

# TECHNICAL PROGRAM SUMMARY

18–22 May 2015

\*Indicates Special Session

## Monday morning, 18 May

- \*1aAA Spherical Array Processing for Architectural Acoustics
- 1aAB Bioacoustics and Behavior
- \*1aED Hands-On Acoustics Demonstrations for Middle- and High-School Students
- 1aPA General Topics in Physical Acoustics I
- \*1aPPa Kinematic Hearing: Auditory Perception of Moving Sounds by Moving Listeners
- 1aPPb General Topics in Psychological Acoustics (Poster Session)
- \*1aSC Listening Effort I
- 1aUW Acoustic Communications and Scattering

## Monday afternoon, 18 May

- \*1pAAa Uncertainty in Laboratory Building Acoustics Measurements
- \*1pAAb Session in Honor of Laymon Miller
- 1pABa Physiology of Animal Hearing
- 1pABb Advances in Processing Bioacoustics Data
- \*1pPA Acoustofluidics: Interaction of Acoustics and Fluid Dynamic Phenomena
- 1pPP Psychoacoustics (Poster Session)
- \*1pSAa Blind Source Localization and Separation for Structural Acoustic Sources
- 1pSAb General Topics in Structural Acoustics and Vibration I
- \*1pSC Listening Effort II
- \*1pSP Telecom and Audio Signal Processing
- 1pUW Environmental Characterization, Localization and Vectors

## Monday evening, 18 May

- \*1eED Listen Up and Get Involved
- \*1eID Tutorial Lecture on Man-Made Noise and Aquatic Life: Data, Data Gaps, and Speculation

## Tuesday morning, 19 May

- \*2aAAa Sixty-Fifth Anniversary of Noise and Health: Session in Honor of Karl Kryter I
- \*2aAAb Student Design Competition
- \*2aAB Auditory Scene Analysis in Natural Environments
- \*2aBA Ultrasound Contrast Agents: Nonlinear Bubble Dynamics
- \*2aNSa Noise, Soundscape, and Health
- \*2aNSb Active Control of Sound and Vibration
- \*2aPA Wind Noise Mitigation in Atmospheric Acoustics
- \*2aPP Celebration of the Modern Cochlear Implant and the First Substantial Restoration of a Human Sense Using a Medical Intervention I
- \*2aSA Acoustic Metamaterials I
- 2aSC General Topics in Speech Production (Poster Session)
- 2aSP Characteristic Spectral and Temporal Patterns in Speech Signals
- \*2aUW Historical Perspectives on the Origins of Underwater Acoustics I

## Tuesday afternoon, 19 May

- \*2pAA Sixty-Fifth Anniversary of Noise and Health: Session in Honor of Karl Kryter II
- \*2pAO Acoustics of Fine Grained Sediments: Theory and Measurements
- \*2pBA Ultrasonic Characterization of Bone
- 2pED Topics in Acoustics Education
- \*2pNSa Application of Psychoacoustics in Noise
- \*2pNSb Mobile Technology Solutions for Hearing Loss Prevention
- 2pPA General Topics in Physical Acoustics II
- \*2pPP Celebration of the Modern Cochlear Implant and the First Substantial Restoration of a Human Sense Using a Medical Intervention II
- \*2pSAa Acoustic Metamaterials II
- \*2pSAb Time-Domain Methods
- 2pSC Speech Methods, Models and Technology (Poster Session)
- \*2pUW Historical Perspectives on the Origins of Underwater Acoustics II

## Wednesday morning, 20 May

- \*3aAAa Public Policy Implementation of School Acoustics
- \*3aAAb Session in Honor of Dick Campbell
- \*3aBA Acoustic Radiation Force in Biomedical Applications I
- \*3aED Preparing Graduate Students for Careers in Acoustics

- \*3aMUa Acoustics of Percussion Instruments
- \*3aMUb Acoustics of Percussion Instruments II: Concert
- \*3aNS Noise with Tonal Components in the Built Environment
- 3aPP Spatial Hearing and Localization
- 3aSA General Topics in Structural Acoustics and Vibration II
- \*3aSC Celebration of Kenneth N. Stevens' Contributions to Speech Communication: Past, Present, Future I
- \*3aSPA Smartphone Acoustic Signal Processing Student Competition (Poster Session)
- \*3aSPb Cognitive Signal Processing
- \*3aUW Historical Perspectives on the Origins of Underwater Acoustics III

## Wednesday afternoon, 20 May

- \*3pAA Uses, Measurements, and Advances in the Use of Diffusion and Scattering Devices
- 3pAB Biosonar
- \*3pAO Acoustical Oceanography Prize Lecture
- \*3pBA Biomedical Acoustics Best Student Paper Competition (Poster Session)
- \*3pID Hot Topics in Acoustics
- 3pMU General Topics in Musical Acoustics I
- 3pNS Environmental Noise and Noise Control Elements
- \*3pPP Auditory Neuroscience Prize Lecture
- 3pSA General Topics in Structural Acoustics and Vibration III
- \*3pSC Celebration of Kenneth N. Stevens' Contributions to Speech Communication: Past, Present, Future II

## Thursday morning, 21 May

- 4aAAa Architectural Acoustics Potpourri
- \*4aAAb Up and Coming Architectural Acousticians: Past Student Paper Award Winners Report
- 4aAO General Topics in Acoustical Oceanography
- \*4aBA Acoustic Radiation Force in Biomedical Applications II
- \*4aEA Funding Opportunities with the National Science Foundation
- \*4aED Expanding Acoustics Outreach with Social Media
- \*4aNS Wind Turbine Noise I
- \*4aPA Infrasound I
- \*4aPP Influence of Visual Cues on Auditory Perception
- \*4aSA Noise Identification and Control in the Mining Industry
- 4aSC Cross-Language Speech Production and Perception (Poster Session)
- 4aSP Beamforming, Optimization, Source Localization and Separation
- \*4aUW Three-Dimensional Underwater Acoustics Models and Experiments I

## Thursday afternoon, 21 May

- 4pAA Classroom and Other Room Acoustics
- \*4pAB Audio Playback in Animal Bioacoustics
- \*4pBAa Ultrasound Contrast Agents: Molecular Imaging Applications
- 4pBAb Therapeutic Ultrasound and Bioeffects
- 4pEA General Topics in Engineering Acoustics
- 4pMU General Topics in Musical Acoustics II
- \*4pNS Wind Turbine Noise II
- \*4pPA Infrasound II
- 4pPP Physiology, Behavior, and Modeling: From Middle-Ear to Mid-Brain
- \*4pSA Demonstrations of Structural Acoustics and Vibration
- 4pSC Indexical Factors in Speech Perception and Production (Poster Session)
- \*4pUW Three-Dimensional Underwater Acoustics Models and Experiments II

## Friday morning, 22 May

- 5aBA Medical Ultrasound
- \*5aMU Non-Western Musical Instruments and Performance Spaces
- \*5aNS Louis C. Sutherland's Lifetime Contributions to the Fields of Noise, Standardization, and Classroom Acoustics
- 5aSC Speech Perception and Production in Noise and Related to Disorders of Speech, Language or Hearing (Poster Session)
- 5aSP Detection, Classification and Analysis
- 5aUW Propagation, Tomography, Scattering and Transducers