

TECHNICAL PROGRAM CALENDAR
175th Meeting of the Acoustical Society of America
7–11 May 2018

MONDAY MORNING

			1:00	1pPPb	Psychological and Physiological Acoustics: Spectral, Pitch, and Physiological Measurements (Poster Session). Nicollet A
9:30	1aAO	Acoustical Oceanography and Underwater Acoustics: Acoustics in Naturally Constrained Environments: Estuaries, Bays, Inlets, Fjords and Rivers I. Greenway A			
8:30	1aNS	Noise: Novel Materials for Sound Absorption, Insulation, and Vibration Control. Nicollet D3	1:00	1pSA	Structural Acoustics and Vibration: General Topics in Structural Acoustics and Vibration. Greenway C
8:40	1aPA	Physical Acoustics, Structural Acoustics and Vibration, Architectural Acoustics, and Underwater Acoustics: Novel Methods in Computational Acoustics I. Greenway J	1:00	1pSCa	Speech Communication: South Asian Languages I. Nicollet D1
8:00	1aPP	Psychological and Physiological Acoustics: Consequences of Asymmetrical Hearing. Nicollet D2	2:15	1pSCb	Speech Communication: South Asian Languages II (Poster Session). Nicollet A
9:00	1aSP	Signal Processing in Acoustics, Underwater Acoustics, and Architectural Acoustics: Signal Processing for Complex Environments I. Greenway H/I	1:00	1pSP	Signal Processing in Acoustics, Underwater Acoustics, and Architectural Acoustics: Signal Processing for Complex Environments II. Greenway H/I
			1:45	1pUW	Underwater Acoustics: Instrumentation for Underwater Acoustics. Greenway B

MONDAY EVENING

7:00	1eID	Interdisciplinary: Tutorial Lecture on Hearing Loss and the Future of Auditory Implants. Nicollet D2
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MONDAY AFTERNOON

1:00	1pAA	Architectural Acoustics and Noise: Architectural Acoustics Experimental Methods in Laboratories. Nicollet C
1:20	1pAB	Animal Bioacoustics: Bat and Biomimetic Sonar/Marine Mammal Hearing and Sound Production. Lakeshore B
3:00	1pAO	Acoustical Oceanography and Underwater Acoustics: Acoustics in Naturally Constrained Environments: Estuaries, Bays, Inlets, Fjords and Rivers II. Greenway A
1:25	1pBA	Biomedical Acoustics: Transcranial Focused Ultrasound for Targeted Brain Therapies. Greenway F/G
1:00	1pID	Interdisciplinary: Introductions to Technical Committees. Lakeshore A
1:00	1pNS	Noise: Open Source Audio Processing Platforms. Nicollet D3
1:00	1pPA	Physical Acoustics, Structural Acoustics and Vibration, Architectural Acoustics, and Underwater Acoustics: Novel Methods in Computational Acoustics II. Greenway J
1:00	1pPPa	Psychological and Physiological Acoustics, Signal Processing in Acoustics, and Underwater Acoustics: Future Directions for Hearing Aids: Multi-Sensor, User-Informed, and Environment-Aware. Nicollet D2

TUESDAY MORNING

9:00	2aAAa	Architectural Acoustics and ASA Committee on Standards: Acoustics of Lobbies, Atria, Stairways, Corridors, Pre-function, etc.. Nicollet C
9:00	2aAAb	Architectural Acoustics: Student Design Competition (Poster Session). Nicollet A
8:00	2aAB	Animal Bioacoustics and ASA Committee on Standards: History of Animal Bioacoustics. Lakeshore B
8:00	2aAOa	Acoustical Oceanography: Acoustic Seabed Characterization I. Greenway A
11:00	2aAOB	Acoustical Oceanography: Acoustical Oceanography Prize Lecture. Greenway A
8:00	2aBA	Biomedical Acoustics: Using Acoustic Wave Propagation to Estimate Quantitative Material Properties of Tissue I. Greenway F/G
9:00	2aEA	Engineering Acoustics and Physical Acoustics: Miniature Acoustic Transducers I. Greenway D
8:30	2aNS	Noise, Psychological and Physiological Acoustics, and Speech Communication: Hearing Health Across a Lifespan: Hearing Screening From Cradle to Grave. Nicollet D3
9:40	2aPA	Physical Acoustics: Infrasound for Global Security I. Greenway J

- 8:00 2aPP **Psychological and Physiological Acoustics, Speech Communication, and Signal Processing in Acoustics:** Phase Locking and Rate Limits in Electric Hearing. Nicollet D2
- 8:40 2aSC **Speech Communication, Animal Bioacoustics, and Psychological and Physiological Acoustics:** Adapting Methods and Models for Vocal Production Across Human and Non-Human Primate Species. Nicollet D1
- 8:20 2aSP **Signal Processing in Acoustics, Underwater Acoustics, Physical Acoustics, and Noise:** Time Reversal Acoustics. Greenway H/I

