The 174th meeting of the Acoustical Society of America will be held Monday through Friday, 4-8 December 2017 at the New Orleans Marriott Hotel, New Orleans, Louisiana.

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1. HOTEL INFORMATION
The New Orleans Marriott Hotel is the headquarters hotel where all meeting events will be held.

The cut-off date for reserving rooms at special rates has passed. Please contact the New Orleans Marriott Hotel, 555 Canal Street, New Orleans, Louisiana 70130-2349 for information about room availability.

2. TRANSPORTATION AND TRAVEL
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.

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 to 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.

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.

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

3. MESSAGES FOR ATTENDEES
A message board will be located in the Acadia Foyer near the ASA registration desk. Check the board during the week as messages may be posted by attendees who do not have cell phone numbers of other attendees.

4. REGISTRATION
Registration is required for all attendees and accompanying persons. Registration badges must be worn in order to participate in technical sessions and other meeting activities.

Registration will open on Monday, 4 December, at 7:30 a.m. in the Acadia Foyer (see floor plan on page A11). Checks or travelers checks in U.S. funds drawn on U.S. banks and Visa, MasterCard and American Express credit cards will be accepted for payment of registration. Meeting
The registration fees (in USD) are $625 for members of the Acoustical Society of America; $750 for non-members, $175 for Emeritus members (Emeritus status pre-approved by ASA); $365 for ASA Early Career members (for ASA members within three years of their most recent degrees – proof of date of degree required), $150 for ASA Student members, $250 for students who are not members of ASA, and $175 for accompanying persons.

One-day registration is available at $365 for members and $425 for nonmembers (one-day means attending the meeting on only one day either to present a paper and/or to attend sessions). A nonmember who pays the $750 nonmember registration fee and simultaneously applies for Associate Membership in the Acoustical Society of America will be given a $50 discount off their dues payment for 2018 dues.

Invited speakers who are members of the Acoustical Society of America are expected to pay the Member full-week or one-day registration fees. Nonmember invited speakers who participate in the meeting only on the day of their presentation may register for $100. The registration fee for nonmember invited speakers who wish to participate for more than one day is $215 and includes a one-year Associate Membership in the ASA upon completion of an application form.

Special note to students who pre-registered online: You will also be required to show your student id card when picking-up your registration materials at the meeting.

5. ACCESSIBILITY

If you have special accessibility requirements, please inform ASA (1305 Walt Whitman Road, Suite 300, Melville, NY 11747-4300; asa@acousticalsociety.org) at a minimum of thirty days in advance of the meeting. Please provide a cell phone number, email address, and detailed information including the nature of the special accessibility so that we may contact you directly.

6. TECHNICAL SESSIONS

The technical program includes 96 sessions with 922 abstracts scheduled for presentation during the meeting.

A floor plan of the Marriott Hotel appears on page A11. Session Chairs have been instructed to adhere strictly to the printed time schedule, both to be fair to all speakers and to permit attendees to schedule moving from one session to another to hear specific papers. If an author is not present to deliver a lecture-style paper, the Session Chairs have been instructed either to call for additional discussion of papers already given or to declare a short recess so that subsequent papers are not given ahead of the designated times.

Several sessions are scheduled in poster format, with the display times indicated in the program schedule.

7. TECHNICAL SESSION DESIGNATIONS

The first character is a number indicating the day the session will be held, as follows:
- 1-Monday, 4 December
- 2-Tuesday, 5 December
- 3-Wednesday, 6 December
- 4-Thursday, 7 December
- 5-Friday, 8 December

The second character is a lower case “a” for a.m., “p” for p.m., or “e” for evening corresponding to the time of day the session will take place. The third and fourth characters are capital letters indicating the primary Technical Committee that organized the session using the following abbreviations or codes:

