

TECHNICAL PROGRAM CALENDAR

167th Meeting

Providence, Rhode Island

5–9 May 2014

MONDAY MORNING

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|-------|------|--|------------------------|------|--|
| | | | 1:30 | 1pMU | Musical Acoustics: Topics in Musical Acoustics. Ballroom C |
| 8:05 | 1aAA | Architectural Acoustics and Noise: Soundscape Methods and Case Studies in Architectural Projects Applications of Soundscape Techniques to the Realization of Perceived High Quality Sonic Environments in Architectural Projects. 555 A/B | 1:00 | 1pNS | Noise, Architectural Acoustics, and ASA Committee on Standards: Soundscapes: Decisions on Measurement Procedures. 557 |
| | | | 1:00 | 1pPP | Psychological and Physiological Acoustics: From Protection to Perception. 556 A/B |
| 8:00 | 1aAB | Animal Bioacoustics and Psychological and Physiological Acoustics: Comparative Perspectives on the Cocktail Party Problem I. Ballroom B | 1:25 | 1pSA | Structural Acoustics and Vibration and Underwater Acoustics: Undersea Vehicle Noise. 553 A/B |
| 7:55 | 1aAO | Acoustical Oceanography and Signal Processing in Acoustics: Using Acoustics to Study Fish Distribution and Behavior I. 552 A | 1:00 | 1pSC | Speech Communication: Methods and Models for Speech Communication (Poster Session). Ballroom A |
| 7:55 | 1aBA | Biomedical Acoustics: Breast Ultrasound I. Ballroom E | 1:30 | 1pSP | Signal Processing in Acoustics: Sonar and Underwater Acoustic Communications. 552 B |
| 8:30 | 1aED | Education in Acoustics and Physical Acoustics: Tools for Teaching Advanced Acoustics. Ballroom C | MONDAY EVENING | | |
| 8:00 | 1aPP | Psychological and Physiological Acoustics: Temporal Processing; Pitch and Timbre Perception; Speech Perception (Poster Session). Ballroom A | 7:00 | 1eID | Interdisciplinary: Tutorial Lecture on Sound Reproduction: Science in the Service of Art. Ballroom D |
| 10:00 | 1aUW | Underwater Acoustics: Acoustic Tomography and Interferometry. 556 A/B | TUESDAY MORNING | | |

MONDAY AFTERNOON

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|------|-------|---|-------|-------|--|
| 1:00 | 1pAA | Architectural Acoustics: Room Acoustics Prediction and Measurement. 555 A/B | 8:15 | 2aAA | Architectural Acoustics: Uncertainty in Describing Room Acoustics Properties I. 555 A/B |
| 1:00 | 1pABa | Animal Bioacoustics and Psychological and Physiological Acoustics: Comparative Perspectives on the Cocktail Party Problem II. Ballroom B | 8:00 | 2aAB | Animal Bioacoustics and Signal Processing in Acoustics: Dynamics of Biosonar: Time-Dependent Adaptations in Transmission, Reception, and Representation in Echolocating Animals II. 554 A/B |
| 3:15 | 1pABb | Animal Bioacoustics and Signal Processing in Acoustics: Dynamics of Biosonar: Time-Dependent Adaptations in Transmission, Reception, and Representation in Echolocating Animals I. 554 A/B | 8:00 | 2aBA | Biomedical Acoustics: Brain Therapy and Imaging. Ballroom E |
| 1:00 | 1pAO | Acoustical Oceanography and Signal Processing in Acoustics: Using Acoustics to Study Fish Distribution and Behavior II. 552 A | 9:00 | 2aEA | Engineering Acoustics: Session in Honor of Kim Benjamin. 550 A/B |
| 1:00 | 1pBA | Biomedical Acoustics: Breast Ultrasound II. Ballroom E | 9:40 | 2aMU | Musical Acoustics: Where are They Now? Past Student Paper Award Winners Report. Ballroom C |
| 2:00 | 1pID | Interdisciplinary Student Council: Introduction to Technical Committee Research and Activities: Especially for Students and First-Time Meeting Attendees. Ballroom D | 8:55 | 2aNSa | Noise: Session in Honor of Kenneth Eldred. 557 |
| | | | 10:35 | 2aNSb | Noise: Session in Honor of Harvey Hubbard. 557 |
| | | | 7:55 | 2aPA | Physical Acoustics: Beyond Basic Crystals: Viscoelastic and Piezoelectric Materials. 551 A/B |
| | | | 8:30 | 2aPP | Psychological and Physiological Acoustics: Temporal Processing, Compression, and Cochlear Implants: Session in Honor of Sid P. Bacon. Ballroom B |

- 8:20 2aSA **Structural Acoustics and Vibration, Physical Acoustics, Engineering Acoustics, and Noise:** Acoustic Metamaterials I. 553 A/B
- 8:00 2aSC **Speech Communication:** Speech Perception I (Poster Session). Ballroom A
- 8:25 2aSP **Signal Processing in Acoustics:** Session in Honor of William M. Carey I. 552 A/B

