Announcement and Call for Papers

170th MEETING OF THE ACOUSTICAL SOCIETY OF AMERICA

Hyatt Regency Jacksonville Riverfront Hotel
Jacksonville, Florida
2–6 November 2015

Deadline for receipt of abstracts: Monday, 22 June 2015
The 170th Meeting of the Acoustical Society of America will be held Monday through Friday, 2–6 November 2015 at the Hyatt Regency Jacksonville Riverfront Hotel, Jacksonville, Florida, USA. A block of rooms has been reserved at the Hyatt Regency Jacksonville Riverfront Hotel at discounted rates.

Information about the meeting also appears on the ASA webpage at AcousticalSociety.org. See page 16 for registration information.

THE DEADLINE FOR RECEIPT OF ABSTRACTS IS MONDAY, 22 JUNE 2015. THIS DEADLINE WILL BE STRICTLY ENFORCED.

Susan E. Fox
Executive Director
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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, 2–6 November.

Every effort will be made to schedule contributed abstracts in accordance with author and Technical 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.

The special sessions described below will be organized by the Technical Program Committee. 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 BRIEF DESCRIPTIONS**

**ACOUSTICAL OCEANOGRAPHY (AO)**

Acoustics of High Latitude Oceans  
(Joint with Signal Processing in Acoustics, Underwater Acoustics, and Animal Bioacoustics)  
Organized by: John A. Colosi, Aaron M. Thode

Passive Acoustic Inversion using Sources of Opportunity  
(Joint with Signal Processing in Acoustics and Underwater Acoustics)  
Organized by: Kathleen E. Wage, Karim G. Sabra

**ARCHITECTURAL ACOUSTICS (AA)**

Acoustic Comfort in Building Indoor Environmental Quality (IEQ) Performance  
(Joint with Noise)  
Organized by: Donna Ellis, Kenneth P. Roy

Acoustics of Multifamily Dwellings  
(Joint with Noise)  
Organized by: Eric L. Reuter, K. Anthony Hoover

AIA CEU Course Presenters Training Session  
Organized by: K. Anthony Hoover, Bennett C. Brooks

Classroom Acoustics in Action  
(Joint with Noise)  
Organized by: David Lubman, David Woolworth, Angelo C. Campanella

Directivities of Musical Instruments and Their Effects in Performance Environments, Room Simulations, Acoustical Measurements, and Audio  
(Joint with Musical Acoustics)  
Organized by: Timothy W. Leishman, Nicholas J. Eyring

**BRIEF DESCRIPTION**

Oceanographic, geological, and biological processes that impact acoustics at high latitudes. Talks addressing a broad swath of observational and theoretical topics are encouraged, including acoustic remote sensing, navigation and communication, ambient noise, scattering due to ice, water column structure, and biologics, and effects of climate change.

Passive methods that use acoustic or seismic sources of opportunity (such as anthropogenic noise, ice-cracking events, earthquakes, etc.) to invert for physical properties of the propagating medium or boundary layers.

Buildings are designed, built, and operated for people, and people experience the building indoor environmental quality acoustics in terms of the quality of speech intelligibility, speech privacy, freedom from distraction and annoyance, and sound quality for audio/video program presentation.

Airborne and structureborne isolation, mechanical system noise, and finishes; methods, criteria, measurements, codes, issues, and results.

Architects must continue their education by taking courses in order to maintain their registration. TCAA offers a class to architects. Members of TCAA must complete this training session in order to qualify as a presenter of the course.

Describe design and implementation of classroom acoustics results and outcomes.

Recent developments in musical instrument directivity measurements are enabling greater understanding of directivity effects in playing and listening environments, room simulations, auralizations, acoustical measurements, recordings, audio playback, sound reinforcement, etc.
ARCHITECTURAL ACOUSTICS (AA) (cont)

Measuring Sound Fields in Healthcare Environments
(Joint with Noise)
Organized by: Gary S. Madaras, James S. Holtrop

Sustainability and Acoustics
Organized by: Lucky S. Tsaih, Ronald T. Eligator

Worship Space Acoustics: Three Decades of Design
Organized by: David T. Bradley, Erica E. Ryherd, Lauren Ronsse

ANIMAL BIOACoustics (AB)

Avian Bioacoustics
Organized by: Micheal L. Dent, Robert J. Dooling

Bioacoustics Research In Latin America
(Joint with Acoustical Oceanography)
Organized by: Juliana R. Moron, Marie Trone

Comparative Neurophysiology of the Auditory System: Session in Honor of Albert Feng
(Joint with Psychological and Physiological Acoustics)
Organized by: Andrea M. Simmons, Peter M. Narins

New Discoveries in Bat Vocal Communication
Organized by: Kirsten Bohn and Michael Smotherman

BIOMEDICAL ACOUSTICS (BA)

Numerical and Analytical Modeling of Medical Ultrasound
(Joint with Physical Acoustics)
Organized by: Martin D. Verweij, Robert J. McGough

Sonothrombolysis
Organized by: Kevin J. Haworth, Kenneth B. Bader

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

ENGINEERING ACOUSTICS (EA)

Acoustic Material Characterization Methods
Organized by: Michael R. Haberman

Layered Media
(Joint with Structural Acoustics and Vibration)
Organized by: Elizabeth A. Magliula, Andrew J. Hull