TUESDAY AFTERNOON

- 1:00 2pAA **Architectural Acoustics:** Interactions Between Acoustics and Architectural Design. Nicollet C
- 1:20 2pAB **Animal Bioacoustics:** Plant Bioacoustics. Lakeshore B
- 1:00 2pAO **Acoustical Oceanography:** Acoustic Seabed Characterization II. Greenway A
- 1:15 2pBA **Biomedical Acoustics:** Using Acoustic Wave Propagation to Estimate Quantitative Material Properties of Tissue II. Greenway F/G
- 1:00 2pEA **Engineering Acoustics and Physical Acoustics:** Miniature Acoustic Transducers II. Greenway D
- 1:00 2pNS **Noise and ASA Committee on Standards:** Effects of Natural Soundscapes on Recreation Areas. Nicollet D3
- 1:00 2pPA **Physical Acoustics:** Infrasound for Global Security II. Greenway J
- 1:00 2pPPa **Psychological and Physiological Acoustic, Animal Bioacoustics, and Noise:** Honoring the Contributions of David Kemp to the Discovery of Otoacoustic Emissions and their Utility for Assessing Hearing Function. Nicollet D2
- 1:00 2pPPb **Psychological and Physiological Acoustics:** Binaural Hearing and Psychoacoustic Methodology (Poster Session). Nicollet A
- 1:00 2pSA **Structural Acoustics and Vibration and Education in Acoustics:** Improving Education in Structural Acoustics and Vibration. Greenway C
- 1:00 2pSC **Speech Communication:** Clinical Populations (Poster Session). Nicollet A
- 1:00 2pSP **Signal Processing in Acoustics, Psychological and Physiological Acoustics, Architectural Acoustics, and Noise:** Acoustics of Virtual and Augmented Reality. Greenway H/I

WEDNESDAY MORNING

- 8:50 3aAA **Architectural Acoustics, Psychological and Physiological Acoustics, and Speech Communication:** Auditory Perception in Virtual, Mixed, and Augmented Environments. Nicollet C
- 8:15 3aAO **Acoustical Oceanography, Animal Bioacoustics, and Underwater Acoustics:** Ambient Noise Oceanography in Polar Regions: Noise Properties and Parameter Estimation. Greenway A
- 9:00 3aBA **Biomedical Acoustics and Physical Acoustics:** Induction Mechanisms for Bubble Nucleation I. Greenway F/G
- 8:15 3aEAa **Engineering Acoustics:** General Studies on Structures. Greenway D
- 10:15 3aEAb **Engineering Acoustics:** General Studies on Transducers. Greenway D
- 8:00 3aEDa **Education in Acoustics:** Developing and/or Using Interactive Simulations for Teaching Acoustics. Nicollet D3
- 9:30 3aEDb **Education in Acoustics:** Hands-On for Middle and High-School Students. Mirage
- 9:00 3aMU **Musical Acoustics:** Acoustics of Choirs and Vocal Ensembles. Lakeshore A
- 9:00 3aPA **Physical Acoustics:** General Topics in Physical Acoustics I. Greenway J
- 7:55 3aPPa **Psychological and Physiological Acoustics:** Physiology Meets Perception. Nicollet D2
- 11:00 3aPPb **Psychological and Physiological Acoustics:** Auditory Neuroscience Prize Lecture. Nicollet D2
- 8:40 3aSC **Speech Communication:** Session in Memory of James J. Jenkins. Nicollet D1
- 9:00 3aSP **Signal Processing in Acoustics and Underwater Acoustics:** Co-Prime Arrays and Other Sparse Arrays I. Greenway H/I
- 8:00 3aUW **Underwater Acoustics:** Target Scattering in Underwater Acoustics: Imaging, Spectral Domain, and Other Representations I. Greenway B

WEDNESDAY AFTERNOON

- 1:00 3pAA **Architectural Acoustics:** AIA CEU Course Presenters Training Session. Lakeshore A
- 1:10 3pAB **Animal Bioacoustics:** Lessons on Auditory 'Perception' from Exploring Insect Hearing. Lakeshore B
- 1:00 3pBAa **Biomedical Acoustics:** Biomedical Acoustics Best Student Paper Competition (Poster Session). Nicollet A

