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**Editor's Note:** Readers of this journal are encouraged to submit news items on awards, appointments, and other activities about themselves or their colleagues. Deadline dates for news and notices are 2 months prior to publication.

(Published online 29 September 2021); <https://doi.org/10.1121/10.0006382>

## 2020—2021 Reports of Technical Committees and Technical Specialty Groups of the Acoustical Society of America

Technical Committees and a Technical Specialty Group represent fourteen different areas of acoustics in the Society. Appointments to the Technical Committees take place in January. Members who are interested in being appointed to a technical committee should send a message to [asa@acousticalsociety.org](mailto:asa@acousticalsociety.org).

### Acoustical Oceanography

This annual report reviews activities of the Technical Committee on Acoustical Oceanography (TCOA) for the 179th and 180th meetings of the Acoustical Society, spanning December 2020 through November 2021. This is the year of the coronavirus pandemic and society meetings over this period were virtual meetings, Acoustics Virtually Everywhere (AVE) in the fall of 2020 and Acoustics in Focus (AIF) in the spring of 2021.

Despite the novelty and challenges of virtual gatherings, Acoustical Oceanography was well-represented in both AVE and AIF. There were 7 sessions of general topics in acoustical oceanography at AVE in addition to the Munk Award Lecture given by Dr. Larry Mayer, the recipient of the 2020 Walter Munk Award. AIF featured a well-attended special session joint with Animal Bioacoustics and Underwater Acoustics on long term acoustic time series in the ocean organized and chaired by Drs. Jennifer Miksis-Olds and Joseph Warren. The 2020 Medwin Prize in Acoustical Oceanography was awarded to Dr. Kelly Benoit-Bird and the 2021 Medwin Prize recipient is Dr. Ana Sirovic. Both prize recipients will deliver their lectures at the fall 2021 meeting in Seattle.

I am pleased to report that the AOTC voted to award F5k in technical initiative funds to the Summer Undergraduate Research or Internship Experience in Acoustics (SURIEA) program, an ASA Diversity Initiative, at AVE and approved a further \$5k for this program for 2022 if it is carried forward. In addition, the Acoustical Oceanography Technical Committee Student Support Fund, established with a gift from the estate of Eileen Medwin, was approved by the Acoustical Society Foundation Board and announced at the spring 2020 AOTC meeting.

Many thanks to our student representative, Ms. Elizabeth (Liz) Weidner, our Medals and Awards Committee representative, Dr. Martin Siderius, our technical program meeting organizer, Dr. David Knobles, our representative on the ASA Committee on Standards, Dr. Gopu Potty and our representative on the Membership Committee, Dr. Andone Lavery. Your service is gratefully appreciated, thank you.

Grant C. Deane  
Chair 2019–2022

### Animal Bioacoustics

This report covers activities of the Technical Committee on Animal Bioacoustics (TCAB) from spring 2020 to spring 2021, including the Acoustics Virtually Everywhere (AVE) meeting held in December 2020 and Acoustics in Focus (AIF) virtual meeting held in June 2021. During this period, we were still conducting life in a modified way due to the COVID-19 pandemic. Despite the challenges, several of the 55 members of TCAB have generously volunteered their time to represent Animal Bioacoustics within the Society.

At the AVE meeting, TCAB sponsored a special session: “Celebrating Peter Narins’ contributions to auditory science,” in addition to other general topic sessions that were grouped accordingly: Machine

Learning for Animal Bioacoustics Signals, Innovative Tools in Animal Bioacoustics, Parameters and Features of Animal Bioacoustics Signals, Effects of Anthropogenic Noise on Animal Behavior, and Passive Acoustic Monitoring of Animal Bioacoustic Signals. TCAB also hosted one short but sweet poster session during the AVE week. There were 37 attendees at the TCAB opening meeting where we discussed feedback about the first fully virtual meeting of the ASA, planned and shuffled a number of special sessions due to the influx nature of future ASA meetings, including finalizing the special sessions for the spring 2021 AIF meeting and continued planning for the fall 2021 Seattle meeting. We also received important updates from several TCAB representatives on various committees of the Society, surveyed TCAB members about Task Force B’s proposal for an ASA certificate course, and discussed funding for the new 2021 research internship program for under-represented undergraduates (that we now know as SURIEA).