Test Facilities and Acoustic Calibration
Organized by: Roger M. Logan

Vector Sensors: Theory and Applications
Organized by: Michael V. Scanlon

BRIEF DESCRIPTION

Various ways people measure sound fields in healthcare environments and their processes for concluding whether those sound fields are positive or negative for occupants of healthcare facilities

How to implement sustainable design methods and at the same time achieve optimal acoustics of spaces

Case studies from the recent publication "Worship Space Acoustics: Three Decades of Design"

Production, perception, and processing of acoustic signals by birds

Animal bioacoustics research conducted in Latin American countries

Honoring Albert Feng's contributions to comparative neurophysiology of the auditory system in bats and frogs

A new body of research has developed recently on bat social communication, including the interaction of social calls and echolocation, and the production of complex songs

Numerical and analytical techniques for the computation of acoustic and elastic ultrasound waves in biomedical applications

Cover basic science, commercialization, and clinical topics in the fields of ultrasound-enhanced and ultrasound-mediated thrombolysis

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

New measurement methods for the characterization of the frequency dependent properties of acoustic materials

Pertains to the analysis of layered media. Topics include results from modeling, analysis and testing of layered media in Cartesian, cylindrical, and spherical coronate systems

Series of papers to update the community on current test facilities and to review techniques, with an emphasis on recent revisions to ANSI and ISO standards

Application and theory of acoustic particle velocity sensors in air and water; including direction of arrival, separation of wind and flow artifacts, small apertures
EDUCATION IN ACOUSTICS (ED)

Effective and Engaging Teaching Methods in Acoustics
(Joint with Musical Acoustics)
Organized by: David T. Bradley, Preston S. Wilson

Hands-On Acoustics Demonstrations for Middle- and High-School Students
Organized by: Preston S. Wilson

Take 5’s
Organized by: Jack A. Dostl

Undergraduate Research Exposition
Organized by: Preston S. Wilson, Joseph Vignola

BRIEF DESCRIPTION

Papers on effective and innovative teaching experiences, including education research related papers

Acoustics demonstrations for middle-school students. No abstracts will be submitted. Any acousticians wanting to participate should email Preston Wilson <pswilson@mail.utexas.edu>

For a Take-5 session no abstract is required. We invite you to bring your favorite acoustics teaching ideas. Choose from the following: short demonstrations, teaching devices, or videos. The intent is to share teaching ideas with your colleagues

A forum for undergraduates to present their research in all ASA technical areas to a broad audience. Session will be poster format and can also include overview papers on undergraduate research programs, designed to inspire and foster growth of undergraduate research throughout the Society

MUSICAL ACOUSTICS (MU)

Acoustical Evolution of Musical Instruments
Organized by: Whitney L. Coyle

Stick-Slip Processes in Musical Instruments
Organized by: Thomas Moore

NOISE (NS)

Damage Risk Criteria for Noise Exposure
Organized by: Hilary L. Gallagher, Richard L. McKinley

Role of Fit-Testing Systems for Hearing Protection Devices
(Joint with ASA Committee on Standards and Psychological and Physiological Acoustics)
Organized by: Melissa Theis, Elizabeth McKenna, William J. Murphy

Soundscape and Its Application
(Joint with Animal Bioacoustics)
Organized by: Brigitte Schulte-Fortkamp, Bennett C. Brooks

Thoughts on the Next Generation of ANSI Loudness Standards
(Joint with ASA Committee on Standards and Psychological and Physiological Acoustics)
Organized by: Patricia Davies

Wind Turbine Noise
(Joint with Physical Acoustics and Animal Bioacoustics)
Organized by: Nancy Timmerman, Robert D. Hellweg, Paul D. Schomer, Kenneth Kaliski

PHYSICAL ACOUSTICS (PA)

Acoustic Characterization of Critical Phenomena
Organized by: Josh R. Gladden, Veerle M. Keppens

Launch Vehicle Acoustics
(Joint with Noise)
Organized by: Kent L. Gee

BRIEF DESCRIPTION

Evaluations of current and developing risk criteria measures for noise exposure

Fit-testing systems are becoming increasingly popular for use in occupational hearing conservation. This session will investigate methods for fit-testing requirements for acoustic performance of fit-testing systems and recommendations for integrating fit-testing with hearing conservation programs

Recent research and applications in urban planning, outdoor and indoor spaces

The current standard is based on Moore and Glasberg's loudness model for stationary signals. Much of the engineering community uses Zwicker's loudness model. In addition, time varying loudness should be considered. Discussions on adoption of the current ISO standard are also welcome

Progress in research and monitoring in wind turbine noise and other related topics

Focus on the use of acoustic tools and signatures to better understand a variety of phase transitions in materials such as (but not limited to) superconductivity, charged order transitions, structural phase transitions, and glass transitions. Effects of these transitions on elastic properties and acoustic attenuation will be of interest

Measurements and modeling of launch vehicle environments and physical characteristics of rocket noise generation and propagation
PHYSICAL ACOUSTICS (PA) (cont)

Phononic Metamaterials
Organized by: Joel Mobley

BRIEF DESCRIPTION
Phononic metamaterials have enabled a wide range of possibilities for the manipulation of acoustic fields and material properties. This session is concerned with the novel properties and phenomena facilitated by these media, including device applications and fabrication methods.