- AA Architectural Acoustics
- AB Animal Bioacoustics
- AO Acoustical Oceanography
- BA Biomedical Acoustics
- EA Engineering Acoustics
- ED Education in Acoustics
- ID Interdisciplinary
- MU Musical Acoustics
- NS Noise
- PA Physical Acoustics
- PP Psychological and Physiological Acoustics
- SA Structural Acoustics and Vibration
- SC Speech Communication
- SP Signal Processing in Acoustics
- UW Underwater Acoustics

In sessions where the same group is the primary organizer of more than one session scheduled in the same morning or afternoon, a fifth character, either lower-case “a” or “b” is used to distinguish the sessions. Each paper within a session is identified by a paper number following the session-designating characters, in conventional manner. As hypothetical examples: paper 2pEA3 would be the third paper in a session on Tuesday afternoon organized by the Engineering Acoustics Technical Committee; 3pSab5 would be the fifth paper in the second of two sessions on Wednesday afternoon sponsored by the Structural Acoustics and Vibration Technical Committee.

Note that technical sessions are listed both in the calendar and the body of the program in the numerical and alphabetical order of the session designations rather than the order of their starting times. For example, session 3aAA would be listed ahead of session 3aAO even if the latter session begins earlier in the same morning.

8. HOT TOPICS SESSION

The Hot Topics session (3pIDA) will be held on Wednesday, 6 December, at 1:00 p.m. in Salon E. Papers will be presented on current topics in the fields of Architectural Acoustics, Noise, and Underwater Acoustics.

9. ROSSING PRIZE IN ACOUSTICS EDUCATION AND ACOUSTICS EDUCATION PRIZE LECTURE

The 2017 Rossing Prize in Acoustics Education will be presented to Robert Celmer, University of Hartford, at the Plenary Session on Wednesday, 6 December. Dr. Celmer will present the Acoustics Education Prize Lecture titled “Student-centered acoustical engineering education at the University of Hartford” on Tuesday, 5 December, at 2:00 p.m. in Session 2pEDa in Balcony I/J/K.

10. WALTER MUNK AWARD AND MUNK AWARD LECTURE

Andone Lavery of the Woods Hole Oceanographic Institution has been named recipient of the 2017 Walter Munk
11. TUTORIAL LECTURE ON SONIC BOOMS
A tutorial presentation titled “Infrasound Phenomenology, Propagation, and Detection” will be given by Roger M. Waxler of the University of Mississippi on Monday, 4 December, at 7:00 p.m. in Salon D.

This is 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. Lecture notes will be available at the meeting in limited supply; only preregistrants will be guaranteed receipt of a set of notes.

The registration fee is USD $25 (USD $12 for students with current student IDs).

12. SHORT COURSE ON ULTRASOUND CONTRAST AGENTS
A short course on Ultrasound Contrast Agents will be given by Tyrone M. Porter, Boston University, in two parts: Sunday, 3 December, from 1:00 p.m. to 5:00 p.m. and Monday, 4 December, from 8:30 a.m. to 12:30 p.m. in the Bonaparte Room.

This course will cover the various formulations of Ultrasound Contrast Agents, experimental and theoretical approaches for studying their response to acoustic excitation, and the variety of biomedical applications that benefited from their development. Instructional materials and coffee breaks are included. Onsite registration at the meeting will be on a space-available basis.

13. EARLY CAREER PUBLISHING WORKSHOP
Publication of one’s technical results is important to many people for many reasons, but it is especially important to early career academics. In this workshop, the JASA Editor-in-Chief and a number of Associate Editors will provide such a perspective by having the participants handle a mock submission from the viewpoint of an author, an Associate Editor, and a reviewer.

The workshop will be held on Wednesday, 6 December 1:30 p.m. to 3:00 p.m., in Salon F/G/H.

14. UNDERGRADUATE RESEARCH POSTER EXPOSITION
The Undergraduate Research Exposition will be held Tuesday, 5 December, 9:00 a.m. to 12:00 noon in session 2aED in the Studios Foyer.

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. Four awards, up to $500 each, will be made to help undergraduates with travel costs associated with attending the meeting and presenting a poster.

