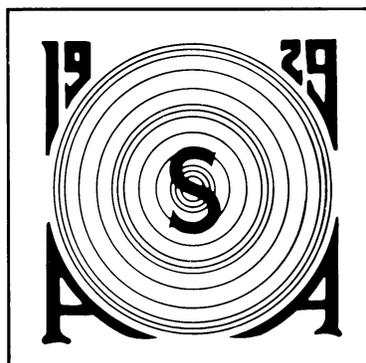


Announcement and Call for Papers

174th Meeting

Acoustical Society of America



**New Orleans Marriott
New Orleans, Louisiana**

4-8 December 2017

Deadline for receipt of abstracts: 10 July 2017

MEETING ANNOUNCEMENT AND CALL FOR PAPERS

The 174th Meeting of the Acoustical Society of America (ASA) will be held Monday through Friday, 4–8 December 2017 at the New Orleans Marriott, New Orleans, Louisiana. A block of rooms has been reserved at the New Orleans Marriott at discounted rates. Information about the meeting also appears on the ASA webpage at AcousticalSociety.org.

The deadline for receipt of abstracts is 10 July 2017. This deadline will be strictly enforced.

Susan E. Fox
Executive Director

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TECHNICAL PROGRAM AND SPECIAL SESSIONS

TECHNICAL PROGRAM

Contributed papers are welcome in all branches of acoustics. The technical program will consist of lecture and poster sessions. Technical sessions will be scheduled Monday through Friday, 4–8 December.

Every effort will be made to schedule contributed abstracts in accordance with author and Organizing Committee preferences. However, authors should be prepared to accept assignment to poster sessions. Assignments will take into account: a) author preference, b) program balance, and c) Technical Committee instructions. Abstracts will be rejected if they do not comply with the instructions.

Special sessions described below are planned for the meeting. Authors of invited papers must indicate the title of the special session in which they have been invited to participate when the abstract is submitted. Authors of contributed papers have the option to request placement of their abstracts in these sessions. If no special session placement is requested, contributed papers will be scheduled in sessions with abstracts of similar technical content.

SPECIAL SESSIONS, ORGANIZERS, AND DESCRIPTIVE SENTENCES

ACOUSTICAL OCEANOGRAPHY (AO)

Acoustic Scattering from Hydrocarbons and Hydrothermal Vents
Organized by: Christopher Bassett, Alexandra Padilla,
Daniela D'Iorio

Biological Effects on Seabed Geoacoustic Properties
(Joint with Underwater Acoustics and Physical Acoustics)
Organized by: Kevin M. Lee, Megan S. Ballard, Kelly M. Dorgan

Oceanographic Contributions to the Characteristics and Variability
of the Underwater Soundscape
(Joint with Animal Bioacoustics)
Organized by: David Barclay, Bruce Martin

ANIMAL BIOACOUSTICS (AB)

Bioacoustic Contributions to the Characteristics and Variability of
Soundscapes, Underwater or Terrestrial
(Joint with Acoustical Oceanography)
Organized by: Bruce Martin, David Barclay

In Memory of George Ioup: Acoustics in the Gulf of Mexico
(Joint with Signal Processing in Acoustics, Underwater Acoustics,
Acoustical Oceanography)
Organized by: Natalia Sidorovskaia, David K. Mellinger

Neurophysiology of Echolocation
Organized by: Dorian Houser

ARCHITECTURAL ACOUSTICS (AA)

Back to the Future: A Look at Multipurpose Spaces, How They've
Changed and What's Next
(Joint with Noise)
Organized by: Shane Jerome Kanter, Jennifer Nelson Smid

DESCRIPTIVE SENTENCES

Observations, models, and technology for studying acoustic scattering from hydrocarbons, hydrothermal vents, and other plumes of geophysical origin

Measurements and modeling of the effects of biological activity on the geoacoustic properties of the seabed, including changes to bulk density, porosity, compressional and shear wave speed and attenuation, and seafloor roughness

Natural physical processes that act as contributing sources to the sound field in the ocean, as well as the oceanographic and seabed properties that drive spatial and temporal variability of the underwater soundscape

Bioacoustic contributions to soundscapes, their diel and seasonal variability, and the tools used to identify bioacoustic contributions and variability

George Ioup's interests spanned many topics, much of it centered on the Gulf of Mexico: passive acoustic monitoring, analysis of acoustic signals, deconvolution techniques, anthropogenic impacts of sound on marine organisms, and a host of other topics. Submissions on these and other topics related to acoustics in the Gulf of Mexico are welcome

Recent advances in understanding the neurophysiological control and processing of echolocation in bats and toothed whales

A history of performance spaces, case studies of past spaces with an eye towards the future of multiuse venues

ARCHITECTURAL ACOUSTICS (AA) (continued)

Impact of Entertainment Sound on Communities
(Joint with Noise)
Organized by: David S Woolworth, Tony Hoover

Perceived Diffuseness
(Joint with Psychological and Physiological Acoustics)
Organized by: Jin Yong Jeon, Ning Xiang

Performance Spaces for Modern Music
(Joint with Musical Acoustics)
Organized by: Tony Hoover, Bruce Olson

Restaurant Acoustics
Organized by: Andy Chung, Siu-Kit Lau , Brigitte Schulte-Fortkamp

Speech Intelligibility in Reverberation and Noise
Organized by: Roger Schwenke

Speech Privacy Concerns in Open Plan Spaces
Organized by: Kenneth W Good Jr.

BIOMEDICAL ACOUSTICS (BA)

Ultrasound-Mediated Neuromodulation
Organized by: Parag V. Chitnis

Wave Propagation in Complex Media: From Theory to Applications
(Joint with Structural Acoustics and Vibration and Physical Acoustics)
Organized by: Guillaume Haiat, Pierre Belanger

ENGINEERING ACOUSTICS (EA)

Thermophone Transduction
Organized by: Thomas R. Howarth, Andrew R. Barnard

EDUCATION IN ACOUSTICS (ED)

Hands-On Acoustics Demonstrations for Middle- and High-School Students
Organized by: Keeta Jones, Traci Neilsen

Listen Up and Get Involved
(Joint with Women in Acoustics)
Organized by: Keeta Jones, Traci Neilsen

DESCRIPTIVE SENTENCES

Acoustical environment, soundscapes, annoyance, benefits, regulations, and cultural/economic issues resulting from entertainment in communities. Current work, case studies, methods, and measuring for controlling indoor and outdoor entertainment sound in communities

Perceptual aspects and evaluation of diffuse sound fields and diffusely reflecting surfaces

All aspects of acoustics for design and renovation of spaces for modern music performance, such as rock, jazz, country, and pop

The sound environment of a dining place, either indoor or outdoor affects the atmosphere, the appetites and the joyfulness of the diners. It also relates to the occupational health of the workers at the restaurant. This session invites views and experience sharing