SIGNAL PROCESSING IN ACOUSTICS (SP)

Direction of Arrival (DOA) Estimation, Source Localization, Classification and Tracking using Small Aperture Arrays (Joint with Underwater Acoustics and Animal Bioacoustics)
Organized by: R. Lee Culver, Geoffrey H. Goldman

Random Matrix Theory in Acoustics and Signal Processing
Organized by: James Preisig

Many applications are constrained to small aperture arrays, i.e. ~O(1 wavelength). In such cases, the presence of multiple targets or interferers makes DOA estimation, target classification and tracking a difficult problem that is not easily solved using conventional techniques. Theory and applications of random matrix theory in the modeling acoustic phenomena and the development and analysis of signal processing algorithms.

SPEECH COMMUNICATION (SC)

Advancing Methods for Analyzing Dialect Variation (Joint with Signal Processing in Acoustics)
Organized by: Cynthia G. Clopper

Development of Speech Production and Perception Across the Lifespan
Organized by: Mary E. Beckman, Valerie L. Hazan

Methods for analyzing phonetic dialect variation beyond traditional vowel spaces defined by static measures of first and second formant frequencies.

Recent advances in our understanding of how speech production and perception develop across the lifespan, with emphasis on differentiating effects of internal factors (such as the child's maturing motor control or physical changes to the vocal tract at puberty and in senescence) from external factors (such as shifts in production norms in the speech community).

STRUCTURAL ACOUSTICS AND VIBRATION (SA)

Aircraft Interior Noise Reduction (Joint with Noise)
Organized by: Hasson M. Tavossi

Flow-Induced Vibration (Joint with Engineering Acoustics and Physical Acoustics)
Organized by: Robert M. Koch

Novel Treatments in Vibration Damping
Organized by: Kenneth A. Cunefare

Nonlinear Techniques for Nondestructive Evaluation (Joint with Signal Processing in Acoustics and Physical Acoustics)
Organized by: Brian E. Anderson

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

Structural Acoustics and Vibration in Buildings (Joint with Noise and Architectural Acoustics)
Organized by: Benjamin M. Shafer, James E. Phillips

Transient Nearfield Acoustical Holography (Joint with Noise and Signal Processing in Acoustics)
Organized by: Nicolas Valdivia

Methods for reducing aircraft interior noise

Vibration induced by the flow of a fluid over a structure and the interaction between the structure and the fluid

Latest developments in vibration damping and applications

Nonlinear acoustic techniques used to locate or image cracks, delaminations and other structural flaws

Review and discussion of current standards in structural acoustics and vibration

Prediction, measurement, and control of vibration and structureborne noise in buildings

Studies of the transient nearfield acoustical holography (TNAH) technique utilized to reconstruct non-stationary sound fields over a vibrating structure
UNDERWATER ACOUSTICS (UW)

50 Years of Underwater Acoustics under ASA (Joint with Acoustical Oceanography, Signal Processing in Acoustics, and Animal Bioacoustics)
Organized by: David L. Bradley, John A. Colosi

Environmental Variability Impact on Shallow Water Acoustics (Joint with Signal Processing in Acoustics)
Organized by: Nicholas P. Chotiros, Brian T. Hefner

BRIEF DESCRIPTION

Celebrating the 50th anniversary of Underwater Acoustics as part of the ASA: History and future

Influence of sediment, water column, and sea surface variability on transmission, reverberation, and scattering in shallow water

OTHER TECHNICAL EVENTS AND INFORMATION

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 Society 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 Committee will cover the fields of Acoustical Oceanography, Animal Bioacoustics and Underwater Acoustics.

UNDERGRADUATE RESEARCH EXPOSITION

The 2015 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 2015 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 August 15, 2015. Recipients will be notified by 15 September.

TUTORIAL LECTURE ON SONIC BOOMS: A “SUPER” SONIC SAGA

A Tutorial Presentation on “Sonic Booms: A “Super” Sonic Saga” will be given by Victor W. Sparrow of Pennsylvania State University, on Monday, 2 November at 7:00 p.m. Lecture notes will be available at the meeting in limited supply. Those who register by 5 October 2015 are guaranteed receipt of a set of notes. To partially defray the cost of the lecture, a registration fee is charged. The fee is USD$15 for registration received by 5 October 2015 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 5 October 2015 and USD$12 thereafter, including on-site registration at the meeting. Register online at AcousticalSociety.org or use the form on page 18.
TECHNICAL TOURS

Space is limited, so sign up at the time that you register for the meeting online at AcousticalSociety.org or by using the form on page 18.