Please visit this poster session to view the work of the undergraduates and to encourage them in their work in acoustics.

15. TECHNICAL COMMITTEE OPEN MEETINGS
Technical Committees will hold open meetings on Tuesday, Wednesday, and Thursday at the Marriott. The schedule and rooms for each Committee meeting are given on page A10.

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.

16. TECHNICAL TOUR
Monday, 4 December, 1:00 p.m. to 3:30 p.m. - Tour Fee: USD $20
A walking tour of recently renovated performing arts spaces of the New Orleans Theater District will be held on Monday, 4 December, from 1:00 p.m. to 3:30 p.m. The tour will explore the three grand theaters of New Orleans, the Orpheum, Saenger, and Joy, examining their histories and restorations.

The group will leave from the Marriott Hotel lobby at 12:45 p.m., 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 30 participants.

17. ANNUAL MEMBERSHIP MEETING
The Annual Membership Meeting of the Acoustical Society of America will be held at 3:30 p.m. on Wednesday, 4 December 2017, in the Bissonet Room at the New Orleans Marriott Hotel, 555 Canal Street, New Orleans, LA 70130.

18. PLENARY SESSION AND AWARDS CEREMONY
A plenary session will be held Wednesday, 6 December, at 3:30 p.m. in the Bissonet Room.

ASA scholarship recipients and the 2017 Munk Award recipient will be introduced. The Rossing Prize in Acoustics Education will be presented to Robert D. Celmer. The Pioneers of Underwater Acoustics medal will be presented to Michael J. Buckingham, the Silver Medal in Physical Acoustics will be presented to Evgenia Zabolotskaya, and the Wallace Clement Sabine Medal will be presented to David Griesinger. Certificates will be presented to Fellows elected at the Boston meeting. See page 2646 for a list of fellows.

All attendees are welcome and encouraged to attend. Please join us to honor and congratulate these medalists and other awardees.

19. HUNT FELLOWSHIP RECOGNITION AND CAMPAIGN FOR ASA EARLY CAREER LEADERSHIP
The Hunt Fellowship has been an outstanding feature of the Acoustical Society of America 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 will be held at the New Orleans meeting.
In conjunction with this celebration, the Acoustical Society Foundation Fund, with support of the Executive Council, is initiating a fund raising campaign. Early Career Leadership (CCEL) Campaign for ASA for development of talent within the Society.

A celebratory reception (with cash bar) open to all is scheduled for Wednesday 6 December 2017, starting at 5:30 p.m., followed by a special dinner at 6:30 p.m., in conjunction with the celebration of the Hunt Postdoctoral Research Fellowship’s 40th Anniversary. Please check at the ASA Registration Desk for information about the availability of tickets for the dinner.

20. ANSI STANDARDS COMMITTEES

Meetings of ANSI Accredited Standards Committees will not be held at the New Orleans meeting.

Meetings of selected advisory working groups are often held in conjunction with Society meetings and are listed in the Schedule of Committee Meetings and Other Events on page A21 or on the standards bulletin board in the registration area, e.g., S12/WG18-Room Criteria.

People interested in attending and in becoming involved in working group activities should contact the ASA Standards Manager for further information about these groups, or about the ASA Standards Program in general, at the following address: Neil Stremmel, ASA Standards Manager, Standards Secretariat, Acoustical Society of America, 1305 Walt Whitman Road, Suite 300, Melville, NY 11747-4300; T. 631-390-0215; F. 631-923-2875; E. asastds@acousticalsociety.org

21. COFFEE BREAKS

Morning coffee breaks will be held each day from 10:00 a.m. to 11:00 a.m. near the Preservation Hall Foyer on the third floor.

22. A/V PREVIEW ROOM

Studio 5 on the third floor will be set up as an A/V preview room for authors’ convenience, and will be available on Monday through Thursday from 7:00 a.m. to 5:00 p.m. and Friday from 7:00 a.m. to 12:00 noon.