Speech intelligibility prediction and measurement in reverberation and noise in rooms ranging from video conference to sports arenas

Challenges of planning, designing, retrofitting , implementing and /or qualifying speech "privacy" in open spaces. May include open office spaces, as well as healthcare spaces such as pharmacies, reception areas, nurse's stations and call centers

Novel ultrasound-based approaches for noninvasively stimulating or suppressing activity in central or peripheral nervous system; Mechanistic studies of interaction between ultrasound and the nervous system

The understanding of the interaction between an acoustic wave and a complex medium is an important problem in various applications such as nondestructive evaluation or biomedical ultrasound. This session will focus on experimental issues as well as on modeling and simulation works, including the development of inversion procedures

Ongoing research about acoustic transduction devices featuring devices that convert heat to sound

Acoustics demonstrations for middle- and high-school students. Anyone interested in volunteering to lead a demonstration should email the ASA Education and Outreach Coordinator, Keeta Jones <kjones@acousticalsociety.org>. A short training session will be provided for volunteers just prior to the session. No abstracts are submitted for this session

Acoustic demonstrations for local Girl Scouts troupes. Anyone interested in volunteering to lead a demonstration should email the ASA Education and Outreach Coordinator, Keeta Jones <kjones@acousticalsociety.org>. A short training session will be provided for volunteers just prior to the session. No abstracts are submitted for this session

EDUCATION IN ACOUSTICS (ED) (continued)

Synthetic Aperture Sonar for Youngsters
(Joint with Physical Acoustics, Signal Processing in Acoustics,
Engineering in Acoustics and Underwater Acoustics)
Organized by: Murray Korman

Undergraduate Research Exposition
Organized by: Preston S. Wilson, Murray S. Korman

INTERDISCIPLINARY (ID)

ASA Hunt Postdoctoral Research Fellows: Through the Years
Organized by: Logan E. Hargrove, Lily M. Wang

Guidance from the Experts: Applying for Grants and Fellowships
(Joint with Student Council)
Organized by: Ela Warnecke, Martin Lawless

Standards: Practical Applications in Acoustics
(Joint with ASA Committee on Standards)
Organized by: Christopher J. Struck, Robert D. Hellweg,

MUSICAL ACOUSTICS (MU)

Cajun Music: Accordions, Culture, and History
Organized by: James P. Cottingham

Marching Band Instruments
Organized by: Murray Campbell, Thomas Moore

Measurement Methods and Instrumentation for Musical Acoustics
Organized by: Wilfried Kausel, Thomas Moore

New Orleans Musical Styles
Organized by: Edgar Berdahl

NOISE (NS)

Acoustics and its Role in Accessibility (e.g. Americans with
Disabilities Act)
(Joint with Architectural Acoustics, Speech Communication,
Psychological and Physiological Acoustics, and ASA Committee
on Standards)
Organized by: David A. Manley

Evaluation of Acoustics in Hospitals and Healthcare Facilities
(Joint with Architectural Acoustics and ASA Committee on
Standards)
Organized by: Jay Bliefnick, Jonathan Weber

Jet Aeroacoustics
(Joint with Physical Acoustics)
Organized by: Kent Gee, Alan Wall

DESCRIPTIVE SENTENCES

Presentation of Synthetic Aperture Sonar or air acoustic imaging in a way that would be useful to motivate young people and get them involved. Could include questions about how to effectively teach acoustic imaging to young people could be addressed, demos or visualizations of certain interesting aspects of acoustic imaging could be presented

Special poster session for undergraduate students to present their research pertaining to any area of acoustics. 4 awards, up to \$500 each, will be made to help undergraduates with travel costs associated with attending the meeting and presenting a poster. Undergraduate student must be listed as first author. See Call for Papers for full details

Poster session in celebration of the 40th anniversary of the ASA Frederick V. Hunt Postdoctoral Research Fellowship in Acoustics program, highlighting the career paths of past Hunt fellows

The Panel will include successful fellowship winners, selection committee members, and fellowship agency members organized by the Student Council. The panelists will briefly introduce themselves and answer questions regarding grant and fellowship opportunities and application advice

Papers describing diverse applications in acoustics and the role a particular standard or standards played in it

Studies of Cajun music and culture with emphasis on role of accordion

Acoustics of musical instruments which have been used in military and civilian marching bands from all periods and cultures

New methods and instrumentation for the assessment of characteristics and quality related parameters of musical instruments and rooms as well as for applications in performance science

The role of acoustics on the creation of New Orleans musical styles

Discussions of ADA acoustical requirements for public assembly spaces, expansion of assisted listening to additional types of spaces, challenges and successes implementing both existing (IR, RF) and new technologies such as hearing loop systems

Evaluation of hospital and healthcare acoustics and the impact on occupants

Hearing protection, community noise, and acoustic fatigue of structures all benefit from the characterization and reduction of jet aeroacoustic noise

NOISE (NS) (continued)

Urban Planning Using Soundscape
(Joint with ASA Committee on Standards)
Organized by: David S. Woolworth, Brigitte Schulte-Fortkamp

Wind Turbine Noise
(Joint with ASA Committee on Standards, Structural Acoustics
and Vibration)
Organized by: Nancy Timmerman, Paul D. Schomer

PHYSICAL ACOUSTICS (PA)

Acoustofluidics
(Joint with Biomedical Acoustics)
Organized by: Max Denis, Charles Thompson

Acoustics of Detecting Gravitational Waves using LIGO
(Joint with Engineering Acoustics, Structural Acoustics and
Vibration and Signal Processing in Acoustics)
Organized by: Josh R. Gladden, Kenneth Gilbert

Nonlinear Elasticity in Geomaterials
(Joint with Structural Acoustics and Vibration)
Organized by: Marcel Remillieux, Pierre-Yves Le Bas

Sound Used as an Investigative Tool for Industrial Solutions
Organized by: Gabriela Petculescu

30th Anniversary of the National Center for Physical Acoustics
Organized by: Richard Raspet, Craig Hickey, Joseph R. Gladden

SIGNAL PROCESSING IN ACOUSTICS (SP)

Detection, Classification, Localization and Tracking (DCLT) Using
Acoustics (and Perhaps Other Sensing Modalities)
(Joint with Underwater Acoustics)
Organized by: Ballard Blair, R. Lee Culver

Signal Processing in Acoustic Metamaterials
(Joint with Structural Acoustics and Vibration and Physical
Acoustics)
Organized by: Jeff Rogers, Matthew Guild

Signal Processing Methods Exploiting the Information Content
Provided by Sources of Opportunity
(Joint with Underwater Acoustics, Acoustical Oceanography,
and Animal Bioacoustics)
Organized by: Kay L. Gemba

Source Tracking with Microphone/Hydrophone Arrays
(Joint with Underwater Acoustics and Engineering Acoustics)
Organized by: Kainam Thomas Wong, Siu Kit Lau

