

TECHNICAL PROGRAM CALENDAR
181st Meeting of the Acoustical Society of America
29 November–3 December 2021

Please refer to the Itinerary Planner and Mobile App for Updated Information

Monday Morning

			1:00	1pBAb	Biomedical Acoustics: General Topics in Biomedical Acoustics II. Room 405 (L)/406 (O)
9:10	1aAA	Architectural Acoustics and Noise: Back to Basics: Skill-Building Seminar I. Elwha A			
8:20	1aAO	Acoustical Oceanography and Underwater Acoustics: Upper Ocean and Mixed Layer Acoustics. Elwha B	1:00	1pED	Education in Acoustics: General Topics in Education in Acoustics. Room 302 (L)/303 (O)
8:00	1aBAa	Biomedical Acoustics, Engineering Acoustics, and Physical Acoustics: Cavitation Nuclei: Bubbles, Droplets, and More I. Room 401 (L)/404 (O)	1:20	1pNS	Noise, Architectural Acoustics, ASA Committee on Standards, and Structural Acoustics and Vibration: Noise Issues in Modern Construction. Room 502 (L)/503 (O)
8:30	1aBAb	Biomedical Acoustics: General Topics in Biomedical Acoustics I. Room 405(L) / 406 (O)	1:20	1pPA	Physical Acoustics, Biomedical Acoustics, Engineering Acoustics, and Structural Acoustics and Vibration: Acoustofluidics II. Room 402 (L)/403 (O)
9:00	1aED	Education in Acoustics: Returning to Teaching Acoustics In-Person in the Post-COVID Era. Room 302 (L)/ 303 (O)	1:30	1pPP	Psychological and Physiological Acoustics, Education in Acoustics, Speech Communication, and Biomedical Acoustics: Acoustics Outreach to Student Scientists in Clinical and Physiological Research. Quinault
7:55	1aPA	Physical Acoustics, Biomedical Acoustics, Engineering Acoustics, and Structural Acoustics and Vibration: Acoustofluidics I. Room 402 (L)/403 (O)	1:15	1pSA	Structural Acoustics and Vibration, Engineering Acoustics, Physical Acoustics, Computational Acoustics, and Signal Processing in Acoustics: Novel Techniques for Nondestructive Evaluation in Structural Acoustics and Vibration II. Room 501 (L)/504 (O)
8:00	1aSA	Structural Acoustics and Vibration, Engineering Acoustics, Physical Acoustics, Computational Acoustics, and Signal Processing in Acoustics: Novel Techniques for Nondestructive Evaluation in Structural Acoustics and Vibration I. Room 501 (L)/504 (O)	1:00	1pSC	Speech Communication: Speech Acoustics and Production (Poster Session). Columbia A
9:00	1aSC	Speech Communication: Second-Language Speakers and Listeners (Poster Session). Columbia A	4:00	1pID	Interdisciplinary: Keynote Lecture: An Unexpected Journey Through Sound. Columbia C

Monday Afternoon

1:10	1pAA	Architectural Acoustics and Noise: Back to Basics: Skill Building Seminar II. Elwha A
1:00	1pABa	Animal Bioacoustics: Population Monitoring. Room 602 (L)/603 (O)
2:20	1pABb	Animal Bioacoustics: Analysis and Classification of Animal Bioacoustics Signals. Room 602 (L)/603 (O)
1:00	1pAO	Acoustical Oceanography and Signal Processing in Acoustics: Acoustical Oceanography Using Ocean Observatory Systems I. Elwha B
1:00	1pBAa	Biomedical Acoustics, Engineering Acoustics, and Physical Acoustics: Cavitation Nuclei: Bubbles, Droplets, and More II. Room 401 (L)/404 (O)

Monday Evening

7:00	1eID	Interdisciplinary: Tutorial Lecture on Software Best Practices. Columbia D
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Tuesday Morning

8:00	2aAAa	Architectural Acoustics, ASA Committee on Standards, and Signal Processing in Acoustics: Recording and Production Spaces. Elwha A
8:00	2aAAb	Architectural Acoustics: Student Design Competition. Columbia A
8:00	2aAB	Animal Bioacoustics and ASA Committee on Standards: Classifying and Quantifying Natural Soundscapes I. Room 602 (L)/603 (O)