At the second fully virtual, but shorter formatted ASA meeting, Acoustics in Focus, TCAB sponsored two special sessions: “Session in memory of Thomas F. Norris,” and “Fish bioacoustics: The past, present and future.” There were 29 attendees at the TCAB open meeting during AIF. We finalized the special sessions for the Seattle meeting, began special session planning for the Nashville meeting, and discussed TC nominating and election procedures, aiming to simplify the adopted procedures among the various TCs within the Society. We also discussed important updates from several TCAB representatives on ASA committees and highlighted ways to get involved. Many members expressed excitement about being able to meet in person again at the next ASA meeting in Seattle!

Members of TCAB are actively involved in the development of acoustic standards. Currently, there are S3/SC 1 working groups on the following: Towed Array Passive Acoustic Operations for Bioacoustic Applications, Acoustic Metadata for Passive Acoustic Monitoring, and Description and Measurement of the Ambient Sound in Parks, Wilderness Areas, and Other Quiet and/or Pristine Areas. Everybody is welcome to join working groups and actively participate.

In terms of Animal Bioacoustics Technical initiatives for 2020–2021, the ASA approved co-sponsorship and support of student and early career participation at the Effects of Noise on Aquatic Life Conference of 2022. TCAB typically offers awards for Best Paper in Animal Bioacoustics at each meeting. However, due to the unknowns of fully virtual meetings, TCAB paused the award offerings until the Seattle meeting in fall 2021 when we can meet in person again.

This report bookends my tenure as TCAB chair. It has been a pleasure working with the ASA community over the past three years in this capacity and I thank all of the members of TCAB for their support and involvement in various Society activities.

Marla Holt  
Chair, 2018–2021

### ARCHITECTURAL ACOUSTICS

The Technical Committee on Architectural Acoustics currently has about 300 members, where about 50% are students, the other 50% divided into academics and practitioners.

E. K. Ellington Scott is the current Student Representative for the TC.

### MEETINGS

1. Acoustics Virtually Everywhere, AVE (Fall 2020):  
TCAA had 69 papers presented in 9 special sessions.

95 members attended the TC meeting on Tuesday December 8th.

Best student paper awards:

TCAA awards two prizes at each meeting for best student papers. The winners for AVE were:

- 1st Place: Vidhya Rajendran “Design of efficient low-frequency sound absorbers using an array of Helmholtz Resonators”
- 2nd Place: Mincong Huang “Panoptic Reconstruction and Dynamic Synthesis of Immersive Virtual Soundscapes”

Student Design Competition (held virtually):

First Honors:

- The Ezra Rachlin Summer Pavilion. Nima Farzaneh, Tommy Metzger-Rensselaer Polytechnic Institute. Advisor: Professor Todd Brooks

Commendations:

- Riverside. Jennifer Solheim - University of Nebraska. Advisor: Erica Ryherd
- Stone of Music. Josefin Krüger, Anna Stigenberg, Leon Müller - Chalmers University of Technology. Advisors: Prof. Wolfgang Kropp and Professor Morten Lund
- Stroll-City Symphony. Zhou Chao, Yang Lu, Feng Qian—Chongqing University. Advisor: Xie Hui

Eric Reuter and Eddie Lau became fellows of the Society, and Gary Siebein received the Wallace Clement Sabine Medal.

2. Acoustics in Focus, AiF (Spring 2021): TCAA had 12 papers presented in 2 focus sessions and 11 panelists in 2 panel sessions.