A tour of the historic Florida Theatre in Jacksonville will be held Wednesday, November 4, 2015, 9:00 a.m. to 11:00 a.m. Audio Engineer, Kenny Stubblefield will lead the tour of this architectural and cultural treasure. The Florida Theatre opened in 1927 and is listed on the National Register of Historic Places. It has hosted vaudeville, silent films, ballet, rock-n-roll, etc. The Theatre is located 0.28 miles from the Hyatt Regency Jacksonville Riverfront Hotel. Participants will meet in the registration area of the hotel lobby at 8:45am for the quick walk to the Theatre. Your registration fee of USD$10.00 will be donated to the Florida Theatre. http://floridatheatre.com

Plans for a tour of the Naval Submarine Base Kings Bay are underway. The base is the east coast home port to nuclear powered submarines and the home to the Atlantic Fleet’s Ballistic and Guided Missile Submarines. The tour may include a submarine or the Trident Training Facility (depending on availability) and a meal at the galley. Please check the meeting website for updates and registration information.

GALLERY OF ACOUSTICS

The Technical Committee on Signal Processing in Acoustics will sponsor the 16th Gallery of Acoustics at the Acoustical Society of America meeting in Jacksonville, FL. Its purpose is to enhance ASA meetings by providing a setting for researchers to display their work to all meeting attendees in a forum emphasizing the diversity, interdisciplinary, and artistic nature of acoustics. The Gallery of Acoustics provides a means by which we can all share and appreciate the natural beauty, aesthetic, and artistic appeal of acoustic phenomena: This is a forum where science meets art.

The Gallery will consist of a multimedia collection of images, videos, audio clips, and narrations, of images and/or sounds generated by acoustic processes or resulting from signal and image processing of acoustic data. Images and videos can consist of actual visualizations of acoustic processes or of aesthetically and technically interesting images resulting from various signal and image processing techniques and data visualization. Audio clips and segments should also have aesthetic, artistic, and technical appeal. It is possible to submit a poster entry but permission from Brian Anderson should be obtained prior to submission. Recently the highly ranked entries have been video entries (a series of photos or video, with audio narration or text to read). The top 3-6 submitted video entries are then burned onto a common DVD that is played on a loop on a TV in a main lobby of the conference hotel for all to see. These video entries must be limited to 3 minutes in duration (STRICTLY ENFORCED). We strongly suggest submission of QuickTime or MPEG (with QuickTime compatible CODEC) formats with a widescreen (16:9) aspect ratio (resolution of 960x540 is recommended). Entries must be submitted electronically, either by e-mail attachment, or by mailing a CD, or DVD to the address given below.

Entries must be preceded by an informal abstract submission that includes all authors’ names and affiliations, a brief description of the entry and importance or interest of the entry (no more than 1000 words), and statement of permission to display the entry at the meeting. The meeting attendees (or a selected committee if necessary) will vote on the entries on the basis of aesthetic/artistic appeal, ability to convey and exchange information, and originality. A cash prize of USD $500 will be awarded to the winning entry.

The relevant deadlines are as follows:

(1) 31 August 2015: Deadline for notice of intent to submit. Include a title, an abstract, a complete author list with full contact information, and a basic description of the proposed entry. This information won’t be published anywhere, rather it is used to help guide entrants in their submissions. Please indicate the primary point of contact.

(2) 21 September 2015: Deadline for the receipt of all entries and materials.

Entries, questions, and all other communications regarding the Gallery should be directed to:

Brian E. Anderson       Michael Muhlestein
Brigham Young University The University of Texas at Austin
e-mail: bea@byu.edu       e-mail: mimuhle@gmail.com
STUDENT COUNCIL FELLOWSHIP PANEL

A panel of successful fellowship winners, selection committee, and fellowship agency members will offer advice and answer questions.

ASA RESUME HELP DESK

Are you interested in applying for graduate school, a postdoctoral opportunity, a research scientist position, a faculty opening, or other position involving acoustics? If you are, please stop by the ASA Resume Help Desk near the meeting registration booths. Members of the ASA experienced in hiring will be available to look at your CV, cover letter, and research & teaching statements to provide tips and suggestions to help you most effectively present yourself in today's competitive job market. The ASA Resume Help Desk will be staffed on Tuesday, Wednesday, and Thursday during the lunch hour for walk-up meetings. Appointments during these three lunch hours will be available via a sign-up sheet, too.

EXHIBIT

An instrument and equipment exhibit conveniently located near the registration area and meeting rooms, will open at the Rhode Island Convention Center on Monday, 5 May, and will close on Wednesday afternoon, 7 May. The exhibit will include computer-based instrumentation, scientific books, sound level meters, sound intensity systems, signal processing systems, devices for noise control and acoustical materials, active noise control systems and other exhibits on acoustics. Contact the Exhibit Manager for information about participating in the exhibit: Robert Finnegan, Advertising and Exhibits Division, AIP Publishing, LLC, 1305 Walt Whitman Road, Suite 300, Melville, NY 11747-4300, Tel: 516-576-2433; Fax: 516-576-2481; E-mail: rfinnegan@aip.org.

PROCEEDINGS OF MEETINGS ON ACOUSTICS (POMA)

The upcoming meeting of the Acoustical Society of America will have a published proceedings, and submission is optional. Proceedings of Meetings on Acoustics (POMA). This is an open access journal, so that its articles are available in pdf format without charge to anyone in the world for downloading. Authors who are scheduled to present papers at the meeting are encouraged to prepare a suitable version in pdf format that will appear in POMA. Further information regarding POMA can be found online at scitation.aip.org/content/asa/journal/poma/info/authors. Published papers from previous meetings can be seen online at scitation.aip.org/content/asa/journal/poma/.