DESCRIPTIVE SENTENCES

Techniques and case studies of urban planning informed by soundscape techniques and in integrating local experts

Wind turbine noise is one of the inevitable problems for clean energy policy. The essential issues such as characteristics of noise itself and the effective evaluation method would be candidates for discussion

Background to the fundamental physics in microfluidics and the application to the excitation of acoustic fields for ultrasonic cell and particle manipulation

The gravitational wave (GW) special session described the physics and engineering of W detection for a general acoustics audience. The session features three invited speakers who will cover topics that include: the physics of GW generation by astrophysical sources; the remarkable fidelity of the waves on their journey across the Cosmos; the vibration isolation and signal processing that are crucial for GQ detection on Earth; and the future science that present and future generations of GW detectors may enable

Because of their internal structure made of hard grains and soft bonds, geomaterials, and rocks, in particular, exhibit a nonlinear elastic behavior. This session is aimed at exposing the latest experimental and modeling results on this topic

When changes in material (solid, fluid) properties due to intrinsic or extrinsic effects affect sound propagation significantly, the result can be used towards decisions impacting safety or/and cost. How physical processes interact with the acoustic field to make sound an effective investigative tool, is the point of the session.

Historical talks on research conducted over the past 30 years at NCPA with a focus on the evolution of research areas and people NCPA has touched

Novel signal processing approaches to DCLT problems involving acoustics. Possible applications include bi-static or multi-static geometries, acoustic color, automation, small aperture methods, high clutter scenarios, and non-stationary target and noise statistics

Recent advances in acoustic meta materials has given rise to new modalities of sensing leading to potentially novel methods of signal processing

Signal processing solutions using opportunistic sources to extract parameters of interest. Possible examples of uncontrolled sources include but are not limited to vocalizing marine mammals, ship noise, natural noise, and structures (or any object with an uncontrolled radiating or modulating process). The acoustic energy provided by these objects could be exploited to extract parameters associated with the environment or other sources of interest

Microphone and hydrophone arrays are used to adaptively track a source or target reflector. Session covers the signal processing methods and implementations employed as well as field experimentation and at sea tests that serve to validate the methods

SPEECH COMMUNICATION (SC)

Articulatory and Acoustic Characteristics of Nasalization
Organized by: Liran Oren

Teaching Phonetics and Speech Science in the New Millennium:
Challenges and Opportunities
(Joint with Education in Acoustics)
Organized by: Catherine L. Rogers, Benjamin V. Tucker

The Southern States: Social Factors and Language Variation
Organized by: Wendy Herd, Irina Shport

STRUCTURAL ACOUSTICS AND VIBRATION (SA)

Acoustic Metamaterials
(Joint with Physical Acoustics and Signal Processing in Acoustics)
Organized by: Christina J. Naify, Michael R. Haberman

Standards in Structural Acoustics and Vibration
(Joint with ASA Committee on Standards)
Organized by: Benjamin Shafer

Structural Acoustics and Vibration Applications of Finite Element
Analysis, Boundary Element Analysis, and Statistical Element
Analysis Computational Methods
Organized by: James E. Phillips, Elizabeth Magliula

UNDERWATER ACOUSTICS (UW)

Seagrass and Macroalgae Acoustics
Organized by: Jean-Pierre Hermand, Preston S. Wilson

Sediment Characterization Using Direct and Inverse Techniques
(Joint with Acoustical Oceanography, Physical Acoustics, and
Signal Processing in Acoustics)
Organized by: David P. Knobles, Preston S. Wilson

Session in Honor of Chester McKinney
Organized by: Thomas Muir, Clark S. Penrod

DESCRIPTIVE SENTENCES

Research on structures and movements that contribute to nasalization

The new millennium has ushered in vast changes in university funding, course delivery and student profiles; this session will address current and emerging trends in teaching, how they may be adapted to the teaching of phonetics and speech science, and the special challenges and opportunities presented to new and established university teachers

Research that examines the influence of ethnicity, gender, region and other factors on the perception and production of sound patterns in the U.S. South, including questions pertaining to language contact and multi-dialectalism

Theoretical and computational analysis of new metamaterial structures, experimental validation, and characterization of prototype unit cells or bulk materials, and demonstrations of the uses for acoustic metamaterials

Focus on the current standard structural acoustics and vibration-related testing/metrics methodology and calculation, as well as new and innovative standard methods for measuring and characterizing sound and vibration

Advances, practical applications, and case studies in the use of Finite Element Analysis, Boundary Element Analysis, and Statistical Energy Analysis for the prediction and control of structural acoustics interactions and vibration

Physics of sound interaction with seagrasses and macroalgae across multiple spatial scales, from the cell to the tissue to the plant to the ecosystem

Characterization of sediment acoustical properties using both direct and indirect techniques

Honors the late Chester McKinney and his contributions to underwater acoustics research, scientific and engineering leadership, development of U.S. Navy sonar, directorship of the Applied Research Laboratories at the University of Texas, and service to the Society, including serving as President and receiving the Society's Gold Medal

UNDERGRADUATE RESEARCH EXPOSITION

The 2017 Undergraduate Research Exposition is a forum for undergraduate students to present their research pertaining to any area of acoustics and can also include overview papers on undergraduate research programs, designed to inspire and foster growth of undergraduate research throughout the Society. It is intended to encourage undergraduates to express their knowledge and interest in acoustics and foster their participation in the Society. The Exposition is a special poster session sponsored by Education in Acoustics. To participate, a student must submit an abstract by the deadline as outlined in this Call for Papers and specify that it is for the special session entitled "Undergraduate research exposition." The student must be the first author of the abstract and present the poster at the meeting. Students currently enrolled as undergraduates in a college or university, or those who have completed their undergraduate degree in 2017 are invited to submit an abstract and present a poster in this session. Four awards, up to \$500 each, will be made to help undergraduates with travel costs associated with attending the meeting and presenting a poster. Awards will be presented by check at the Exposition. Applicants for these awards should submit a brief request for support that includes an estimate of their travel expenses, a copy of their abstract, and a 1-page resume by e-mail to Preston Wilson at pswilson@mail.utexas.edu by 15 August. Recipients will be notified by 15 September.