61 members attended the TC meeting on Tuesday June 8th.

No student paper competition was held at this meeting.

**Other:**

In general, these 2 virtual conferences were well received by the membership, with many suggestions to improve the logistics/technology aspects. A virtual component is expected to continue in future conferences as well as in between conferences. People were especially glad to be able to attend the TC meeting virtually.

Ana Jaramillo

Chair, 2019–2022

## Biomedical Acoustics

This report will summarize the activities of the Biomedical Acoustics Technical Committee during the technical committee meeting held during the canceled Chicago meeting (Spring 2020) through the Acoustics in Focus Meeting (Spring 2021).

**Spring 2020:** The spring meeting originally slated for Chicago was canceled due to the ensuing COVID-19 pandemic. Business meetings were held, and the BATC meeting May 13, 2020 via Zoom. Preparations were held to re-organize sessions, and hope held out for an in-person meeting in the fall. Congratulations were in order for Stanislav Emilianov, Joel Mobley, and Xiaoming Zhang for being elected fellows of the ASA.

**Fall 2020 (Acoustics Virtually Everywhere):** The first all virtual event was held December 7–11 for the 179th Meeting of the ASA. There were four special sessions:

- “Death to delay and sum,” organized by Kevin Haworth and Kenneth Bader
- “Fractional calculus models of compressional and shear waves for medical ultrasound,” organized by Sverre Holm and Bob McGough
- “Modeling and measuring nonlinear ultrasound signals,” organized by Keith Wear and Tom Szabo
- “New developments in lung ultrasound,” organized by Libertario Demi and Marie Muller

A student competition was held, organized by Kevin Haworth and Kenneth Bader. Unlike years past (which was a dedicated poster session), students were judged based on their presentations. First place went to Melinda Vander Horst (University of Rochester), second place to Stacia-Marie Fletcher (Sunnybrook Research Institute), and third to Courtney Trutna (Duke University). Many thanks to all the judges: Aarushi Bhargava, Adam Maxwell, Amin Jafari Sojahrood, Christy Holland, Costas Arvanitis, Doug Mast, Eleanor Stride, Hong Chen, Jim Lancefield,

Jonathan Mamou, Juli Simon, Kenneth Bader, Kevin Haworth, Libertario Demi, Matt Urban, Meaghan O'Reilly, Mike Gray, Mitra Aliabouzar, Paul Anastasiadis, Subha Maruvada, and Xiaoming Zhang. The open technical committee meeting was held on Thursday, with more than 60 total participants. The CIRDI initiative was reviewed to provide summer fellowships to attract URM students to the field of acoustics. The committee agreed to provide technical initiative money to support the student funds. There was significant discussion regarding the format of the student competition for the technical committee. The competition organizers (Kevin Haworth and Kenneth Bader) formed a committee comprised of current student members of the BATC to review current practices and provide recommendations, which will be implemented following the Seattle meeting (Fall 2021). There was additional input on the pros and cons of the virtual platform, with an emphasis on enabling more discussion.

**Spring 2021 (Acoustics in Focus):** The 180th Meeting of the ASA was still virtual, and held as a scaled back meeting from June 8th–10th. Rather than standard special sessions, three different types of sessions were held with the expressed intent of engaging participants and attendees:

- Lighting Round Sessions (5 min talks), focused on
  - “Instrumentation and Simulation,” organized by Virginie Papadopoulos
  - “Imaging,” organized by Karla Mercado-Shekhar
  - “Therapy,” organized by Himanshu Shekhar
- Panel Discussions on topics of
  - “Transducer design,” organized by Adam Maxwell
  - “Novel imaging methods,” organized by Libertario Demi
  - “Bubble nuclei and contrast agents,” organized by James Kwan
  - “Future direction in therapeutic ultrasound,” organized by Kenneth Bader
- Workshops
  - “Passive cavitation imaging,” organized by Kevin Haworth and Michael Gray
  - “Pre-clinical models for therapeutic ultrasound,” organized by Julia Simon
  - “Instrumentation and simulation using k-wave for simulation of ultrasound pulses,” organized by Brad Treeby and Ben Cox