8:20	2aAO	Acoustical Oceanography and Signal Processing in Acoustics: Acoustical Oceanography Using Ocean Observatory Systems II. Elwha B			and Architectural Acoustics: Signal Processing for Non-Specialists. Room 501 (L)/504 (O)
8:00	2aBAa	Biomedical Acoustics, Signal Processing in Acoustics, Engineering Acoustics and Physical Acoustics: Nonlinear Acoustic Propagation: Theory, Simulations, Experiment, and Applications I. Room 401 (L)/404 (O)	9:00	2aUW	Underwater Acoustics, Acoustical Oceanography, Signal Processing in Acoustics, Animal Bioacoustics, and Signal Processing in Acoustics: Acoustics of Underwater Explosions. Room 502 (L)/503 (O)
9:00	2aBAb	Biomedical Acoustics: General Topics in Biomedical Acoustics III. Room 405 (L)/406 (O)	Tuesday Afternoon		
8:00	2aCA	Computational Acoustics and Signal Processing in Acoustics: Validation and Verification (V&V) for Acoustics and Vibrations Simulations. Room 402 (L)/403 (O)	1:00	2pAA	Architectural Acoustics, ASA Committee on Standards, Engineering Acoustics, and Signal Processing in Acoustics: Current State-of-the-Art and Future Paradigms in Acoustic Measurement and Testing. Elwha A
10:20	2aEA	Engineering Acoustics: General Topics in Engineering Acoustics. Room 306 (L)/307 (O)	1:00	2pAB	Animal Bioacoustics: Classifying and Quantifying Natural Soundscapes II. Room 602 (L)/603 (O)
9:00	2aMUa	Musical Acoustics and Physical Acoustics: Nonlinearities in Musical Acoustics. Quinault	1:00	2pAO	Acoustical Oceanography and Signal Processing in Acoustics: Acoustical Oceanography Using Ocean Observatory Systems III. Elwha B
10:45	2aMUb	Musical Acoustics: Acoustics of Brass Instruments. Quinault	1:00	2pBAa	Biomedical Acoustics, Signal Processing in Acoustics, and Engineering Acoustics: Nonlinear Acoustic Propagation: Theory, Simulations, Experiment, and Applications II. Room 401 (L)/404 (O)
8:00	2aNsa	Noise and ASA Committee on Standards: General Topics on Noise and Standards. Room 301 (L)/304 (O)	2:55	2pBAb	Biomedical Acoustics, Engineering Acoustics, and Physical Acoustics: Cavitation Nuclei: Bubbles, Droplets, and More III. Room 401 (L)/404 (O)
9:45	2aNsb	Noise, Architectural Acoustics, Structural Acoustics and Vibration and Engineering Acoustics: Building Systems Noise and Vibration Control: Beyond ASHRAE Chapter 49 I. Room 301 (L)/304 (O)	4:35	2pBAc	Biomedical Acoustics and Signal Processing in Acoustics: Ultrasound for Brain Stimulation. Room 401 (L)/404 (O)
8:00	2aPA	Physical Acoustics, Engineering Acoustics, Noise, Structural Acoustics and Vibration, and ASA Committee on Standards: Wind Noise. Room 407 (L)/408 (O)	1:20	2pCA	Computational Acoustics, Physical Acoustics, Musical Acoustics, and Noise: Computational Aeroacoustics. Room 306 (L)/307 (O)
8:00	2aPP	Psychological and Physiological Acoustics and Animal Bioacoustics: Auditory Perception of Stationary and Moving Sounds I. Columbia C	3:00	2pID	Interdisciplinary and Student Council: Introduction to Technical Committees. Quinault
8:00	2aSA	Structural Acoustics and Vibration, Engineering Acoustics, and Physical Acoustics: Acoustic Metamaterials I. Room 302 (L)/303 (O)	1:00	2pNS	Noise, Architectural Acoustics, Structural Acoustics and Vibration and Engineering Acoustics: Building Systems Noise and Vibration Control: Beyond ASHRAE Chapter 49 II. Room 301 (L)/304 (O)
9:00	2aSC	Speech Communication and Psychological and Physiological Acoustics: Development of Sensory-Motor Connections for Speech. Columbia D	2:30	2pPA	Physical Acoustics, Structural Acoustics and Vibration, and Signal Processing in Acoustics: The Impact of Logan Hargrove on Physical Acoustics and Beyond. Room 402 (L)/403 (O)
9:00	2aSP	Signal Processing in Acoustics, Physical Acoustics, Underwater Acoustics, Biomedical Acoustics, Noise,			