OTHER TECHNICAL EVENTS AND INFORMATION

TECHNICAL TOUR

A walking tour of recently renovated performing arts spaces of the New Orleans Theater District will be held on Monday, December 4, from 1:00 pm to 3:30 pm. The tour will explore the three grand theaters of New Orleans, the Orpheum, Saenger and Joy, examining their histories and restorations. The Orpheum Theater opened in 1921 as a vaudeville venue and is an example of "vertical hall" construction initially built to provide perfect sight lines and acoustics. The Orpheum was acquired and renovated by the New Orleans Philharmonic Symphony Orchestra in the 1980's, and later became the home of the Louisiana Philharmonic Orchestra (LPO). Severely damaged in 2005 by Hurricane Katrina, the renovated theater reopened in 2015 with state of the art sound and lighting systems. The Saenger Theatre was built in 1927 in an Italian Renaissance style and was the flagship theatre for the Saenger chain that ran throughout the southern US. The Saenger was also severely damaged by Hurricane Katrina and reopened 2013 after a \$53 million restoration project. It has state of the art building and technical systems including an expanded theatre stage house. The Joy Theater opened in 1947 as one of the four premier movie houses in the city and was a symbol of the economic boom in post-World War II America. It closed in 2003 due to competition from modern multiplex theaters. After renovation, which preserved its original art-deco style, the Joy reopened in 2011 as a multipurpose performing arts center. The group will leave from the Marriott Hotel lobby at 12:45, and walk five blocks along Canal St. to the theater district. In case of inclement weather, transportation will be provided. The cost is USD \$20 and is limited to 40 participants.

OPEN MEETINGS OF TECHNICAL COMMITTEES

Technical Committees will hold open meetings on Tuesday, Wednesday, and Thursday evenings. These are working, collegial meetings. Much of the work of the ASA is accomplished by actions that originate and are taken in these meetings including proposals for special sessions, workshops, and technical initiatives. All meeting participants are cordially invited to attend these meetings and to participate actively in the discussions.

HOT TOPICS

A "Hot Topics" session sponsored by the Tutorials, Short Courses, and Hot Topics Committee will cover the fields of Underwater Acoustics, Architectural Acoustics, and Noise.

PROCEEDINGS OF MEETINGS ON ACOUSTICS (POMA)

All authors of New Orleans meeting papers are encouraged to submit a pdf manuscript to ASA's Proceedings of Meetings on Acoustics (POMA). Things to note:

- There is no publication fee, but presentation of the paper at the meeting is mandatory.
- POMA does not have a submission deadline. Authors may submit manuscripts before or after the meeting; note, however, that review will not take place until after the meeting.
- POMA has new Word and LaTeX manuscript templates and cover pages are now generated automatically at the time of publication.
- Published papers are being both indexed in scholarly venues and highlighted on Twitter and Facebook.
- Visit <http://asa.scitation.org/pma/authors/manuscript> for additional information, including recent changes to the manuscript preparation/submission process.

ITINERARY PLANNER, MOBILE APP AND MEETING PROGRAM

An itinerary planner and mobile app will be available for the New Orleans meeting. A complete meeting program will be mailed as Part 2 of the November issue of JASA. Abstracts will be available on the ASA webpage <<http://AcousticalSociety.org>> in November.

ABSTRACT SUBMISSION GUIDELINES

An abstract of not more than 200 words is required for each paper, whether invited or contributed. **Abstracts longer than 200 words will be truncated.** Authors must submit abstracts online (see page 20).

ABSTRACT SUBMISSION GUIDELINES

All abstracts must be submitted by 10 July 2017. This deadline will be strictly enforced. Abstracts submitted via postal mail or e-mail will not be accepted. Abstracts will be rejected if they do not comply with the instructions.

Authors should be prepared to accept assignment to lecture or poster sessions.

Authors of invited papers must indicate the title of the special session in which they have been invited to participate at the time the abstract is submitted.

Authors of contributed papers may request placement of their abstracts in special sessions. The request will be honored, if possible, but there is no guarantee such abstracts will be scheduled in the requested sessions.

If no special session placement is requested, contributed papers will be scheduled in sessions with abstracts of similar technical content.

ABSTRACT DISCLOSURE STATEMENTS

Authors will be asked to answer the following questions during the submission process:

- Compliance with ethical principles
- Confirmation that all authors are aware of and agree with the submission of abstracts on which their names appear
- Whether or not they are interested in having their abstract presentation broadcast live over the internet and/or recorded for later broadcast.

ABSTRACT LIMITATIONS

● A contributor in Speech Communication may be the principal author of only one paper, and, subject to time and space limitations, may be the co-author of only one additional paper. Authors contributing papers in Speech Communication are also encouraged to select poster-style presentation.

● Contributed papers in Psychological and Physiological Acoustics and Underwater Acoustics may be scheduled for lecture or poster presentation.

● While authors may indicate a preference for presentation style, it may not always be possible to honor the request. Authors should be prepared to accept assignment of their abstracts to either lecture or poster presentation.

ACKNOWLEDGMENT OF RECEIPT OF ABSTRACTS SUBMITTED ONLINE

Corresponding authors will receive an e-mail message confirming that their abstracts have been received. Acceptance notices will be sent to authors in August.

ASA BEST PAPER AWARDS FOR STUDENTS AND YOUNG PRESENTERS

The ASA Technical Committees on Acoustical Oceanography, Animal Bioacoustics, Architectural Acoustics, Biomedical Acoustics (spring meeting only), Engineering Acoustics, Musical Acoustics, Noise, Signal Processing in Acoustics, Speech Communication, Structural Acoustics and Vibration, and Underwater Acoustics offer Best Paper Awards to students or young presenters who present papers at meetings. Authors need not be members of ASA to qualify. **If you want your paper to be considered for an award, you must indicate this when you submit your abstract.** Please read the entry qualifications to be sure that you are eligible and follow the instructions for entering the individual Technical Committee competitions that appears on page 21.

AUDIO-VISUAL AND SPECIAL EQUIPMENT AND SOFTWARE

AUDIO-VISUAL EQUIPMENT

PC computers with monaural audio playback capability, computer projectors, and laser pointers will be provided in all lecture sessions. All other equipment is considered to be special equipment. Refer to the "Special Equipment" section below for additional information. Note that Mac computers will not be provided.

SPECIAL EQUIPMENT, COMPUTER EQUIPMENT, AND SOFTWARE

Any equipment other than PC computers with monaural audio playback capability, computer projectors, and laser pointers is "special equipment." Requests for special equipment (e.g., stereo sound playback, special speakers) must be specified at the time of abstract submission. Provision of unusual special equipment will depend upon availability and cost. Special software requests should also be made, if required.

Please be specific about your audio needs, including number of channels and preferred loudspeaker arrangement.

POSTER SESSION BOARDS

Poster boards and fastening materials will be provided. Poster boards are 8 ft. wide by 4 ft. high.

PROJECTION GUIDELINES FOR AUTHORS

A PC computer with stereo playback capability and projector will be provided in each meeting room on which all authors who plan to use computer projection will load their presentations. Authors should bring computer presentations on a USB drive to load onto the provided computer and should arrive at the meeting rooms at least 30 minutes before the start of their sessions. Authors also have the option to connect their own laptops to the computer projector, however authors using their own laptops must also arrive at the meeting room at least 30 minutes before start of the session to setup this connection. Assistance in loading presentations onto the computers and switching to alternate computers will be provided.