The technical committee meeting was held Thursday evening, with strong attendance (~ 60 participants). Discussion centered on the pros and cons of virtual meetings, and there were discussions of scaling back one meeting per year (i.e., emphasize fall or spring meeting). Congratulations were in order for Matt Urban and Greg Clement for being elected fellows of the ASA, and Subha Maruvada for her new role as vice president elect of the ASA! This was the last meeting for our current student representative, Asis Lopez (Tulane University), who will be replaced by Megan Anderson (George Washington University) at the Seattle meeting.

The efforts of everyone who contributed to the BATC over the past year are gratefully acknowledged. This includes (but is not limited to) committee members:

- Bob McGough, Membership
- Jeff Ketterling, Medals and Awards
- Julia Simon, History and Archives
- Vera Khokhlova, International Research and Education
- Wayne Kreider, ASACOS

Kang Kim and Libertario Demi are the BA TPOM representatives. Associate editors at JASA (Charles Church, Guillaume Haiat, Julien Meaud, Tyrone Porter, Brad Treeby, Juan Tu, Keith Wear, Suk Wang Yoon, and Xiaoming Zhang), at JASA-EL (Charles Church and Juan Tu), and POMA (Charles Church) for their contributions. Thanks also to all those who submitted abstracts and participated in the TC this year. Hope to see you (in person!) in Seattle!

Kenneth B. Bader

Chair, 2020–2023

## Computational Acoustics

The Computational Acoustics Technical Specialty Group (CA TSG) completed its third full year in 2021. The TSG kicked off following approval from the ASA Executive Council at the Minneapolis meeting in

Spring of 2018. Subsequently, at the Spring 2021 meeting (Acoustics in Focus), the EC approved the TSG for another 3-year term while we attempt to close the gap on the requirements to become a full TC. The CA TSG provides a forum for researchers interested in numerical methods, optimization of calculations, benchmarking, and practical application of computational models. Additional information on the formation and purpose of the TSG can be found in the *Acoustics Today* “Sound Perspectives” article (<https://acousticstoday.org/technical-specialty-group-report-computational-acoustics-d-keith-wilson/>).

The CA TSG held its fifth open meeting at Acoustics Virtually Everywhere, with 65 (virtual) attendees. At AVE, the TSG took the lead on three special sessions: “Acoustic Optimization: Methods and Applications” (chaired by Micah Shepherd), “Domain Truncation Techniques for Exterior problems” (co-chaired by Anthony Bonomo and Benjamin Goldsberry), and “Ray Methods Across Acoustics” (co-chaired by Michelle Swearingen and Jennifer Cooper). The latter is part of an ongoing series of special sessions highlighting various computational methods.

At the Acoustics in Focus meeting, the CA TSG sponsored two focused sessions: “Computational Methods for Complex Media and Geometries” (co-chaired by Kuangcheng Wu and D. Keith Wilson) and “Normal Modes across Acoustics” (co-chaired by Jennifer Cooper and Michelle Swearingen). The CA TSG also held a tutorial session (jointly with Musical Acoustics) on “Tutorials on Computation Techniques and Best Practices” (organized and co-chaired by Kimberly Riegel and Gary Scavone), which featured tutorials on topics such as finite element and boundary element methods, parabolic equation methods, finite difference time domain methods for room acoustics, and uncertainty quantification. A Lightning Round session was also held on “Innovative Ideas for Computational Acoustics” (chaired by Mallory Morgan). This format proved well suited to communicating timely ideas and computational tips. The CA TSG’s open meeting at AiF had 38 virtual attendees.