ITINERARY PLANNER AND MOBILE APP

An itinerary planner and mobile app will be available for the Jacksonville meeting.

MEETING PROGRAM

A complete meeting program will be published as Part 2 of the September issue of JASA. Abstracts will be available on the ASA Home Page at AcousticalSociety.org in September.
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 edited or truncated. Authors must submit abstracts online (see page 19).

ABSTRACT SUBMISSION GUIDELINES

All abstracts must be submitted online by Monday, 22 June 2015. This deadline will be strictly enforced. Abstracts submitted via postal mail, fax, or e-mail will not be accepted.

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 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

Contributors submitting abstracts online will receive an e-mail message confirming that their abstracts have been received. Acceptance notices will be sent to authors by e-mail in September.

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 Society 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 20.
AUDI-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) 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. If your poster needs to be located adjacent to a power outlet and/or you require the use of a table, please request these items when you submit your abstract.

PROJECTION GUIDELINES FOR AUTHORS

A PC computer with monaural 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 insure 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.
INTRODUCTION
This short course will provide an overview of the theory and application of finite element methods (FEM) in acoustics. While the equations of motion for an acoustic fluid are relatively simple, the demands of frequency resolution on domains of many wavelengths in dimension has remained a challenge. Moreover, the many physical and engineering quantities derived from the results (transmission loss, reverberation time, intensity, radiated power, equivalent impedance, etc.) are non-standard among engineers familiar with FEM. It is common for engineers well-versed in FEM to be challenged by the demands of acoustics, and for acousticians to be intimidated by FEM, or to find it inadequate for their needs; this course will attempt to bridge these gaps.

OBJECTIVE
We will discuss the elementary derivations of acoustic FEM, in both the traditional frequency domain and the time domain. Emphasis will be placed on understanding how FEM theory affects the physical resolution of wavelength and frequency in practical problems. Solution techniques, such as explicit time integration, iterative solution, modal projections, etc. which enable larger and more complex computations will be discussed. Element technology, such as special approaches to formulate elements for wave propagation, will also be discussed. We will also describe the special challenges of acoustic problems coupled to structures, and in exterior domains (oceans), as well as currently active areas of algorithmic research. Since “acoustics” means quite different things in automotive, naval, architectural, medical, and aerospace contexts, we will discuss the challenges of these specific fields. Several powerful OEM software tools exist which can handle acoustics problems of interest. While we will not survey all of the available tools, we will attempt to leave the course attendee with an appreciation of what categories of problems should be considered routine, which require advanced practitioners, and which constitute areas of research.

INSTRUCTOR
Dr. Cipolla has over 21 years of experience in engineering mechanics, numerical simulations, project planning and management. Graduating with degrees in Applied Science and Mechanical Engineering from Lehigh University in 1985, and a PhD in Theoretical Mechanics from Cornell University in 1992, Dr. Cipolla has led numerous projects in computational modeling and advanced software development in a variety of special areas: structural acoustics, acoustic cloaking and metamaterials, blast, underwater shock, radiation heat transfer, reduced-order models, nonlinear dynamics, circuit packaging, and composites. After graduation from Cornell, he worked at the Naval Undersea Warfare Center in Newport, RI, and then served as Principal at Abaqus, Inc. (now Simulia) as the lead developer and architect for structural acoustics and UNDEX features in Abaqus. This general-purpose finite element code was extended to analyze structures and the acoustic wave propagation effects through the surrounding media under his supervision. Abaqus was the first to incorporate fluid models, advanced absorbing boundaries, cavitation, UNDEX incident wave loading, the Geers-Hunter explosion bubble model, free- and absorbing-surface effects, unstructured meshing, and general mismatched fluid-solid mesh coupling in a single explicit transient code. The code also has advanced infinite elements and coupled fluid-solid resonant mode capability. Now an Associate Principal at WAI, he develops, manages, and exercises technical leadership for several US Navy technology projects.

PROGRAM
Sunday, 1 November 2015, 1:00 p.m. to 5:00 p.m.
Monday, 2 November 2015, 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 5 October 2015 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 5 October 2015. Full refunds will be made for cancellations prior to 5 October 2015. Any cancellations after 5 October 2015 will be charged a USD$25 processing fee. Register online at <http://AcousticalSociety.org> or use the form on page 18. If you miss the preregistration deadline and are interested in attending the course, please send an email to asa@aip.org.
SPECIAL MEETING FEATURES

STUDENT TRANSPORTATION SUBSIDIES

A student transportation subsidies fund has been established to provide limited funds to students to partially defray transportation expenses to meetings. Students presenting papers who propose to travel in groups using economical ground transportation will be given first priority to receive subsidies, although these conditions are not mandatory. 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 5 October 2015 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; if traveling by auto; whether you will travel alone or with other students; names of those traveling with you; and approximate cost of transportation.

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 Jacksonville 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 Jacksonville meeting, are not currently students, and have not previously received the award. Each award will be of the order of USD$450 with two 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 Kyoko Nagao <nagao@asel.udel.edu>. Deadline for receipt of applications is 21 September 2015.