23. PROCEEDINGS OF MEETINGS ON ACOUSTICS (POMA)

The New Orleans meeting will have a published proceedings, and submission is optional. The proceedings will be a separate volume of the online journal, “Proceedings of Meetings on Acoustics” (POMA). This is an open access journal, so that its articles are available in pdf format for downloading without charge to anyone in the world. 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. It is not necessary to wait until after the meeting to submit one’s paper to POMA. Further information regarding POMA can be found at the site http://acousticsauthors.org. Published papers from previous meeting can be seen at the site http://asa.scitation/journal/poma

24. E-MAIL AND INTERNET ZONE

Wi-Fi will be available in all ASA meeting rooms and spaces.

Computers providing e-mail access will be available 7:00 a.m. to 5:00 p.m., Monday to Thursday and 7:00 a.m. to 12:00 noon on Friday on the third floor near the Acadia Foyer.

Tables with power cords will be set up near the Preservation Hall Foyer on the third floor for attendees to gather and to power-up their electronic devices.

25. SOCIALS

Socials will be held on Tuesday and Thursday evenings, 6:00 p.m. to 7:30 p.m. in the Carondelet/Bissonet Room.

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 Technical Committees that begin immediately after the socials.

26. SOCIETY LUNCHEON AND LECTURE

The Society Luncheon and Lecture, sponsored by the College of Fellows, will be held Thursday, 7 December, at 12:00 noon in Riverview I on the 41st floor. The 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.

This luncheon is open to all attendees and their guests. Purchase your tickets at the Registration Desk before 10:00 a.m. on Wednesday, 6 December. The cost is $30.00 per ticket.

27. STUDENT EVENTS: NEW STUDENTS ORIENTATION, MEET AND GREET, STUDENT RECEPTION, GRANT AND FELLOWSHIP PANEL

Follow the student twitter throughout the meeting @ASASstudents.

A New Students Orientation will be held on Monday, 4 December, from 5:00 p.m. to 5:30 p.m. in Salons F/G/H 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. in Riverview I on the 41st floor where refreshments and a cash bar will be available.
A Fellowship and Grant Panel titled Guidance from the Experts: Applying for Grants and Fellowships, will be held in session 2pID on Tuesday, 5 December, from 2:00 p.m. to 3:30 p.m. in Studio 7. 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.

The Students’ Reception will be held on Wednesday, 6 December, from 6:00 p.m. to 8:00 p.m. in Riverview I on the 41st floor. 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 Society. All students are encouraged to attend, especially students who are first time attendees or those from smaller universities.

To encourage student participation, limited funds are available to defray partially the cost of travel expenses of students to attend Acoustical Society meetings. Instructions for applying for travel subsidies are given in the Call for Papers which can be found online at http://acousticalsociety.org. The deadline for the present meeting has passed but this information may be useful in the future.

28. WOMEN IN ACOUSTICS LUNCHEON

The Women in Acoustics luncheon will be held at 11:30 a.m. on Wednesday, 6 December, in Riverview I on the 41st floor. Those who wish to attend must purchase their tickets in advance by 10:00 a.m. on Tuesday, 5 December. The fee is USD $30 for non-students and USD $15 for students.

29. JAM SESSION

You are invited to One Eyed Jacks on Wednesday night, 6 December, from 8:00 p.m. to midnight for the ASA Jam. 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 with snacks, and all-around good times. Don’t miss out.

30. ACCOMPANYING PERSONS PROGRAM

Spouses and other visitors are welcome at the New Orleans meeting. The on-site registration fee for accompanying persons is USD $175. A hospitality room for accompanying persons will be open in the St. Charles room on the 41st floor at the Marriott from 8:00 a.m. to 10:00 a.m. Monday through Friday. Registration entitles you access to the accompanying persons room, social events on Tuesday and Thursday, the Jam Session, and the Plenary Session on Wednesday afternoon.