- 1:00 2pPPa **Psychological and Physiological Acoustics and Animal Bioacoustics:** Auditory Perception of Stationary and Moving Sounds II. Columbia C
- 2:45 2pPPb **Psychological and Physiological Acoustics:** Psychoacoustics and Neural Processing (Poster Session). Columbia A
- 1:00 2pSA **Structural Acoustics and Vibration, Engineering Acoustics, and Physical Acoustics:** Acoustic Metamaterials II. Room 302 (L)/303 (O)
- 1:00 2pSC **Speech Communication:** Child Speech Production and Perception (Poster Session). Columbia A
- 1:00 2pSP **Signal Processing in Acoustics:** General Topics in Signal Processing I. Room 501 (L)/504 (O)
- 1:00 2pUW **Underwater Acoustics:** General Topics in Underwater Acoustics: Inversions and Parameter Estimation. Room 502 (L)/503 (O)

Wednesday Morning

- 9:00 3aAA **Architectural Acoustics and ASA Committee on Standards:** Restaurant Acoustics. Elwha A
- 8:20 3aAB **Animal Bioacoustics:** Animal Bioacoustics Poster Session (Poster Session). Columbia A
- 9:00 3aBAa **Biomedical Acoustics and Physical Acoustics:** Biomedical Acoustics Modeling Workshop. Room 401 (L)/404 (O)
- 8:40 3aBAb **Biomedical Acoustics:** Biomedical Acoustics in Ophthalmology I. Room 405 (L)/406 (O)
- 9:00 3aCA **Computational Acoustics, Underwater Acoustics, Acoustical Oceanography, Signal Processing in Acoustics, Structural Acoustics and Vibration, Musical Acoustics, Architectural Acoustics, Physical Acoustics, Biomedical Acoustics, Psychological and Physiological Acoustics, Animal Bioacoustics, and Engineering Acoustics:** Showcases of High Performance Computing in Acoustics I. Room 502 (L)/503 (O)
- 8:45 3aEA **Engineering Acoustics and Signal Processing in Acoustics:** Acoustics and Human-Machine Interface. Room 602 (L)/603 (O)
- 9:00 3aMUa **Musical Acoustics:** Making Music During a Pandemic. Room 302 (L)/303 (O)
- 10:10 3aMUb **Musical Acoustics:** General Topics in Musical Acoustics I. Room 302 (L)/303 (O)
- 8:40 3aNS **Noise, Physical Acoustics, ASA Committee on Standards, Structural Acoustics and Vibration, and Signal Processing in Acoustics:** Jet and Launch Vehicle Noise. Room 301 (L)/304 (O)
- 8:00 3aPA **Physical Acoustics, Signal Processing in Acoustics, ASA Committee on Acoustics, Computational Acoustics, and Engineering Acoustics:** Infrasound I. Room 402 (L)/403 (O)
- 8:25 3aPP **Psychological and Physiological Acoustics and Speech Communication:** Acoustic Outreach to Early Career Scientists in Clinical and Physiological Research: Top-Down Influences on Auditory Processing. Columbia C
- 8:20 3aSA **Structural Acoustics and Vibration, Engineering Acoustics, Physical Acoustics, and Signal Processing in Acoustics:** Experimental Methods for Material Characterization in Structural Acoustics and Vibration. Room 501 (L)/504 (O)
- 9:00 3aSC **Speech Communication:** Articulation and Voice (Poster Session). Columbia A
- 8:20 3aSP **Signal Processing in Acoustics, Physical Acoustics, Underwater Acoustics, Biomedical Acoustics, and Structural Acoustics and Vibration:** Time Reversal Acoustics. Quinault
- 7:55 3aUW **Underwater Acoustics:** General Topics in Underwater Acoustics: Modeling and Measurements I. Elwha B