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 Jacksonville meeting. Meeting attendees are eligible to apply if they plan to present a paper at the Jacksonville 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 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 Peggy Nelson <nelso477@umn.edu>. Deadline for receipt of applications is 21 September 2015.

STUDENTS MEET MEMBERS FOR LUNCH

The ASA Education Committee arranges for a student to meet one-on-one with a member of the Acoustical Society over lunch. The purpose is to make it easier for students to meet and interact with members at ASA Meetings. Each lunch pairing is arranged separately. Students who are interested should contact Dr. David Blackstock, University of Texas at Austin, by email to dtb@mail.utexas.edu. Please provide your name, university, department, degree you are seeking (BS, MS, or PhD), research field, acoustical interests, your supervisor's name, days you are free for lunch, and abstract number (or title) of any paper(s) you are presenting. The sign-up deadline is 12 days before the start of the Meeting, but an earlier sign-up is strongly encouraged. Each participant pays for his/her own meal.

PLENARY SESSION, AWARDS CEREMONY, SOCIETY LUNCHEON/ LECTURE, JAM SESSION, AND SOCIAL EVENTS

Socials with complimentary buffets and cash bars will be held on Tuesday and Thursday, 3 and 5 November at the Hyatt Regency Jacksonville Riverfront 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.

The ASA Plenary session will be held Wednesday afternoon, 4 November, where Society awards will be presented and recognition of newly-elected Fellows will be announced.

A Society Luncheon and Lecture sponsored by the College of Fellows will be held Thursday, 5 November, at 12:00 noon. This luncheon is open to all attendees and their guests. Our speaker will be Robert O. Lawton Distinguished Professor, Dr. Joseph Travis, Florida State University. Dr. Travis is a renowned field biologist who is a recipient of the E. O. Wilson Naturalist Award. His research focuses on how ecological processes drive evolutionary ones. He is a Fellow of the American Association for Advancement of Science and the American Academy of Arts and Sciences. Dr. Travis’s lecture is entitled, “Approaches to science, falsification vs. hypothetico-deductive, and some of the consequences of failing to recognize the limitations of each.” Register online at AcousticalSociety.org or use the form on page 18. Tickets cost USD $30.00 each.

Once again the College of Fellows will be hosting the ASA Jam Session on Wednesday night, 6 November. 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.

WOMEN IN ACOUSTICS LUNCHEON

The Women in Acoustics luncheon will be held on Wednesday, 4 November. The fee is USD $25 (students USD $15) for pre-registration by 5 October and USD $30 (students USD $15) at the meeting. Those who wish to attend this luncheon must register online at AcousticalSociety.org or use the form on page 18.

TRANSPORTATION AND TRAVEL INFORMATION

AIR TRANSPORTATION

Jacksonville International Airport (JAX) provides non-stop flights to more than 30 major U.S. cities and is only 15 minutes from downtown Jacksonville. The airport offers 100 daily arrivals and departures on all major domestic air carriers and a network of regional carriers. More information about Jacksonville International Airport is available at http://www.flyjax.com.

GROUND TRANSPORTATION

At the Jacksonville airport all ground transportation services, including rental car agencies, taxi and limousine services, are located on the lower level of the terminal building adjacent to baggage claim.

Safety Advisory: Ignore offers of ground transportation from solicitors inside the terminal building. While these solicitors may look and sound official, they are not authorized to solicit passengers.

Taxi: Taxis depart from just outside the baggage claim area on the ground floor of the terminal. Typical costs to downtown Jacksonville are USD $30 to USD $40. Driving time to reach Hyatt Regency Jacksonville Riverfront is approximately 15 minutes. Authorized service is provided by Gator City Taxi, (904) 999-9999.

Shared-ride service: The cost of a one-way shared ride from the airport to Hyatt Regency Jacksonville Riverfront is USD $24 per person. Round trip from/to the airport is USD $48. SuperShuttle, 800-258-3826, Online Reservations-SuperShuttle.com

Rental Car: Renting a car is not a necessity in Jacksonville. Most everything you need should be within walking distance of the hotel. There are many very nice restaurants, museums and shops reasonably close to the hotel. If you do need a rental car all major companies are represented in the airport on the lower level of the terminal building adjacent to baggage claim.

Personal luxury limousine services: Executive Sedan & SUV Service, 1-800-410-4444, Online Reservations - ExecuCar.com. SuperShuttle also offers Executive Sedan Service at a cost of USD $50 one way from the airport to the Hyatt Regency Jacksonville Riverfront, SuperShuttle, 800-258-3826, Online Reservations-SuperShuttle.com

Bus service to and from the airport: AirJTA (CT3) operates seven days a week and it is the most economical trip from downtown to the airport. For more information, visit the airport courtesy desk. You can also call the Jacksonville Transportation Authority at (904) 630-3100, or visit JTA's website at http://www.jtafla.com to plan your trip.

BUS AND TRAIN TRANSPORTATION TO DOWNTOWN JACKSONVILLE

Amtrak and Greyhound both serve Jacksonville. The Amtrak station is located at 3570 Clifford Lane, Jacksonville, 6.5 miles from the Hyatt Regency Jacksonville Riverfront. Please visit, amtrak.com, for more information. The Greyhound Station can be found at 10 N. Pearl Street, Jacksonville and is 0.64 miles from the hotel. Please visit, greyhound.com, for more information.

