** Biomedical Acoustics Best Student Paper Award Poster Session. 214
 8:30 3aCA **Computational Acoustics:** The Phononic Dispersion Relations: Calculation, Interpretation, and Applications in Phononics and Metamaterials. 102
 8:30 3aED **Education in Acoustics and Musical Acoustics:** Artistic and Technical Approaches to Acoustics. 211
 8:30 3aMU **Musical Acoustics:** Applications of Physical Modeling of Musical Instruments. 209
 8:00 3aNSa **Noise:** Assorted Topics on Noise I. 205
 8:00 3aPAa **Physical Acoustics, Underwater Acoustics, and Acoustical Oceanography:** Meteorological Acoustics. 210
 9:45 3aPAb **Physical Acoustics, Engineering Acoustics, Signal Processing in Acoustics, and Structural Acoustics and Vibration:** Characterization of Electronic Materials, Components, Devices, and Batteries. 202
 8:00 3aPP **Psychological and Physiological Acoustics:** Temporal Processing, Aging, and Hearing Loss: Research Inspired by Christian Fullgrabe. 206/208
 10:15 3aSA **Structural Acoustics and Vibration, Education in Acoustics, and Physical Acoustics:** My Favorite Homework Problems in Structural Acoustics in Vibrations. 212
 8:00 3aSC **Speech Communication, Architectural Acoustics, Education in Acoustics, and Psychological and**

Physiological Acoustics: Classroom Acoustics and Speech Communication. 203
 8:00 3aSP **Signal Processing in Acoustics, Acoustical Oceanography, Underwater Acoustics, Computational Acoustics, and Physical Acoustics:** Bayesian and Machine Learning in Acoustics I. 213

WEDNESDAY AFTERNOON

1:00 3pAA **Architectural Acoustics:** Soundscape Simulation: Opportunities and Challenges II. 201
 12:55 3pAO **Acoustical Oceanography:** Munk Award Lecture. 215
 1:00 3pED **Education in Acoustics:** Acoustics Education Prize Lecture. 212
 2:15 3pID **Interdisciplinary:** Keynote Lecture. 206/208
 1:00 3pNS **Noise:** Assorted Topics on Noise II. 205
 1:00 3pPP **Psychological and Physiological Acoustics:** Auditory Neuroscience Prize Lecture. 207

THURSDAY MORNING

8:00 4aAA **Architectural Acoustics:** Acoustics in Mass Timber. 207
 8:30 4aAB **Animal Bioacoustics:** Acoustic Ecology, Biological Soundscapes, and Animal Vocal Communication and Physiology II. 204
 7:55 4aBAa **Biomedical Acoustics, Structural Acoustics and Vibration, Physical Acoustics, Acoustical Oceanography, Computational Acoustics, and Engineering Acoustics:** Wave Propagation in Complex Media: From Theory to Applications I. 212
 9:00 4aBAb **Biomedical Acoustics and Physical Acoustics:** Droplets Strike Back I. 210
 9:00 4aCA **Computational Acoustics, Structural Acoustics and Vibration, and Engineering Acoustics:** Validation and Verification. 211
 10:00 4aID **Interdisciplinary, Student Council, Education in Acoustics, and Physical Acoustics:** Graduate Studies in Acoustics Poster Session. 214
 9:00 4aMU **Musical Acoustics:** General Topics in Musical Acoustics II. 209
 8:30 4aNS **Noise, Physical Acoustics, and Engineering Acoustics:** Methods for Community Noise Testing and Analysis I. 205
 8:00 4aPA **Physical Acoustics and Signal Processing in Acoustics:** Acousto-Optic Sensing. 206
 8:00 4aPP **Psychological and Physiological Acoustics and Speech Communication:** Interactions Between Voice and Speech Perception. 208
 9:00 4aSA **Structural Acoustics and Vibration, Biomedical Acoustics, Engineering Acoustics, Physical Acoustics, and Musical Acoustics:** Additive Manufacturing and Acoustics. 201
 8:00 4aSCa **Speech Communication:** Language and Sports. 203
 10:00 4aSCb **Speech Communication:** Speech Perception Poster Session II. 214
 8:00 4aSP **Signal Processing in Acoustics, Acoustical Oceanography, Underwater Acoustics, Computational Acoustics, and Physical Acoustics:** Bayesian and Machine Learning in Acoustics II. 213
 8:00 4aUW **Underwater Acoustics and Acoustical Oceanography:** Scintillation in Acoustic Propagation. 215