If you utilize your own computer for your presentation you should bring copies of your presentation materials on a USB drive as a backup. This may solve any possible interface or cable problems between your computer and the projector.

Note that only PC format will be supported so authors using Macs must save their presentations for projection in PC format. Also, authors who plan to play audio during their presentations should ensure that their sound files are also saved on the USB drive.

Guidelines for use of computer projection will be supplied with acceptance notices.

AUDIO/VISUAL PREVIEW ROOM

Computer presentations can be reviewed by authors in the audio/visual preview room at the meeting. Separate computers will be made available in this room for accessing email.

TUTORIAL LECTURE ON INFRASOUND PHENOMENOLOGY, PROPAGATION, AND DETECTION

A tutorial on “Infrasound Phenomenology, Propagation and Detection” will be presented by Roger M. Waxler of the National Center for Physical Acoustics, University of Mississippi, on Monday, 4 December at 7:00 p.m.

ABSTRACT

Infrasound is generally understood to refer to acoustic disturbances in the atmosphere in frequency bands below the threshold of human hearing, but above the frequencies at which internal gravity waves propagate. The infrasonic band is nominally taken to be 0.05 Hz up to about 20 Hz. Infrasonic signals tend to be generated by large, violent events and propagate efficiently in sound ducts formed by wind jets and temperature gradients in the middle and upper atmosphere. Infrasonic signals can be detected at very large distances from the source, sometimes even globally. This tutorial will present an overview of the generation of infrasound by both natural and anthropomorphic sources and of the subsequent propagation and detection of infrasonic signals. Two particular sources will be discussed in detail: the signal generated by a large explosion and the so-called microbarom signal generated by colliding ocean waves. Signal propagation through the atmosphere will then be discussed. Available open source infrasound propagation packages and their use will be introduced, the significant atmospheric sound ducts will be identified, and the difficulties inherent in modeling propagation through a dynamic atmosphere will be emphasized. The current state and availability of atmospheric specification will be touched upon. Finally, the use of array processing for the extraction of infrasonic signals from the pressure fluctuations inherent to a turbulent atmosphere will be discussed.

LECTURE NOTES

Lecture notes will be available at the meeting in limited supply. Those who register by 6 November 2017 are guaranteed receipt of a set of notes.

TUTORIAL LECTURE PREREGISTRATION

To partially defray the cost of the lecture, a registration fee is charged. The fee is USD \$15 for registration received by 6 November 2017 and USD \$25 thereafter including on-site registration at the meeting. The fee for students with current ID cards is USD \$7 for registration received by 6 November 2017 and USD \$12 thereafter, including on-site registration at the meeting. Register online at <http://AcousticalSociety.org> or use the registration form on page 19 to register for the Tutorial Lecture.

SHORT COURSE ON ULTRASOUND CONTRAST AGENTS

INTRODUCTION

Ultrasound contrast agents (UCA) have expanded the effectiveness and utility of ultrasound in medicine. These agents predominantly consist of gas bodies coated with a biocompatible shell that stabilizes the core from dissolution and serves as a platform for linking biomolecules that facilitate agent binding to specific cells. Originally intended for improving contrast in diagnostic ultrasound images, these nonlinear oscillators have enabled a broad spectrum of exciting therapeutic applications, such as drug delivery to the brain and enhancing the potency of cancer radiotherapy. This course will cover the various formulations of UCA, experimental and theoretical approaches for studying their response to acoustic excitation, and the variety of biomedical applications that benefited from their development.

OBJECTIVE

The objective of this course is to provide scholars with a solid foundation for formulating, characterizing, and utilizing their own UCA. First, we will review the various chemistries and strategies employed for producing UCA. This will be followed by a discussion on the theoretical and experimental methods used to characterize the nonlinear dynamics of UCA. Last, we will review the array of applications that have leveraged the nonlinear dynamics of UCA, ranging from harmonic (nonlinear) imaging to transient disruption of the blood-brain barrier.

INSTRUCTOR

Tyrone Porter is an Associate Professor in the Departments of Mechanical Engineering and Biomedical Engineering and the Division of Materials Science and Engineering at Boston University. Dr. Porter earned a bachelor's degree in Electrical Engineering from Prairie View A&M University in Texas and completed his doctoral studies in the Department of Bioengineering at the University of Washington. He was awarded the Frederick V. Hunt Postdoctoral Fellowship and the R. Bruce Lindsay award from the Acoustical Society of America in 2003 and 2008, respectively. In 2017, Dr. Porter was elected a Fellow of the ASA. Dr. Porter founded the Nanomedicine and Medical Acoustics Laboratory (NanoMedAL) at BU with the goal of integrating chemistry, biology, and physics to engineer novel stimuli-responsive particles for medical applications. Since establishing the lab, his group has produced monodisperse phospholipid-based ultrasound contrast agents using microfluidic platforms and characterized their nonlinear response to acoustic excitation. More recently, the group has begun to leverage the nonlinear response of UCA for ultrasound-mediated drug delivery to the brain.

PROGRAM

Sunday, 3 December 2017, 1:00 p.m. to 5:00 p.m.

Monday, 4 December 2017, 8:30 a.m. to 12:30 p.m.

REGISTRATION

The full registration fee is USD \$300 (USD \$125 for students) and covers attendance, instructional materials and coffee breaks. The number of attendees will be limited so please register early to avoid disappointment. Only those who have registered by 6 November 2017 will be guaranteed receipt of instruction materials. There will be a USD \$50 discount off the full registration fee (discount does not apply to student fee) for registration made prior to 6 November 2017. Full refunds will be made for cancellations prior to 6 November 2017. Any cancellations after 6 November 2017 will be charged a USD \$25 processing fee. Register online at <http://AcousticalSociety.org> or use the form on page 19. If you miss the preregistration deadline and are interested in attending the course, please send an email to asa@acousticalsociety.org.

FUNDING OPPORTUNITIES

STUDENT TRANSPORTATION SUBSIDIES

A student transportation subsidies fund has been established to provide limited funds to students to partially defray transportation expenses to meetings. No reimbursement is intended for the cost of food or housing. The amount granted each student depends on the number of requests received. To apply for a subsidy, submit a proposal by e-mail to be received by 6 November 2017 to: Jolene Ehl, jehl@acousticalsociety.org. The proposal should include your status as a student; whether you have submitted an abstract; whether you are a member of ASA; method of travel.