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.

31. 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.

32. TECHNICAL PROGRAM ORGANIZING COMMITTEE


33. MEETING ORGANIZING COMMITTEE

Joel Mobley, Chair; Natalia Sidorovskaia, Technical Program Chair; Josette Fabre, Juliette Ioup, Student Coordinators; Cecille Labuda, Likun Zhang, Signs; David Woolworth, Andi Petculescu, Technical Tours.

34. PHOTOGRAPHING AND RECORDING

Photographing and recording during regular sessions are not permitted without prior permission from the Acoustical Society of America.

35. ABSTRACT ERRATA

This meeting program is Part 2 of the October 2017 issue of The Journal of the Acoustical Society of America. Corrections, for printer’s errors only, may be submitted for publication in the Errata section of the Journal.

36. GUIDELINES FOR ORAL PRESENTATIONS

Preparation of Visual Aids
• See the guidelines for computer projection in section 41 below.
• Allow at least one minute of your talk for each slide (e.g., PowerPoint). No more than 12 slides for a 15-minute talk (with 3 minutes for questions and answers).
• Minimize the number of lines of text on one visual aid. 12 lines of text should be a maximum. Include no more than 2 graphs/plots/figures on a single slide. Generally, too little information is better than too much.
• Presentations should contain simple, legible text that is readable from the back of the room.
• Characters should be at least 0.25 inches (6.5 mm) in height to be legible when projected. A good rule of thumb is that text should be 20 point or larger (including labels in inserted graphics). Anything smaller is difficult to read.
• Make symbols at least 1/3 the height of a capital letter.
For computer presentations, use all of the available screen area using landscape orientation with very thin margins. If your institutions logo must be included, place it at the bottom of the slide. Sans serif fonts (e.g., Arial, Calibri, and Helvetica) are much easier to read than serif fonts (e.g., Times New Roman) especially from afar. Avoid thin fonts (e.g., the horizontal bar of an e may be lost at low resolution thereby registering as a c.)

Do not use underlining to emphasize text. It makes the text harder to read.

All axes on figures should be labeled.

No more than 3–5 major points per slide.

Consistency across slides is desirable. Use the same background, font, font size, etc. across all slides.

Use appropriate colors. Avoid complicated backgrounds and do not exceed four colors per slide. Backgrounds that change from dark to light and back again are difficult to read. Keep it simple.

If using a dark background (dark blue works best), use white or yellow lettering. If you are preparing slides that may be printed to paper, a dark background is not appropriate.

If using light backgrounds (white, off-white), use dark blue, dark brown or black lettering.

DVDs should be in standard format.

Presentation

Organize your talk with introduction, body, and summary or conclusion. Include only ideas, results, and concepts that can be explained adequately in the allotted time. Four elements to include are:

- Statement of research problem
- Research methodology
- Review of results
- Conclusions

Generally, no more than 3–5 key points can be covered adequately in a 15-minute talk so keep it concise.

Rehearse your talk so you can confidently deliver it in the allotted time. Session Chairs have been instructed to adhere to the time schedule and to stop your presentation if you run over.

An A/V preview room will be available for viewing computer presentations before your session starts. It is advisable to preview your presentation because in most cases you will be asked to load your presentation onto a computer which may have different software or a different configuration from your own computer.

Arrive early enough so that you can meet the session chair, load your presentation on the computer provided, and familiarize yourself with the microphone, computer slide controls, laser pointer, and other equipment that you will use during your presentation. There will be many presenters loading their materials just prior to the session so it is very important that you check that all multi-media elements (e.g., sounds or videos) play accurately prior to the day of your session.

Each time you display a visual aid the audience needs time to interpret it. Describe the abscissa, ordinate, units, and the legend for each figure. If the shape of a curve or some other feature is important, tell the audience what they should observe to grasp the point. They won’t have time to figure it out for themselves. A popular myth is that a technical audience requires a lot of technical details. Less can be more.