THURSDAY AFTERNOON

1:00 4pAAa **Architectural Acoustics, Noise, Structural Acoustics and Vibration, Signal Processing in Acoustics, and Computational Acoustics:** Artificial Intelligence and Machine Learning for Built Environments. 207
 3:25 4pAAb **Architectural Acoustics and Structural Acoustics and Vibration:** Building Envelope Sound Isolation II. 201
 1:00 4pBAa **Biomedical Acoustics and Physical Acoustics:** Droplets Strike Back II. 210
 1:00 4pBAb **Biomedical Acoustics, Structural Acoustics and Vibration, Physical Acoustics, Acoustical**

		Oceanography, Computational Acoustics, and Engineering Acoustics: Wave Propagation in Complex Media: From Theory to Applications II. 212	1:00	4pUW	Underwater Acoustics: Underwater Acoustic Modeling. 215
1:00	4pEA	Engineering Acoustics: General Topics in Engineering Acoustics. 204			
1:00	4pED	Education in Acoustics, Biomedical Acoustics, Structural Acoustics and Vibration, Physical Acoustics, and Musical Acoustics: Teaching Acoustics With (or Without) Math. 202			
1:00	4pID	Interdisciplinary and Student Council: Hot Topics in Acoustics. 203			
1:00	4pNS	Noise, Physical Acoustics, and Engineering Acoustics: Methods for Community Noise Testing and Analysis II. 205			
1:00	4pPA	Physical Acoustics, Engineering Acoustics, and Structural Acoustics and Vibration: Novel Methods and Applications in Nondestructive Evaluation. 206			
1:00	4pPP	Psychological and Physiological Acoustics: Psychological and Physiological Acoustics Best Student Poster Award Session. 214			
1:00	4pSA	Structural Acoustics and Vibration, Education in Acoustics, and Physical Acoustics: Structural Acoustics and Vibrations Tutorial. 201			
1:15	4pSC	Speech Communication: Speech Production Poster Session. 215			
1:00	4pSP	Signal Processing in Acoustics: Signal Processing in Acoustics Potpourri II. 213			
					FRIDAY MORNING
			8:00	5aAA	Architectural Acoustics and Structural Acoustics and Vibration: Absorptive and Diffusive Metasurfaces for Architectural Acoustic Application. 207
			8:00	5aBAa	Biomedical Acoustics: General Topics in Biomedical Acoustics: Methods. 210
			8:00	5aBAb	Biomedical Acoustics: General Topics in Biomedical Acoustics: Drug Delivery and Therapy. 212
			8:00	5aNS	Noise, Structural Acoustics and Vibration, and Engineering Acoustics: Pickleball Noise. 205
			8:00	5aPA	Physical Acoustics, Biomedical Acoustics, and Structural Acoustics and Vibration: Nonlinear Acoustics in Solids. 206
			8:00	5aSA	Structural Acoustics and Vibration: General Topics in Structural Acoustics. 201
			8:00	5aSC	Speech Communication: Speech Production and Speech Tech Poster Session. 214
			8:00	5aUW	Underwater Acoustics: Underwater Sonar and Communication. 215
					FRIDAY AFTERNOON
			1:00	5pPA	Physical Acoustics: General Topics in Physical Acoustics. 210
			1:00	5pUW	Underwater Acoustics: Underwater Sources and Receivers. 215