GETTING AROUND JACKSONVILLE

Smooth Sailing on the St. Johns River

The Water Taxi is Jacksonville’s ideal transportation between the north and south bank of the St. Johns River. Board a taxi for scenic and serene trips without waiting longer than 20 minutes at the pickup points.

Trolley

The Jacksonville Transit Authority (JTA) operates two trolley lines: The Riverside Trolley, which links Riverside and downtown and the Beach Trolley, which provides access throughout the beach neighborhoods. Please visit, jtafla.com, for schedules as the Trolley only operates during specific times of the week and year. For more information or call (904) 630-3100.

Hyatt Shuttle Service

The Hyatt’s complimentary hotel shuttle provides dependable transit to locations within three miles of the Hyatt. Take advantage of this service Monday through Friday from 6:00 a.m. to 10:00 a.m. and again from 5:00 p.m. to 9:00 p.m.
DRIVING/PARKING INFORMATION

From Jacksonville Int'l Airport
Take 95 South approximately 18 miles, Take the Union Street exit (exit 353-B), Turn Left (east) onto Union Street, Travel one mile on Union Street to Newnan Street, Turn right onto Newnan Street, Travel 0.5 miles on Newnan, Turn left onto Coastline Drive, Make immediate left into front entrance of the hotel

From 10 East Bound (Gainesville/Tallahassee/Valdosta)
Merge onto I-10 E toward Jacksonville, Keep right toward US-17/SR-228/Downtown Jacksonville/Savannah, Take the exit on the left, Take the I-95 N exit on the left toward Downtown/International Airport/Savannah, Take the Forsyth Street exit, EXIT 352B, toward Convention Center, Turn slight right onto W Forsyth Street, Turn right onto N Newnan Street, Turn left onto E Coast Line Drive, Make immediate left into front entrance of the hotel

From I-95 North Bound (St. Augustine, Miami, Tampa, Orlando, South Florida)
Take I-95 North to Exit 350-A (Main Street/Prudential Drive), Follow signs for Main Street, Proceed over the Main Street Bridge (Blue Bridge), Take a sharp right via the exit ramp, Turn right at bottom of exit ramp to Newnan, Turn left on Coastline Drive and make immediate left into the hotel entrance

Directions from Ponte Vedra/Jacksonville Beach
Take JT Butler Boulevard (Highway 202) West to I-95 North, Exit #350-A (Main Street/Prudential Drive), Follow signs to Main Street, Proceed over Main Street Bridge (Blue Bridge), Take a sharp right via exit ramp Turn right at bottom of exit ramp to Newnan. Take left onto Coastline Drive and make immediate left into hotel entrance

Parking: Hyatt Regency Jacksonville Riverfront offers a parking deck managed and operated by ProPark that provides direct access into the hotel. Options include overnight, self, and valet parking. Guests may use their hotel key card to enter and exit the garage after validating with the Front Desk. The garage entrance is located off of Newnan Street. Rates are; USD $15 for 24 hour self-parking, USD $20 for 24 hour valet parking. Hourly self-parking is USD $6 per hour. Garage clearance: 6’ 7”. Additional public parking is available in the nearby area, rates vary

WEATHER AND JACKSONVILLE INFORMATION
Jacksonville’s climate averages of 221 sunny days per year. November highs average at 74 during the day with lows in the 50s at night.
A block of guest rooms at discounted rates has been reserved for meeting participants at the Hyatt Regency Jacksonville Riverfront Hotel. **Early reservations are strongly recommended.** Note that the special ASA meeting rates are not guaranteed after **Saturday, 17 October 2015, 11:59 p.m.**. You must mention the Acoustical Society of America when making your reservations to obtain the special ASA meeting rates.

**HYATT REGENCY JACKSONVILLE RIVERFRONT HOTEL**

Please make your reservation directly with the Hyatt Regency Jacksonville Riverfront Hotel. [There is another Hyatt hotel in Jacksonville so please insure that you make your reservation at the Hyatt Regency Jacksonville Riverfront Hotel.]

Hyatt Regency Jacksonville Riverfront Hotel  
225 East Coastline Drive  
Jacksonville, FL 32202  
904-588-1234

Reservations can be made directly online at the website listed below, which has been set up specifically for the Acoustical Society of America where the meeting rates and all applicable information is incorporated. If you wish to make a reservation via telephone please use the special reservations phone number also listed below.

**RESERVATION PROCEDURES**

**Online Reservations**  

**Telephone Reservations**  
Hyatt Group Reservations – 1-888-421-1442

In order to obtain the hotel room rate negotiated for ASA attendees, inform the reservations staff person that you are attending the 170th Acoustical Society of America Meeting.