The CA TSG chair is particularly grateful to Kimberly Riegel for helping to launch the new CA TSG web site this year, to Jennifer Cooper for serving so capably as the CA Technical Program Organizer for the past several years, and to Amanda Hanford for transitioning into the TPO role starting with the Acoustics in Focus meeting.

Laura Brill, Ralph Muehleisen, and Jennifer Cooper led the TSG’s first instance of its Early Career Presenter award competition, held at the AVE meeting. The competition was extremely close and resulted in three awards, to Philipp Schäfer (“Ray tracing for efficient simulation of curved sound propagation paths: Towards real-time auralization of aircraft noise”), Jonathan Broyles (“Investigation of optimization techniques on structural-acoustical shaped concrete slabs in buildings”), and Trevor Wilson (“Modeling infrasound propagation from tornado producing storms”).

The CA TSG would like to thank the many editors involved in computational acoustics for ASA publications: Kuangcheng Wu is the *JASA* Coordinating Editor for CA; John B. Fahline, Nail A. Gumerov, Ying-Tsong Lin, Steffen Marburg, Assad Oberai, and Nickolas Vlahopoulos serve as the *JASA* Associate Editors for CA; Vlahopoulos and D. Keith Wilson are *JASA Express Letters* AEs for CA; and Matthew Blevins and Amanda Hanford are *POMA* AEs for CA.

We look forward to seeing our friends and colleagues in Seattle! The CA TSG welcomes ideas and participation from all members of the ASA interested in computational acoustics. Please consider getting involved in our activities!

D. Keith Wilson  
Chair, 2021–2024

## Engineering Acoustics

This annual report reviews the efforts in Engineering Acoustics (EA) from between June 2020 and May 2021. The information in this report is inclusive of the 179th meeting, which was held online December 7–11, 2020 and called “Acoustics Virtually Everywhere,” and the 180th meeting also a virtual event, which was called “Acoustics in Focus,” that was held June 8–10, 2021. In that time span, the members and contributors to the Technical Committee on Engineering Acoustics (TCEA)

published 38 full-length articles in The Journal of the Acoustical Society of America under the category of Engineering Acoustics.

TCEA-sponsored sessions in the 179th Meeting included two special sessions and one multi-day *ad hoc* session. The two special sessions were “Advanced Materials for Acoustic Transducers,” (4aEA) chaired by Thomas Blanford and Michael Haberman and “Microphones: From Rock Stars to Rockets” (3aEAa, 3aEAb, 3pEAa, 3pEAb) chaired by Vahid Naderyan, Sandra Guzman, Neil Shaw, and Ed Okorn. The *ad hoc* session was a General Topics in Engineering Acoustics session (1aEA, 1pEA, 4pEA, 5aEA) chaired by Thomas Blanford, Caleb Sieck, and Michael Haberman. The Engineering Acoustics Open Committee meeting was held on 3 December 2020 via Zoom, which allowed attendees from a wide range of locations, resulting in better than usual attendance (approximately 45 attendees). The topics of discussion were primarily centered, as usual, on organization of special sessions and updates on publications, standards, and technical initiatives. Given the nature of the virtual format, there was also a considerable amount of feedback on the virtual format, which was not ideal for many in terms of content delivery and interaction with colleagues. However, the ability to avoid travel was one positive component, particularly for members that may have difficulty traveling. The new student council representative, Zane Rusk from Penn State University, was introduced to the committee. One notable point of discussion was regarding the new ASA Committee to Improve Racial Diversity and Inclusivity (CIRDI). TCEA committed \$1500 of the Technical Initiative funds to CIRDI to help create programs for this effort. No Best Student Paper awards were offered in either virtual given the difficulty of arranging for reasonably consistent judging in the format. Details of that meeting were provided in the meeting minutes prepared by the TCEA chair.