YOUNG INVESTIGATOR TRAVEL GRANTS

The Committee on Women in Acoustics (WIA) is sponsoring a Young Investigator Travel Grant to help with travel costs associated with presenting a paper at the New Orleans meeting. Young professionals who have completed their doctorate in the past five years are eligible to apply if they plan to present a paper at the New Orleans meeting, are not currently students, and have not previously received the award. Each award will be of the order of \$500 with four awards anticipated. Awards will be presented by check at the WIA luncheon at the meeting. Both men and women may apply. Applicants should submit a request for support, a copy of the abstract for their presentation at the meeting, and a current resume/vita which includes information on their involvement in the field of acoustics and in the ASA. Submit materials by e-mail to Elin Roverud <emroverud@gmail.com>. Deadline for receipt of applications is 2 October.

DEPENDENT CARE SUBSIDIES

The Committee on Women in Acoustics (WIA) is sponsoring a Dependent Care Subsidy to help with dependent care costs associated with attending the New Orleans meeting. Meeting attendees are eligible to apply if they plan to present a paper at the New Orleans meeting or hold a leadership position in ASA. Each subsidy will be of the order of \$500 with four awards anticipated. Both men and women may apply. Applicants should submit a paragraph describing how the funds would assist their dependent care expenses, a copy of the abstract for their presentation at the meeting and/or a paragraph describing their leadership position in ASA. Submit materials by e-mail to Simone Graetzer <s.graetzer@liverpool.ac.uk>. Deadline for receipt of applications is 2 October.

STUDENT ACTIVITIES

STUDENT ORIENTATION AND MEET AND GREET

A New Students Orientation will be held from 5:00 p.m. to 5:30 p.m. on Monday, 4 December, for all students to learn about the activities and opportunities available for students at the New Orleans meeting. This will be followed by the Student Meet and Greet from 5:30 p.m. to 6:45 p.m. where refreshments and a cash bar will be available.

STUDENTS' RECEPTION

The Students' Reception will be held on Wednesday, 6 December, from 6:00 p.m. to 8:00 p.m. This reception, sponsored by the Acoustical Society of America and supported by the National Council of Acoustical Consultants, will provide an opportunity for students to meet informally with fellow students and other members of the Acoustical Societies of America and Japan. All students are encouraged to attend, especially students who are first time attendees or those from smaller universities.

STUDENTS MEET MEMBERS FOR LUNCH (SMMfL)

A student in the SMMfL program meets one-on-one with an ASA member over lunch during the ASA meeting. The purpose is to encourage students, as they embark on their acoustical careers, to network with more senior members. Each lunch pairing is arranged to ensure a good match between the student's and member's acoustical interests. Each participant pays for his/her own meal. Students who wish to participate should check the SMMfL check box in the on-line pre-registration form. They will be contacted later for additional information to assist with the matching process. The Students Meet Members for Lunch program is sponsored by the Committee on Education in Acoustics.

OTHER INFORMATION FOR STUDENTS

Students are also encouraged to visit the official ASA Student Home Page at <http://asastudentcouncil.org/>.

PLENARY SESSION, AWARDS CEREMONY, SOCIAL EVENTS, LUNCHEONS

PLENARY SESSION AND AWARDS CEREMONY

The ASA Plenary session will be held Wednesday afternoon, 6 December, where Society awards will be presented and recognition of newly-elected Fellows will be announced.

SOCIAL HOURS

Two socials with complimentary buffets and cash bars will be held on Tuesday and Thursday, 5 and 7 December at the New Orleans Marriott Hotel.

The ASA hosts these social hours to provide a relaxing setting for meeting attendees to meet and mingle with their friends and colleagues as well as an opportunity for new members and first-time attendees to meet and introduce themselves to others in the field. A second goal of the socials is to provide a sufficient meal so that meeting attendees can attend the open meetings of the Technical Committees that begin immediately after the socials.

WOMEN IN ACOUSTICS LUNCHEON

The Women in Acoustics luncheon will be held on Wednesday, 6 December. The fee is USD \$25 (students USD \$15) for pre-registration by 6 November 2017 and USD \$30 (students USD \$15) at the meeting. Those who wish to attend this luncheon must register online at <http://AcousticalSociety.org> or use the form on page 19.

SOCIETY LUNCHEON AND LECTURE

A Society Luncheon and Lecture sponsored by the College of Fellows will be held Thursday, 7 December, at 12:00 noon. This luncheon is open to all attendees and their guests. Our speaker will be Gabriela González, Professor of Physics and Astronomy at Louisiana State University. Dr. González is a founding member of the Laser Interferometer Gravitational-Wave Observatory (LIGO) Scientific Collaboration and serves as the spokesperson for the group. The title of her talk is "Listening to the Universe with Gravitational Waves." In 2015, one hundred years after Einstein's unveiling of general relativity, the LIGO detectors picked up a faint chirp signal, the result of the merging of two black holes over one billion years ago. This marked the first direct detection of the ripples of space-time predicted by Einstein's theory. Dr. Gonzalez's research deals with the characterization of noise in the supremely sensitive LIGO system. She is a fellow of three professional societies, and the recipient of numerous awards in Physics and Astronomy. Register online at AcousticalSociety.org or use the form on page 19. Tickets cost USD \$30.00 each.

JAM SESSION

Once again the College of Fellows will be hosting the ASA Jam Session. Bring your axe, horn, sticks, voice, or anything else that makes music. Musicians and non-musicians are all welcome to attend. A full PA system, backline equipment, guitars, bass, keyboard, and drum set will be provided. All attendees will enjoy live music, a cash bar, and all-around good times. Don't miss out.

HUNT FELLOWSHIP RECOGNITION AND FUND RAISING INITIATIVE

The Hunt Fellowship has been an outstanding feature of the Acoustical Society Foundation for 40 years. Recipients of the Fellowship have made major contributions to acoustical science and service to the Society. An event to commemorate and celebrate this anniversary is being planned for the New Orleans ASA meeting in the fall of 2017. In conjunction with this celebration, the Foundation, with support of the Executive Council, is initiating a fund raising campaign to support Early Career Awards for development of talent within the Society. Details of the Hunt Recognition event and fund raising campaign are underway and further information will follow.

TRANSPORTATION AND TRAVEL INFORMATION

AIR TRANSPORTATION

The Louis Armstrong New Orleans International Airport, (Airport Code MSY) is served by 15 international and domestic airlines. For further information visit www.flymsy.com. The airport is approximately 16 miles from the New Orleans Marriott, at the boundary of the French Quarter and the Central Business District.

GROUND TRANSPORTATION

Taxi: Taxicab booths are located on the first level of the Terminal outside of Baggage Claim Belts 1 and 14. Passengers must wait in line at one of these booths for taxi service. Taxi rides cost \$36.00 from the airport to the Central Business District (CBD) and French Quarter for up to two passengers. For three or more passengers, the fare will be \$15.00 per passenger. Taxis are required accept credit card payments.

Airport Shuttle: Shuttle service is available from the airport to hotels and various other locations in the New Orleans for \$24.00 (per person, one-way) or \$44.00 (per person, round-trip). These fares include three (3) bags per person. Additional baggage may be subject to additional fees. Passengers can purchase tickets at the airport at Airport Shuttle ticket booths located on the first level throughout the Baggage Claim area. Those needing Wheelchair-Accessible Service should also call 1-866-596-2699 for assistance. Visit www.airportshuttleneworleans.com for more information.