**ROOM RATES**

Single/Double: USD $169.00  
Triple: USD $194/Quad: USD $219

All rooms are subject to a 14.13% state and local occupancy taxes

**Reservation cut-off date: 11:59 p.m. 17 October 2015 (EST)**

**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 5 October 2015 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.
GENERAL INFORMATION

COMMITTEE MEETINGS

Meetings of Administrative, Technical and Standards Committees, including Working Groups, will be announced in the meeting program if requests are received no later than 22 June 2015. Requests for meeting space, special luncheons, etc., should be made in writing as early as possible to: Gail Paolino, asajax15@gmail.com. Please use the subject line--Meeting Reservation. 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. Please specify the committee’s needs for space, room arrangement, furnishings, catering, and any special equipment. 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

Spouses and other visitors are welcome at the Jacksonville meeting. This program is self-organized but we provide a venue for you to meet and plan your days. The registration fee is USD $125 for preregistration by 5 October and USD $150 at the meeting. This gives you access to the social events on Tuesday and Thursday, the Jam Session, and also the Plenary Session on Wednesday afternoon.

A hospitality room for accompanying persons will be open at the Hyatt Regency Jacksonville Riverfront Hotel from 8:00 a.m. to 10:00 a.m. Monday through Thursday. For updates about the accompanying persons program please check the ASA website at http://AcousticalSociety.org/meetings.html.

Downtown Jacksonville is the business, cultural and entertainment center of Northeast Florida. The St. Johns River, one of a few rivers in the United States that flows north, is the crowning jewel offering visitors and residents some of the most picturesque views. Downtown is also home to a large variety of Theatres and Performing Arts venues. There are also a myriad of museums, tours, and river cruises for you to enjoy! Viist www.visitjacksonville.com for additional information.

Just steps from the Hyatt Regency Jacksonville Riverfront is Jacksonville Landing offering, shops, restaurants, entertainment. For more information visit http://www.jacksonvillelanding.com/.
REGISTRATION INFORMATION

The registration desk at the meeting will open on Monday, 2 November, at the Hyatt Regency Jacksonville Riverfront Hotel. Register online at AcousticalSociety.org or use the form on page 17. **If your registration is not received at the ASA headquarters by 5 October you must register on-site.** All amounts are in USD.

Registration fees are as follows:

<table>
<thead>
<tr>
<th>Category</th>
<th>Preregistration by 5 October</th>
<th>Onsite Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acoustical Society Members</td>
<td>$495</td>
<td>$570</td>
</tr>
<tr>
<td>Acoustical Society Members One-Day Attendance*</td>
<td>$245</td>
<td>$295</td>
</tr>
<tr>
<td>Nonmembers</td>
<td>$570</td>
<td>$645</td>
</tr>
<tr>
<td>Nonmembers One-Day Attendance*</td>
<td>$285</td>
<td>$360</td>
</tr>
<tr>
<td>Nonmember Invited Speakers One-Day Attendance*</td>
<td>Fee waived</td>
<td>Fee waived</td>
</tr>
<tr>
<td>Nonmember Invited Speakers</td>
<td>$115</td>
<td>$115</td>
</tr>
<tr>
<td>(Includes one-year ASA membership upon completion of an application)</td>
<td></td>
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</tr>
<tr>
<td>ASA Early Career Members</td>
<td>$245</td>
<td>$295</td>
</tr>
<tr>
<td>(ASA members within three years of their most recent degrees-proof of date of degree required)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASA Student Members (with current ID cards)</td>
<td>$50</td>
<td>$100</td>
</tr>
<tr>
<td>Nonmember Students (with current ID cards)</td>
<td>$90</td>
<td>$140</td>
</tr>
<tr>
<td>ASA Emeritus Members (Emeritus status pre-approved by ASA)</td>
<td>$125</td>
<td>$150</td>
</tr>
<tr>
<td>Accompanying Persons (Registrants who will not participate in the technical sessions)</td>
<td>$125</td>
<td>$150</td>
</tr>
</tbody>
</table>

**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 (2016) 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 register for one-day only without charge. 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 5 OCTOBER.**

ONLINE REGISTRATION

Online registration is available at 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.
Last Name (Surname) ____________________________
First Name ____________________ Middle Initial __________________
Name as it should appear on your badge __________________________
Company/Organization (will be printed on badge) __________________________
Street Address __________________________
City __________________________
State or Province ____________________ Zip or Postal Code ____________________
Country __________________________
Telephone Number ____________________ Fax Number ____________________
E-mail Address __________________________
Name of Accompanying Guest (for badge) __________________________

Mail form with payment to:
Acoustical Society of America,
1305 Walt Whitman Rd., Suite 300
Melville, NY 11747-4300
FAX (payment by credit card only): 631-923-2875

If your registration is not received at the ASA headquarters by 5 October you must register on-site. Preregistrations received after 5 October will not be processed.

Due to security risks and Payment Card Industry (PCI) data security standards e-mail is NOT an acceptable way to transmit credit card information. Please use our secure web site to register <AcousticalSociety.org> or securely fax this form to 631-923-2875.

Last Name (Surname) ____________________________
First Name ____________________ Middle Initial __________________
Name as it should appear on your badge __________________________
Company/Organization (will be printed on badge) __________________________
Street Address __________________________
City __________________________
State or Province ____________________ Zip or Postal Code ____________________
Country __________________________
Telephone Number ____________________ Fax Number ____________________
E-mail Address __________________________
Name of Accompanying Guest (for badge) __________________________

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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 AcousticalSociety.org

2. Click “Submit Abstract for the Jacksonville 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 the last two 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.

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 of the 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:

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: Please 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 2015
- 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.