The 180th Meeting, entitled “Acoustics in Focus,” differed in format from traditional ASA meetings in that technical sessions were only delivered on three days and all session topics were organized more akin to special sessions, but were called “focused sessions.” TCEA-sponsored four focused sessions in this meeting, “Back to the Future: Historical Perspectives and Current Engineering Topics,” (3aEA) which was chaired by Michael Haberman and Roger Richards, “Engineering Acoustics in Industry,” (3pEA) chaired by Michael Haberman and Gary Elko, “Emerging Topics in Engineering Acoustics,” (1aEA, 1pEA) chaired by Thomas Blanford and Caleb Sieck, and “Acoustic Transducers and Transduction Mechanisms,” (2pEA) chaired by Thomas Blanford and Vahid Naderyan. The Engineering Acoustics Open Committee meeting was held on 3 December 2020 via Zoom, at 6 PM EDT on June 8, 2021 with approximately 30 attendees. The topics of discussion were primarily centered on organization of special sessions and updates on publications, standards, technical initiatives, and recruitment of members to TCEA and the ASA in general. It was announced that the 181st Meeting, planned for Seattle, would be held live, the first in-person meeting since the 178th Meeting in San Diego, CA. Notable announcements included the re-election of Michael Haberman as TCEA chair for a second term, Steven Thompson (Penn State) agreed to another term on Medals and Awards committee, and Yun Jing (Penn State) as the new TCEA representative to the Membership Committee. Additionally, the TCEA chair solicited information for contributions to the Hot Topics presentations and content for a Technical Committee Report for the Winter 2021 issue of *Acoustics Today*. Details of that meeting were provided in the meeting minutes prepared by the TCEA chair.

Michael Haberman  
Chair, 2018–2024

## Musical Acoustics

This report covers the activities of the Technical Committee on Musical Acoustics (TCMU) for the period May 2020 to May 2021. Andy Piacsek chaired the committee, serving the second year of his three-year term.

The representatives to the Society committees were: Thomas Moore, Medals and Awards; Jonas Braasch, newly appointed to the Committee on Standards; William Hartmann, Membership; Jim Cottingham, Tutorials, and Mark Rau, Student Council.

The following TCMU members were reappointed for a three-year term: Ernesto Accolti, Judit Angster, Rolf Bader, Xavier Boutillon, Jonas



Braasch, Murray D. Campbell, Whitney L. Coyle, Nicholas J. Giordano, William M. Hartmann, Keith A. Moore, John C. Price, Brad H. Story, Sten O. Ternstrom, Stephen C. Thompson, George Tzanetakis, Christopher E. Waltham, Rand S. Worland, Shigeru Yoshikawa.

Associate editors of the society publications for the area of musical acoustics were Thomas Moore, Andrew Morrison, Tamara Smyth, and Psyche Louie (JASA); D. Murray Campbell (JASA Express Letters); and Whitney Coyle (POMA). The Technical Program Organizing Committee (TPOM) representatives for the fall meeting (AVE) were Péter Rucz and Chris Jasinski; for the spring meeting (AiF), the representatives were Chris Jasinski and Chris Elmer. Andrew Morrison maintains the TCMU website.

Andrew Morrison was named a Fellow of the ASA at the Spring 2020 administrative meetings and recognized during the Fall AiF plenary session.

A special JASA issue on Modeling of Musical Instruments will be published in 2021. There were 30 manuscripts submitted for this special issue. Guest editors are Nicholas Giordano and Vasileios Chatziioannou.

The past year posed many challenges for the organizing meetings and presenting research. Multiple special sessions and a technical tour that had been planned for Chicago were repeatedly postponed.