1:40	3pBAb	Biomedical Acoustics and Physical Acoustics: Induction Mechanisms for Bubble Nucleation II. Greenway F/G			and Vibration, and Architectural Acoustics: Acoustical Standards in Action: Realization, Applications, and Evolution. Greenway H/I
2:15	3pID	Interdisciplinary: Hot Topics in Acoustics. Greenway C/D	8:30	4aMU	Musical Acoustics: General Topics in Musical Acoustics. Lakeshore A
1:00	3pPA	Physical Acoustics: Ultrasound and High Frequency Sound in Air in Public and Work Places: Applications, Devices and Effects. Greenway J	8:00	4aNS	Noise, Psychological and Physiological Acoustics, and ASA Committee on Standards: Hearing Protection: Impulse Peak Insertion Loss, Specialized Hearing Protection Devices and Fit-Testing I. Nicollet D3
1:10	3pPP	Psychological and Physiological Acoustics and Speech Communication: Acoustics Outreach to Budding Scientists: Planting Seeds for Future Clinical and Physiological Collaborations '18. Nicollet D2	8:40	4aPA	Physical Acoustics, Noise, and ASA Committee on Standards: Sonic Boom I. Greenway J
1:30	3pSA	Structural Acoustics and Vibration, Signal Processing in Acoustics, and Noise: Model Reduction for Structural Acoustics and Vibration. Greenway A	8:00	4aPP	Psychological and Physiological Acoustics: Honoring Neal Viemeister's Contributions to Psychoacoustics. Nicollet D2
1:00	3pSC	Speech Communication: Tools and Technology for Speech Research (Poster Session). Nicollet A	9:00	4aSA	Structural Acoustics and Vibration, Physical Acoustics, and Engineering Acoustics: Acoustic Metamaterials I. Greenway C
1:00	3pSP	Signal Processing in Acoustics and Underwater Acoustics: Co-Prime Arrays and Other Sparse Arrays II. Greenway H/I	8:00	4aSC	Speech Communication: Perception and Processing of Voice and Speech (Poster Session). Nicollet A
1:00	3pUW	Underwater Acoustics: Target Scattering in Underwater Acoustics: Imaging, Spectral Domain, and Other Representations II. Greenway B	8:30	4aUW	Underwater Acoustics, Signal Processing in Acoustics, and Physical Acoustics: High Performance Computing Applications to Underwater Acoustics. Greenway B

WEDNESDAY EVENING

5:00	3eED	Education in Acoustics and Women in Acoustics: Listen Up and Get Involved. Mirage
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THURSDAY MORNING

7:55	4aAAa	Architectural Acoustics, Noise, ASA Committee on Standards, and Speech Communication: Acoustics in Classrooms and Other Educational Spaces. Nicollet C
10:10	4aAAb	Architectural Acoustics: Topics in Architectural Acoustics - Measurements, Perceptions, and Metrics. Nicollet C
8:00	4aAB	Animal Bioacoustics: Animal sound production and hearing. Lakeshore B
8:00	4aBA	Biomedical Acoustics: Acoustic Imaging of Small Vessels and Low Speed Flow. Greenway F/G
10:10	4aEA	Engineering Acoustics, Signal Processing in Acoustics, and Underwater Acoustics: Advanced Transduction Technologies for Sonar Applications. Greenway D
8:00	4aID	Interdisciplinary, ASA Committee on Standards, Noise, Structural Acoustics

THURSDAY AFTERNOON

1:30	4pBAa	Biomedical Acoustics: Therapeutic Ultrasound and Bioeffects. Greenway F/G
3:30	4pBAb	Biomedical Acoustics: Imaging. Greenway F/G
1:00	4pMU	Musical Acoustics, Psychological and Physiological Acoustics, and Signal Processing in Acoustics: Sound Effects and Perception. Lakeshore A
1:30	4pNS	Noise, Psychological and Physiological Acoustics, and ASA Committee on Standards: Hearing Protection: Impulse Peak Insertion Loss, Specialized Hearing Protection Devices II. Nicollet D3
1:40	4pPA	Physical Acoustics, Noise, and ASA Committee on Standards: Sonic Boom II. Greenway J
1:00	4pPPa	Psychological and Physiological Acoustics: Sound Localization, Spatial Release from Masking, and Binaural Hearing with Devices. Nicollet D2
1:00	4pPPb	Psychological and Physiological Acoustics: Clinical Topics and Devices (Poster Session). Nicollet A

- 3:45 4pPPc **Psychological and Physiological Acoustics:** Sensitivity to Spectral and Temporal Information. Nicollet D2
- 1:30 4pSA **Structural Acoustics and Vibration, Physical Acoustics, and Engineering Acoustics:** Acoustic Metamaterials II. Greenway C
- 1:00 4pSC **Speech Communication:** Non-Native Speech Perception and Production (Poster Session). Nicollet A
- 1:00 4pSP **Signal Processing in Acoustics:** Topics in Signal Processing in Acoustics. Greenway H/I
- 1:00 4pUW **Underwater Acoustics:** Underwater Acoustic Communications, Positioning and Signal Processing. Greenway B

FRIDAY MORNING

- 8:00 5aPA **Physical Acoustics:** General Topics in Physical Acoustics II. Greenway J
- 8:00 5aPP **Psychological and Physiological Acoustics:** Examining the Auditory Brain. Nicollet D2
- 8:00 5aSC **Speech Communication:** Speech Production (Poster Session). Nicollet A
- 8:00 5aSP **Signal Processing in Acoustics and Underwater Acoustics:** Continuous Active Acoustics. Greenway H/I
- 8:00 5aUWa **Underwater Acoustics:** Underwater Soundscape: Measurement and Characterization. Greenway B
- 9:30 5aUWb **Underwater Acoustics:** Underwater Acoustic Propagation: models and experimental data. Greenway B