TUESDAY AFTERNOON

- 1:05 2pAAa **Architectural Acoustics:** Uncertainty in Describing Room Acoustics Properties II. 555 A/B
- 1:00 2pAAb **Architectural Acoustics, Robert Bradford Newman Student Award Fund and National Council of Acoustical Consultants:** Student Design Competition. 556 A/B
- 1:00 2pAB **Animal Bioacoustics:** Acoustics as a Tool for Population Structure I. 554 A/B
- 1:30 2pEA **Engineering Acoustics:** Transduction. 550 A/B
- 1:05 2pMU **Musical Acoustics:** Acoustics of the Organ. Ballroom C
- 1:00 2pNS **Noise and Architectural Acoustics:** Acoustics During Construction. 557
- 12:55 2pPA **Physical Acoustics and Education in Acoustics:** Demonstrations in Acoustics. 551 A/B
- 1:25 2pPP **Psychological and Physiological Acoustics:** Scientific Catalyst, Collaborator, and Gadfly: Honoring the Contributions of Tino (Constantine) Trahiotis to the Understanding of Binaural Auditory Processing. Ballroom B
- 1:00 2pSA **Structural Acoustics and Vibration, Physical Acoustics, Engineering Acoustics, and Noise:** Acoustic Metamaterials II. 553 A/B
- 1:00 2pSC **Speech Communication:** Determinants of Speech Perception: Session in Honor of Joanne L. Miller. Omni Waterplace
- 1:30 2pSP **Signal Processing in Acoustics:** Session in Honor of William M. Carey II. 552 A/B

WEDNESDAY MORNING

- 8:25 3aAAa **Architectural Acoustics:** J. Christopher Jaffe—His Life in Acoustics. 555 A/B
- 9:00 3aAAb **Architectural Acoustics:** Listening to the “Virtual Paul’s Cross” – Auralizing 17th Century London I. 550 A/B
- 9:00 3aAB **Animal Bioacoustics:** Sound Production and Reception by Animals. 554 A/B

- 8:00 3aBAa **Biomedical Acoustics:** Measurement and Imaging. Ballroom E
- 10:30 3aBAb **Biomedical Acoustics:** Best Paper Award Poster Session. Ballroom C
- 10:00 3aED **Education in Acoustics:** Hands-On Acoustics Demonstrations for Middle- and High-School Students. Omni Narragansett A/B
- 11:00 3aID **Interdisciplinary:** Future of Acoustics. 557
- 8:15 3aNS **Noise, Structural Acoustics and Vibration, and ASA Committee on Standards:** Wind Turbine Noise. 557
- 7:55 3aPA **Physical Acoustics:** Acoustical Methods and Sensors for Challenging Environments. 551 A/B
- 8:00 3aPPa **Psychological and Physiological Acoustics:** Diagnostics of the Pathological Middle Ear by Wideband Acoustic Impedance/ Reflectance Measures. Ballroom B
- 8:00 3aPPb **Psychological and Physiological Acoustics:** Binaural Processing and Spatial Perception (Poster Session). Ballroom A
- 11:00 3aPPc **Psychological and Physiological Acoustics:** Auditory Neuroscience Prize Lecture. Ballroom B
- 8:25 3aSAa **Structural Acoustics and Vibration, Underwater Acoustics, and Physical Acoustics:** Session in Honor of Murray Strasberg. 553 A/B
- 8:25 3aSAb **Structural Acoustics and Vibration and Noise:** Environmental Vibration. 552 A
- 8:00 3aSC **Speech Communication:** Topics in Speech Production (Poster Session). Ballroom A
- 9:00 3aSP **Signal Processing in Acoustics:** Intelligent Feature Selection Methods for Machine Learning Problems in Acoustics. 552 B
- 8:00 3aUWa **Underwater Acoustics:** Acoustic Signal and Noise Propagation and Scattering. Ballroom D
- 9:00 3aUWb **Underwater Acoustics and Acoustical Oceanography:** Underwater Acoustics and Acoustical Oceanography Poster Session. 556 A/B

WEDNESDAY AFTERNOON

- 1:30 3pAAa **Architectural Acoustics:** The Technical Committee on Architectural Acoustics Vern O. Knudsen Distinguished Lecture. 555 A/B
- 1:30 3pAAb **Architectural Acoustics:** Listening to the “Virtual Paul’s Cross” – Auralizing 17th Century London II. 550 A/B

- 1:00 3pAO **Acoustical Oceanography:** Acoustical Oceanography Prize Lecture. 554 A/B
- 1:00 3pBA **Biomedical Acoustics:** Nonlinear Response of Encapsulated Microbubbles. Ballroom E
- 1:30 3pID **Interdisciplinary:** Hot Topics in Acoustics. 557
- 12:55 3pPA **Physical Acoustics:** Topics in Nonlinear Acoustics. 551 A/B
- 1:25 3pSA **Structural Acoustics and Vibration, Noise, and Architectural Acoustics:** Acoustics of Sports. 553 A/B
- 1:00 3pSC **Speech Communication:** Developmental Topics in Speech Communication. Ballroom D