For the Acoustics Virtually Everywhere meeting held in December 2020, only one special session was sponsored by TCMU, "Musical Acoustics Education at the Undergraduate Level," along with several general topics sessions and a virtual poster session. John Granzow gave a Hot Topics talk on Additive Manufacturing in Musical Acoustics. Student participation at AVE was exceptional, with 13 entries for the best student paper competition in MU. First place went to Song Wang (McGill University) for paper 3aMU2 and second place went to Erik Rokni (Penn State) for paper 3pMUb2. Approximately 50 people attended the TCMU open meeting held via Zoom. Outcomes of this meeting include the creation of a Slack channel for communication among TCMU members and a site on AirTable to share educational resources, both of which support an initiative from Task Force D, and a vote to donate unspent 2020 technical initiative funds to support students at the CIRD Summer Internship.

The Acoustics in Focus meeting held in May 2021 included four focused sessions sponsored by MU (Guitar Acoustics; Numerical Methods; Acoustics of Harps and Zithers; Focus on Students and Early Career) and a Tutorial on Computational Techniques cosponsored with CA. Nine presentations were given by students eligible for best paper; First place went to Douglas Beaton (McGill University) for paper 2aMU4 and second place went to Colin Malloy (Univ. Victoria) for paper 3aMU3. The virtual open meeting of TCMU had 48 attendees. Votes were taken to keep the current process for nominating and electing the TC chair. Several members indicated that they will likely not be able to attend the Seattle meeting in person. Travel to the U.S. by foreign nationals is especially problematic.

Andy Piacsek  
 Chair, 2019–2022

## Noise

During 2020–21, the membership of the Technical Committee on Noise (TCNS) continues to be active in the Society and been honored to serve. Victor Sparrow served as Past President of the Society while Peggy Nelson served as Past Vice President and has subsequently been elected to President-Elect for the current term, 2021–2022. Two members of TCNS currently serve on the Executive Council, Bennett Brooks and Tracianne Nielsen. All have been active within TCNS through chairing sessions and helping to organize recent meetings.

Due to the pandemic, International Year of Sound of 2020 was extended through 2021. Many TCNS members have participated in related events, including the development and editing of Wikipedia pages as a platform for increasing awareness and educating the general public about the science of acoustics.

TCNS has promoted the development of upcoming talent. This year marks the sixth year of the Leo and Gabriela Beranek Scholarship in Architectural Acoustics and Noise Control. This year's recipient is Samuel Underwood who is pursuing his Ph.D. in Architectural Engineering (Acoustics) at the University of Nebraska. TCNS member Dr. Lily Wang is Samuel's advisor. Mr. Underwood's primary research

interest considers the impact of noise and room acoustics on speech comprehension, particularly among non-native listeners. In addition, this year is the fifth year for the Virginia and Frank Winker Memorial Scholarship for Graduate Study in Acoustics. In an unusual turn of events, Mr. Underwood was also the recipient of this award. Without denying the high merit of Mr. Underwood's application, his was the only application submitted for the 2021 Winker Memorial Scholarship. I strongly encourage faculty at all universities to encourage students to apply for these two scholarships. I, along with the other members of the Beranek scholarship committee [Ana Jaramillo (TCAA Chair), Bennett Brooks, Alex Case, and Kristen Murphy] and the Winker scholarship committee [Christopher Struck (ASA Standards Director), Ana Jaramillo (TCAA Chair), Michael Haberman (Chair TCEA), Daniel Russell (Committee on Education in Acoustics Chair), and myself] have been privileged to review the applications of the students.

Due to the pandemic, the Fall 2020 Meeting was conducted online via a virtual meeting service provider and re-branded "Acoustics Virtually Everywhere" (AVE). This was a first for ASA and much credit goes to the hard work of everyone at ASA (members and staff) who was involved in the organization and operation of the meeting. Despite some issues with the online platform and its support, the meeting can for the most part be considered a resounding success with more than 1100 abstracts submitted and approximately 1300 registered participants. TCNS had seven special sessions, including a session honoring the work of Elliott Berger and sessions in memory of TCNS members recently passed, Richard Lyon and Larry H. Royster. Unfortunately, due to the added workload in organizing the virtual meeting, no Young Presenter awards were given at AVE.