- Turn off your cell phone prior to your talk and put it away from your body. Cell phones can interfere with the speakers and the wireless microphone.

37. SUGGESTIONS FOR EFFECTIVE POSTER PRESENTATIONS

Content

The poster should be centered around two or three key points supported by the title, figures, and text. The poster should be able to “stand alone.” That is, it should be understandable even when you are not present to explain, discuss, and answer questions. This quality is highly desirable since you may not be present the entire time posters are on display, and when you are engaged in discussion with one person, others may want to study the poster without interrupting an ongoing dialogue.

- To meet the “stand alone” criteria, it is suggested that the poster include the following elements, as appropriate:
  - Background
  - Objective, purpose, or goal
  - Hypotheses
  - Methodology
  - Results (including data, figures, or tables)
  - Discussion
  - Implications and future research
  - References and Acknowledgment

Design and layout

A board approximately 8 ft. wide × 4 ft. high will be provided for the display of each poster. Supplies will be available for attaching the poster to the display board. Each board will be marked with an abstract number.

- Typically posters are arranged from left to right and top to bottom. Numbering sections or placing arrows between sections can help guide the viewer through the poster.
- Centered at the top of the poster, include a section with the abstract number, paper title, and author names and affiliations. An institutional logo may be added. Keep the design relatively simple and uncluttered. Avoid glossy paper.

Lettering and text

- Font size for the title should be large (e.g., 70-point font)
- Font size for the main elements should be large enough to facilitate readability from 2 yards away (e.g., 32 point font). The font size for other elements, such as references, may be smaller (e.g., 20–24 point font).
- Sans serif fonts (e.g., Arial, Calibri, Helvetica) are much easier to read than serif fonts (e.g., Times New Roman).
- Text should be brief and presented in a bullet-point list as much as possible. Long paragraphs are difficult to read in a poster presentation setting.

Visuals

- Graphs, photographs, and schematics should be large enough to see from 2 yards (e.g., 8 × 10 inches).
• Figure captions or bulleted annotation of major findings next to figures are essential. To ensure that all visual elements are “stand alone,” axes should be labeled and all symbols should be explained.
• Tables should be used sparingly and presented in a simplified format.

Presentation
• Prepare a brief oral summary of your poster and short answers to likely questions in advance.
• The presentation should cover the key points of the poster so that the audience can understand the main findings. Further details of the work should be left for discussion after the initial poster presentation.
• It is recommended that authors practice their poster presentation in front of colleagues before the meeting. Authors should request feedback about the oral presentation as well as poster content and layout.

Other suggestions
• You may wish to prepare reduced-size copies of the poster (e.g., 8 1/2 × 11 sheets) to distribute to interested audience members.

38. GUIDELINES FOR USE OF COMPUTER PROJECTION
A PC computer with monaural audio playback capability and projector will be provided in each meeting room on which all authors who plan to use computer projection should load their presentations. Authors should bring computer presentations on a CD or 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. Assistance in loading presentations onto the computers will be provided.

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 CD or USB drive.

Introduction
It is essential that each speaker who plans to use his/her own laptop connect to the computer projection system in the A/V preview room prior to session start time to verify that the presentation will work properly. Technical assistance is available in the A/V preview room at the meeting, but not in session rooms. Presenters whose computers fail to project for any reason will not be granted extra time.

Guidelines
• Set your computer’s screen resolution to 1024x768 pixels or to the resolution indicated by the AV technical support. If it looks OK, it will probably look OK to your audience during your presentation.
• Remember that graphics can be animated or quickly toggled among several options: Comparisons between figures may be made temporally rather than spatially.
• Animations often run more slowly on laptops connected to computer video projectors than when not so connected.