WEDNESDAY EVENING

- 6:00 3eED **Education in Acoustics and Women in Acoustics:** Listen Up and Get Involved. Omni Narragansett A/B

THURSDAY MORNING

- 8:10 4aAA **Architectural Acoustics:** Green Building Acoustics Design and Challenges. 555 A/B
- 8:00 4aAB **Animal Bioacoustics:** Acoustics as a Tool for Population Structure II. 554 A/B
- 9:00 4aBA **Biomedical Acoustics:** Biomedical Applications of Low Intensity Ultrasound I. Ballroom E
- 8:15 4aEA **Engineering Acoustics:** Session in Honor of Stanley Ehrlich. 550 A/B
- 10:00 4aID **Interdisciplinary Public Relations Committee and Education in Acoustics:** Effective Communication Between Acoustics Professionals and the Media. Ballroom C
- 8:30 4aNS **Noise and ASA Committee on Standards:** Community Noise. 557
- 8:30 4aPA **Physical Acoustics:** Acoustic Radiation Forces, Streaming and Applications. 551 A/B
- 8:00 4aPP **Psychological and Physiological Acoustics and Speech Communication:** Cambridge Contributions to Auditory Science: The Moore-Patterson Legacy. Ballroom B
- 8:55 4aSA **Structural Acoustics and Vibration and Physical Acoustics:** Acoustics of Cylindrical Shells I. 553 A/B
- 8:00 4aSC **Speech Communication:** Cross-Language Topics in Speech Communication (Poster Session). East Prefunction
- 8:00 4aSP **Signal Processing in Acoustics and Underwater Acoustics:** Sensor Array Signal Processing I. 552 A/B

- 8:20 4aUW **Underwater Acoustics:** Acoustic Vector Sensor Measurements: Basic Properties of the Intensity Vector Field and Applications I. 556 A/B

THURSDAY AFTERNOON

- 1:00 4pAA **Architectural Acoustics and Psychological and Physiological Acoustics:** Psychoacoustics in Rooms I. Ballroom B
- 1:15 4pAB **Animal Bioacoustics:** Acoustics as a Tool for Population Structure III. 554 A/B
- 1:00 4pBAa **Biomedical Acoustics:** Biomedical Applications of Low Intensity Ultrasound II. Ballroom E
- 3:00 4pBAB **Biomedical Acoustics:** Modeling and Characterization of Biomedical Systems. Ballroom E
- 1:30 4pEA **Engineering Acoustics:** Devices and Flow Noise. 550 A/B
- 2:00 4pMUa **Musical Acoustics:** Automatic Musical Accompaniment Systems. Ballroom C
- 4:45 4pMUb **Musical Acoustics:** Automatic Accompaniment Demonstration Concert. Ballroom C
- 1:30 4pNS **Noise:** Out on a Limb and Other Topics in Noise. 557
- 1:00 4pPA **Physical Acoustics:** Topics in Wave Propagation and Noise. 551 A/B
- 1:30 4pPP **Psychological and Physiological Acoustics:** Role of Medial Olivocochlear Efferents in Auditory Function. 555 A/B
- 1:30 4pSA **Structural Acoustics and Vibration and Physical Acoustics:** Acoustics of Cylindrical Shells II. 553 A/B
- 1:30 4pSC **Speech Communication:** Special Populations and Clinical Considerations. Ballroom D
- 1:30 4pSP **Signal Processing in Acoustics and Underwater Acoustics:** Sensor Array Signal Processing II. 552 A/B
- 1:30 4pUW **Underwater Acoustics:** Acoustic Vector Sensor Measurements: Basic Properties of the Intensity Vector Field and Applications II. 556 A/B

FRIDAY MORNING

- 8:00 5aAAa **Architectural Acoustics and Psychological and Physiological Acoustics:** Psychoacoustics in Rooms II. Ballroom B
- 8:00 5aAAb **Architectural Acoustics:** Exploring the 2014 Sound and Vibration Guidelines and Case Studies for Healthcare Facilities. 555 A/B

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| 8:55 | 5aAB | Animal Bioacoustics and Education in Acoustics: Communicating the Science of Underwater Sound. 554 A/B | 8:00 | 5aSC | Speech Communication: Speech Perception II (Poster Session). East Prefunction |
| 8:45 | 5aNS | Noise: Aircraft and Fan Noise and Analysis. 557 | 8:30 | 5aSP | Signal Processing in Acoustics: Signal Processing Models for Sound Production and Perception. 552B |
| 9:00 | 5aPA | Physical Acoustics: General Topics in Physical Acoustics. 551 A/B | 8:00 | 5aUW | Underwater Acoustics: Underwater Acoustic Propagation. 556 A/B |
| 8:00 | 5aPP | Psychological and Physiological Acoustics: Potpourri (Poster Session). East Prefunction | | | |
| 9:00 | 5aSA | Structural Acoustics and Vibration: Recent Advances in Structural Acoustics and Vibrations. 553 A/B | | | |