Wednesday Afternoon

- 1:00 3pAA **Architectural Acoustics:** AIA CEU Presenters Course Training Session. Elwha A
- 1:30 3pAB **Animal Bioacoustics:** Animal Bioacoustic Signals Transmission and Environment. Room 602 (L)/603 (O)
- 1:00 3pAOa **Acoustical Oceanography:** Acoustical Oceanography Prize Lecture I. Elwha B
- 2:15 3pAOb **Acoustical Oceanography:** Acoustical Oceanography Prize Lecture II. Elwha B
- 1:00 3pBAa **Biomedical Acoustics:** Biomedical Acoustics Student Poster Competition. Columbia A
- 1:00 3pBAb **Biomedical Acoustics:** Biomedical Acoustics in Ophthalmology II. Room 405 (L)/406 (O)

1:00	3pCA	Computational Acoustics, Underwater Acoustics, Acoustical Oceanography, Signal Processing in Acoustics, Structural Acoustics and Vibration, Musical Acoustics, Architectural Acoustics, Physical Acoustics, Biomedical Acoustics, Psychological and Physiological Acoustics, Animal Bioacoustics, and Engineering Acoustics: Showcases of High Performance Computing in Acoustics II. Room 502 (L)/503 (O)			Fisheries Acoustics: Revolutionary or Incremental Progress? Elwha B
2:20	3pID	Interdisciplinary: Hot Topics in Acoustics. Quinault	8:00	4aMU	Musical Acoustics: General Topics in Musical Acoustics III. Room 302 (L)/303 (O)
1:30	3pMU	Musical Acoustics: General Topics in Musical Acoustics II. Room 302 (L)/303 (O)	8:15	4aNSa	Noise and ASA Committee on Standards: Aircraft Sonic Boom and Community Noise Assessment. Room 402 (L)/403 (O)
1:00	3pNS	Noise, Physical Acoustics, Signal Processing in Acoustics, Structural Acoustics and Vibration, and ASA Committee on Standards: Military Jet Noise Measurements and Analysis. Room 301 (L)/304 (O)	10:15	4aNSb	Noise, ASA Committee on Standards, and Psychological and Physiological Acoustics: General Topics on Noise-Induced Hearing Loss and Protection. Room 402 (L)/403 (O)
1:00	3pPA	Physical Acoustics, Signal Processing in Acoustics, ASA Committee on Standards, Computational Acoustics, and Engineering Acoustics: Infrasound II. Room 402 (L)/403 (O)	8:00	4aPA	Physical Acoustics and Biomedical Acoustics: Session in Honor of David T. Blackstock I. Quinault
1:00	3pPP	Psychological and Physiological Acoustics: Auditory Neuroscience Prize Lecture. Quinault	8:20	4aPP	Psychological and Physiological Acoustics: Open Source Audio Processing Challenge Results - Hackathon Challenge Presentations. Columbia C
1:00	3pSA	Structural Acoustics and Vibration, Education in Acoustics, and Noise: Perspectives from Senior Researchers in Structural Acoustics and Vibration. Room 501 (L)/504 (O)	8:00	4aSA	Structural Acoustics and Vibration and Engineering Acoustics: Historical Development of Fuzzy Structures Concepts. Room 401 (L)/404 (O)
			9:00	4aSC	Speech Communication: Speech Communication in Challenging Situations (Poster Session). Columbia A
			8:00	4aSP	Signal Processing in Acoustics, Physical Acoustics, Biomedical Acoustics, Noise, and Animal Bioacoustics: Signal Processing Methods for Source Classification and Localization in Real Acoustic Environments I. Room 501 (L)/504 (O)
			8:20	4aUW	Underwater Acoustics, Signal Processing in Acoustics, Acoustical Oceanography, and Computational Acoustics: Waveguide Invariant Theory and its Applications I. Room 502 (L)/503 (O)

Wednesday Evening

7:00	3eED	Education in Acoustics and Women in Acoustics: Listen Up and Get Involved! Quinault
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Thursday Morning

8:20	4aAA	Architectural Acoustics: Architectural Acoustics Potpourri. Elwha A
8:30	4aAB	Animal Bioacoustics, Acoustical Oceanography, Underwater Acoustics, and Signal Processing in Acoustics: Applications of Bioacoustics in Killer Whale Conservation I. Room 602 (L)/603 (O)
7:50	4aAO	Acoustical Oceanography, Signal Processing in Acoustics, ASA Committee on Standards, Computational Acoustics, and Engineering Acoustics: New Data Sources and Processing Techniques in