Car Rental: Nine car rental agencies serve the airport. To get to the Consolidated Rental Car Facility, walk to the West Terminal Baggage Claim (Claims 12-14) and proceed outside the building. To the right is a covered walkway leading to the customer service building. Passengers with special needs should contact MVI Field Services at (615) 318-3108.

Driving from the airport to the Marriott, take Airport Rd to I-10 E. From I-10, take Exit 234B (Poydras St., Superdome) and continue on to Poydras St. Take Poydras 0.9 mi and turn left onto Camp St. Continue on Camp St. 0.2 mi to Canal St. At the Canal St. intersection, the hotel will be directly across to the right. Turn right onto Canal St. and make a U-turn just past the hotel to get to the parking garage.

DRIVING DIRECTIONS/PARKING INFORMATION

New Orleans is at the intersection of Interstate 55 from the north and Interstate 10 from the east and west. It can be reached by car in 8 hours or less from Atlanta, GA, Jacksonville, FL, Dallas, TX, Austin, TX, and Nashville, TN.

Travelers to the Central Business District from north will eventually encounter Interstate 10.

Westbound on I-10: take Exit 235B (Canal St., Superdome) and stay straight on Derbigny St. At the traffic light turn right onto Canal St. The Marriott is 0.9 mi down Canal St. on the left. Do a U-turn just past the hotel to get to the parking garage.

Eastbound on I-10: Take Exit 234B (Poydras St., Superdome) and continue on to Poydras St. Take Poydras St. 0.9 mi and turn left onto Camp St. Continue on Camp St. 0.2 mi to Canal St. At the Canal St. intersection, the hotel will be directly across to the right. Turn right onto Canal St. and make a U-turn just past the hotel to get to the parking garage.

From the South: Follow the West Bank Expressway across the Mississippi River into downtown New Orleans and exit at Camp Street. Continue on Camp Street for 0.8 mi to Canal Street. At the Canal St. intersection, the hotel will be directly across to the right. Turn right onto Canal St. and make a U-turn just past the hotel to get to the parking garage.

Hotel parking is \$47.56/day, \$19 for up to 6 hours, and \$24 for 6 to 10 hours.

HOTEL RESERVATION INFORMATION

A block of guest rooms at discounted rates has been reserved for meeting participants at the New Orleans Marriott Hotel. **Early reservations are strongly recommended.** Special ASA meeting rates are not guaranteed after **Friday, 10 November 2017 5:00 p.m. CST**. You must mention the Acoustical Society of America when making your reservations to obtain the special ASA meeting rates.

**New Orleans Marriott
555 Canal Street, New Orleans, Louisiana 70130-2349**

Please make your reservation directly with the New Orleans Marriott. Online reservations are recommended.

HOTEL POLICIES

- All reservations must be accompanied by a first-night's room deposit or guarantee with a major credit card.
- Check in time: 4:00 p.m./Check out time: 11:00 a.m.
- Early Departure Fee (charged when guest checks out prior to the reserved check out date): USD \$191.00. To avoid this charge inform the hotel before or at check-in if you plan to change your check-out date.
- Deposit refunds: Room deposits are refundable up to 72 hours in advance of event date.
- Reservations in ASA group: Complimentary internet access in sleeping rooms.

RESERVATION PROCEDURES

Online Reservations

Reservations can be made directly online at the website listed below, which has been set up specifically for the meeting where the meeting rates and all applicable information is incorporated.

<https://aws.passkey.com/e/49105528>

Telephone Reservations

Online reservations are recommended. If you must make reservations by phone, it is strongly recommended that callers dial the hotel directly rather than the toll-free reservations number. When making reservations by phone you must mention the Acoustical Society of America or **group code Acoustical Society** to obtain the special ASA room rates:

+800-654-3990 (international operator)

ROOM RATES

Single: USD \$181 / Double: USD \$201

Taxes and Fees:

14% + \$3 occupancy tax

New Orleans Convention and Visitors Bureau assessment: 1.75% per room, per night

Rates will be offered, based on availability, 3 days before and 3 days after the meeting dates

Reservation cut-off date: 10 November 2017 at 5:00 p.m. CST

GENERAL INFORMATION

ROOM SHARING

ASA will compile a list of those who wish to share a hotel room and its cost. To be listed, send your name, telephone number, e-mail address, gender, smoker or nonsmoker preference, not later than 6 November 2017 to the Acoustical Society of America, by e-mail, asa@acousticalsociety.org. The responsibility for completing any arrangements for room sharing rests solely with the participating individuals.

COMMITTEE MEETINGS

Meetings of Administrative, Technical and Standards Committees, including Working Groups, will be announced in the meeting program if requests are received not later than 10 July 2017. Requests for meeting space, special luncheons, etc., should be made as early as possible to: Jolene Ehl, asa@acousticalsociety.org. Reservations will not be taken by phone. Requesters should note that space is limited, and that late requests can be filled only on a space-available basis.

ASSISTIVE LISTENING DEVICES

Anyone planning to attend the meeting who will require the use of an assistive listening device, is requested to advise the Society in advance of the meeting: Acoustical Society of America, 1305 Walt Whitman Road, Suite 300, Melville, NY 11747-4300, asa@acousticalsociety.org.

ACCOMPANYING PERSONS PROGRAM

Accompanying Persons and other visitors are welcome at the New Orleans meeting. The registration fee for accompanying persons is USD \$150 for preregistration by 6 November 2017 and USD \$175 thereafter, including on-site registration at the meeting. There will be a hospitality room in the hotel for participants. The program will include speakers on the history and culture of the city. Check back to the meeting website for updated information.

The unique blend of traditions in New Orleans has yielded a city rich in music, architecture and cultural institutions. Within a short walk of the hotel are dozens of museums and landmarks as well as a broad range of culinary experiences. There are also a variety of excellent tours to choose from. The New Orleans Convention and Visitors Bureau (www.neworleanscvb.com) is a great resource. Check out the link www.neworleanscvb.com/press-media/story-ideas/ for an overview on a range of topics.

WEATHER

New Orleans has a subtropical climate with pleasant year-round temperatures. Average high and low temperatures in December are 64 F (18 C) and 50 F (9C), respectively. Rainfall is common in New Orleans and occurs on an average of ten days in December. Carrying a small foldable umbrella may be useful for occasional showers.