Test the effectiveness of your animations before your assigned presentation time on a similar projection system (e.g., in the A/V preview room). Avoid real-time calculations in favor of pre-calculation and saving of images.
• If you will use your own laptop instead of the computer provided, connect your laptop to the projector during the question/answer period of the previous speaker. It is good protocol to initiate your slide show (e.g., run PowerPoint) immediately once connected, so the audience doesn’t have to wait. If there are any problems, the session chair will endeavor to assist you, but it is your responsibility to ensure that the technical details have been worked out ahead of time.
• During the presentation have your laptop running with main power instead of using battery power to insure that the laptop is running at full CPU speed. This will also guarantee that your laptop does not run out of power during your presentation.

Specific Hardware Configurations
Macintosh
Older Macs require a special adapter to connect the video output port to the standard 15-pin male DIN connector. Make sure you have one with you.
• Hook everything up before powering anything on. (Connect the computer to the RGB input on the projector).
• Turn the projector on and boot up the Macintosh. If this doesn’t work immediately, you should make sure that your monitor resolution is set to 1024x768 for an XGA projector or at least 640x480 for an older VGA projector. (1024x768 will most always work.) You should also make sure that your monitor controls are set to mirroring. If it’s an older PowerBook, it may not have video mirroring, but something called simulscan, which is essentially the same.
• Depending upon the vintage of your Mac, you may have to reboot once it is connected to the computer projector or switcher. Hint: you can reboot while connected to the computer projector in the A/V preview room in advance of your presentation, then put your computer to sleep. Macs thus booted will retain the memory of this connection when awakened from sleep.
• Depending upon the vintage of your system software, you may find that the default video mode is a side-by-side configuration of monitor windows (the test for this will be that you see no menus or cursor on your desktop; the cursor will slide from the projected image onto your laptop’s screen as it is moved). Go to Control Panels, Monitors, configuration, and drag the larger window onto the smaller one. This produces a mirror-image of the projected image on your laptop’s screen.
• Also depending upon your system software, either the Control Panels will automatically detect the video projector’s resolution and frame rate, or you will have to set it manually. If it is not set at a commensurable resolution, the projector may not show an image. Experiment ahead of time with resolution and color depth settings in the A/V preview room (please don’t waste valuable time adjusting the Control Panel settings during your allotted session time).
PC
• Make sure your computer has the standard female 15-pin DE-15 video output connector. Some computers require an adaptor.
• Once your computer is physically connected, you will need to toggle the video display on. Most PCs use either ALT-F5 or F6, as indicated by a little video monitor icon on the appropriate key. Some systems require more elaborate keystroke combinations to activate this feature. Verify your laptop’s compatibility with the projector in the A/V pre-view room. Likewise, you may have to set your laptop’s resolution and color depth via the monitor’s Control Panel to match that of the projector, which settings you should verify prior to your session.

Linux
• Most Linux laptops have a function key marked CRT/LCD or two symbols representing computer versus projector. Often that key toggles on and off the VGA output of the computer, but in some cases, doing so will cause the computer to crash. One fix for this is to boot up the BIOS and look for a field marked CRT/LCD (or similar). This field can be set to Both, in which case the signal to the laptop is always presented to the VGA output jack on the back of the computer. Once connected to a computer projector, the signal will appear automatically, without toggling the function key. Once you get it working, don’t touch it and it should continue to work, even after reboot.

39. DATES OF FUTURE ASA MEETINGS
For further information on any ASA meeting, or to obtain instructions for the preparation and submission of meeting abstracts, contact the Acoustical Society of America, 1305 Walt Whitman Road, Suite 300, Melville, NY 11747-4300; Telephone: 516-576-2360; Fax: 631-923-2875; E-mail: asa@acousticalsociety.org
175th Meeting, Minneapolis, Minnesota, 7–11 May 2018
176th Meeting, Victoria, Canada, 6–9 November 2018
177th Meeting, Louisville, Kentucky, 13–17 May 2019
178th Meeting, San Diego, CA, 30 November–4 December 2019
179th Meeting, Chicago, Illinois, 11–15 May 2020
180th Meeting, Cancun, Mexico, fall 2020