Thursday Afternoon

1:30	4pAB	Animal Bioacoustics, Acoustical Oceanography, Underwater Acoustics, and Signal Processing in Acoustics: Applications of Bioacoustics in Killer Whale Conservation II. Room 602 (L)/603 (O)
1:30	4pBA	Biomedical Acoustics, Structural Acoustics and Vibration, Physical Acoustics, Underwater Acoustics, Engineering Acoustics, and Signal Processing in Acoustics: Novel Ultrasound Imaging Approaches for Muscle Characterization. Elwha A
1:30	4pED	Education in Acoustics: Preview of Next JASA Special Issue on Education in Acoustics. Elwha B

1:00	4pNS	Noise, ASA Committee on Standards, Architectural Acoustics, Education in Acoustics, and Psychological and Physiological Acoustics: Sound Walks. Room 402 (L)/403 (O)	9:00	5aABa	Animal Bioacoustics: Animal Auditory Perception. Quinault
1:30	4pPA	Physical Acoustics and Biomedical Acoustics: Session in Honor of David T. Blackstock II. Quinault	10:30	5aABb	Animal Bioacoustics: Animal Bioacoustics in Noise. Quinault
1:30	4pPPa	Psychological and Physiological Acoustics and Speech Communication: Challenges and Opportunities in Technology for Remote and Virtual Testing. Columbia C	8:00	5aAO	Acoustical Oceanography and Underwater Acoustics: Topics in Acoustic Oceanography. Elwha B
2:30	4pPPb	Psychological and Physiological Acoustics: Binaural Hearing and Speech Perception (Poster Session). Columbia A	8:30	5aBAa	Biomedical Acoustics: Acoustics for Kidney Stone Management I. Room 401 (L)/404 (O)
1:30	4pSA	Structural Acoustics and Vibration, Engineering Acoustics, Musical Acoustics, and Physical Acoustics: Additive Manufacturing and Acoustics. Room 401 (L)/404 (O)	8:00	5aBAb	Biomedical Acoustics and Physical Acoustics: An Educational Session to Explore the History of Cavitation Bioeffects and How Lessons Learned are Shaping the Future of Cavitation in Medical Ultrasound. Room 405 (L)/406 (O)
1:30	4pSC	Speech Communication: Perception and Social Evaluation (Poster Session). Columbia A	8:40	5aPA	Physical Acoustics: Physical Acoustics Potpourri. Room 402 (L)/403 (O)
1:00	4pSP	Signal Processing in Acoustics, Physical Acoustics, Biomedical Acoustics, Noise, and Animal Bioacoustics: Signal Processing Methods for Source Classification and Localization in Real Acoustic Environments II. Room 501 (L)/504 (O)	9:00	5aPP	Psychological and Physiological Acoustics: Development and Aging; Clinical Populations (Poster Session). Columbia A
1:10	4pUWa	Underwater Acoustics, Signal Processing in Acoustics, Physical Acoustics, Acoustical Oceanography, and Computational Acoustics: Waveguide Invariant Theory and its Applications II. Room 502 (L)/503 (O)	8:20	5aSAa	Structural Acoustics and Vibration: Novel Methods for Energy Dissipation in Structures. Room 501
2:20	4pUWb	Underwater Acoustics: General Topics in Underwater Acoustics: Modeling and Measurement II. Room 502 (L)/503 (O)	10:15	5aSAb	Structural Acoustics and Vibration: General Topics in Structural Acoustics. Room 501
			9:00	5aSC	Speech Communication, Psychological and Physiological Acoustics, ASA Committee on Standards, and Signal Processing in Acoustics: Speech and Machines. Columbia D
			8:00	5aSP	Signal Processing in Acoustics: General Topics in Signal Processing II. Room 501 (L)/504 (O)

Friday Morning

8:00	5aAA	Architectural Acoustics, Computational Acoustics, Education in Acoustics, Physical Acoustics, Noise, ASA Committee on Standards, Engineering Acoustics, and Psychological and Physiological Acoustics: International Year of Sound Potpourri. Elwha A
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Friday Afternoon

1:00	5pAO	Acoustical Oceanography: Acoustic Sensing of Bio-Physical Interactions in the Water Column and Seafloor. Elwha B
1:00	5pBA	Biomedical Acoustics: Acoustics for Kidney Stone Management II. Room 401 (L)/404 (O)
1:00	5pSC	Speech Communication: Large-Scale and Remote-Platform Acoustic Analysis (Poster Session). Columbia A