REGISTRATION INFORMATION

The registration desk at the meeting will open on Monday morning, 4 December. Register online at <http://AcousticalSociety.org> or use the form on page 19. **If your registration is not received at the ASA headquarters by 6 November 2017 you must register on-site.**

Registration fees are USD as follows:

<u>Category</u>	<u>Preregistration by 6 November</u>	<u>Onsite Registration</u>
ASA Members	\$525	\$625
ASA/ Members One-Day Attendance*	\$265	\$365
Nonmembers	\$650	\$750
Nonmembers One-Day Attendance*	\$325	\$425
Nonmember Invited Speakers One-Day Attendance*	\$0	\$100
Nonmember Invited Speakers—Full Week (Includes one-year ASA membership upon completion of an application)	\$150	\$215
ASA Early Career Associate or Full Members (ASA members within 3 years of their most Recent degrees—proof of date of degree required)	\$265	\$365
ASA Student Members (with current Student ID)	\$50	\$150
Nonmember Students (with current Student ID)	\$150	\$250
ASA Emeritus Members (Emeritus status pre-approved by ASA)	\$150	\$175
Accompanying Persons (Registrants who will not participate in the technical sessions)	\$150	\$175

Nonmembers who register for the full meeting week and simultaneously apply for Associate Membership in the Acoustical Society of America will be given a USD \$50 discount off their dues payment for the first year (2018) of membership. Invited speakers who are members of the Acoustical Society of America are expected to pay the registration fee, but **nonmember invited speakers** may preregister for one-day only without charge and USD \$100 onsite registration. A nonmember invited speaker who pays the full-week registration fee, will be given one free year of membership upon completion of an ASA application form.

Note: A USD \$25 fee will be charged for cancellations after 6 November 2017.

ONLINE REGISTRATION

Online registration is available at <http://AcousticalSociety.org>.

*One-day registration is for participants who will attend the meeting for only one day. If you will be at the meeting for more than one day either presenting a paper and/or attending sessions, you must register and pay the full registration fee.

INSTRUCTIONS FOR SUBMITTING ABSTRACTS ONLINE

Complete instructions for the preparation and submission of abstracts is provided online.

Acknowledgment that your abstract has been received will be sent by e-mail. **Please note that if you do not receive an email message your abstract has not been entered into the database.**

1. Online Abstract Submission site is accessed on the ASA Home Page at <http://AcousticalSociety.org>
2. Click "Submit Abstract for the New Orleans meeting" from the main page
3. You must first create an account and set up a username and password if you have not already done that in connection with submission of abstracts for prior ASA meetings.
4. After logging into the submission site, click the "Submission" tab.
5. To begin a new abstract click "Create a New Abstract" in the sidebar located on the left-hand side of the screen.
6. If at any time during the submission process you need technical support click the "Get Help Now" button at the top of the screen.
7. Abstracts are limited to 200 words (approximately 1500 characters).
8. The body of the abstract can be cut and pasted into the submission site. Note that LaTeX coding must be entered using the Special Character palette which appears on the Title/Body Screen.
9. Enter all authors and their affiliations in the order they should appear in the abstract. **Note: Only one affiliation may be included for each author.**
10. Carefully check the proof of your abstract. Make sure all special characters and formatting are displaying properly and that the authors and affiliations are listed in the proper order.
11. When all the required information for your submission is entered, the "Submit Abstract" button will appear at the Proof and Submit stage. Click the "Submit Abstract" button to submit the abstract.
12. Upon submission of your abstract you will receive an e-mail confirmation.
13. To view or edit an existing submission click "View Submissions" in the sidebar located on the left-hand side of the screen.
14. To edit an existing submission you must select "Return to Draft" and then select "Edit." All abstracts that are returned to draft must be resubmitted to be entered into the system. If not, the submission will remain in the Drafts table.

ASA BEST PAPER AWARDS FOR STUDENTS AND YOUNG PRESENTERS

Several ASA Technical Committees offer Best Paper Awards to students and young presenters who present papers at Society meetings. If you want your paper to be considered for an award, you must indicate this when you submit your abstract. Follow the instructions for the appropriate technical area that appear below.

ASA BEST STUDENT PAPER AWARDS

Committees Offering These Awards: Acoustical Oceanography, Animal Bioacoustics, Architectural Acoustics, Engineering Acoustics, Musical Acoustics, Speech Communication, Structural Acoustics and Vibration, and Underwater Acoustics

Award Amounts: For each of the Technical Committees granting awards, up to two awards will be presented to students presenting papers in sessions organized by the specific Technical Committee: USD \$300 for first prize and USD \$200 for second prize.

Qualifications:

To qualify for each of these awards, an author must:

- ▶ be enrolled as a student at least half-time (graduates are eligible if the work being presented was performed as a student within one year of the meeting). Note that you do not need to be a member of the ASA to qualify.
- ▶ be listed as the first author on the submitted abstract
- ▶ present the paper at the meeting

Special Note for Speech Communication entries: Choose Poster Only as your preferred presentation type during the abstract submission process to be eligible for the Best Student Poster Award Competition for Speech Communication. If you do not choose 'Poster Only' and your paper is subsequently assigned to an oral presentation, you cannot be considered for the Best Student Poster Award Competition for Speech Communication

Selection: The award winners will be selected by a subcommittee of each of the Technical Committees granting awards, based upon the quality of both the content of the paper and its presentation. The awards will be announced either at the meeting of the Technical Committee or after the close of the meeting.

Application: All those who wish to participate in the competition for these awards must indicate their intention to enter the competition during the abstract submission process by clicking the entry box on the online submission form.

ASA BEST "OUTSTANDING PAPER BY A YOUNG PRESENTER" AWARDS

Note that you need not be a student to qualify for these two awards.

Committees Offering These Awards: Noise and Signal Processing in Acoustics

Award Amounts: Noise - Up to three awards of up to USD \$250 each will be given for outstanding papers presented in sessions organized by the Technical Committee on Noise.

Signal Processing - One award of USD \$500 will be given for outstanding paper presented in a session organized by the Technical Committee on Signal Processing in Acoustics.

Qualifications:

To qualify for an award, the paper author must:

- ▶ be under 30 years of age as of 1 January 2017
- ▶ be listed as the first author of the paper and actually present the paper

Selection: Selection of the award winners will be based on the quality of the presented paper, comprising both the content and its delivery. The award winners will be chosen by a subcommittee of the Technical Committee and will be announced after the close of the meeting.

Application: The Award Subcommittees would like to consider papers by all authors who meet the eligibility criteria. Neither membership in the Acoustical Society, nor previous experience in the ASA, is required. Because the committees have no other way to identify eligible authors, however, it is essential that eligible authors indicate their intention to enter the competition during the abstract submission process by clicking the entry box on the online submission form.

174TH Meeting Committee

Chair..... Joel Mobley
Technical Program Chair Natalia Sidorovskaya
Signs Cecille Labuda, Likun Zhang
Accompanying Persons Gabriela Petculescu
Student Coordinator Josette Fabre, Juliette Ioup
Technical Tours David Woolworth, Andi Petculescu