With the continuation of the pandemic, the Spring 2021 Meeting was also conducted virtually, this time on a different online platform and in a shortened format, branded "Acoustics in Focus" (AiF). TCNS led three special sessions, with a total of 37 papers. One of the special sessions, with 12 papers, was on "Pandemic Noise Reduction/Impact," which was well attended.

Ongoing TCNS Technical Initiatives include a wearable NIOSH app style real time sound level display for outreach and education (organized by Eric Reuter and David Woolworth) and online archive of the Chuck Ebbing library (by Brandon Cudequest).

Thanks to following people who have represented TCNS within the ASA during this time: Brigitte Schulte-Forkamp on the Medals and Awards Committee and Eric Reuter who has taken Brigitte's place on the committee as her term ended, Bonnie Schnitta on the Membership Committee, Aaron Vaughn and Kenton Hummel on Student Council, Rich Peppin on ASACOS (Committee on Standards), Christopher Struck (Standards Chair) and my fellow Technical Program Organizers Bill Murphy and Hales Swift. The JASA Associate Editors for Noise are Anurag Agarwal, Jordan Cheer, Sanford Fidell, Kirill Horoshenkov, Yun Jing, David Michaud, William Murphy, and Alan Wall. The JASA Express Letters Associate Editors for Noise are Siu-Kit (Eddie) Lau, Alexandra Loubeau, and Tracianne Neilsen. The Assistant Editor for the Proceedings of Meetings in Acoustics is Kent Gee with Cameron Fackler and William Doebler serving as associate editors for noise. I also welcome the following new members to TCNS who have been selected to join their peers for the term ending in 2024: Gordon Ebbitt, Jeff Szymanski, Jordan Cheer, and Yun Jing.

My apologies to anyone whose contribution I may have overlooked in the above report. Please do not hesitate to let me know if I did.

My term as Chair of TCNS has come to an end and I am passing the gavel to our incoming Chair, Alexandra Loubeau. I am sure she will find the experience as rewarding as I have. Thank you, all.

James E. Phillips  
 Chair, 2018–2021

## Physical Acoustics

This report summarizes the activities of the Physical Acoustics Technical Committee following the Spring 2020 virtual Open TC meeting through the Acoustics Virtually Everywhere Fall meeting to the Acoustics in Focus Spring meeting in June 2021. On May 20th, 2020 Joel Mobley took over as chair from Veerle Keppens. Joel will serve through the Spring meeting in 2023.

## Acoustics Virtually Everywhere

Special Sessions for the AVE meeting included “Acoustical Measurements Through Optical Principles” (Greg Lyons and Thomas Moore) and “Acoustofluidics” (Charles Thompson, John Meacham, Kedar Chitale, and Max Denis).

The student paper contest winners for the meeting were awarded in March. First place went to Yuval Philipson for the paper “Application of a dual stage exhaust system using expansion chambers for Formula SAE.” The panel decided to award second place to two contestants. The awardees were Yoav Vered for the paper “Adaptive model-based control of boundary impedance in an acoustic impedance tube” and Jiacheng Hou for the paper “Time-domain simulation of acoustic wave scattering and internal propagation from gas bubbles of various shapes.” Thanks to Kent Gee for organizing the contest, and Kevin Lee, Michael Muhlestein, and Won-Suk Ohm for serving as judges.

## Acoustics in Focus

PATC Special Sessions for the AiF meeting included “Acoustic Wave Propagation Through Polydisperse Scatterers” (Nick Ovenden, Eleanor Stride), “Sonic Boom: Modeling, Measurement, Annoyance and Standards Development” (Joel Lonzaga and Alexandra Loubeau), and “Acoustical Methods and Sensors for Challenging Environments” (Cristian Pantea and Dipen Sinha).

Several TC members were recognized for their accomplishments. Likun Zhang was awarded the 2021 R. Bruce Lindsay Award at the plenary session in recognition of his early-career accomplishments. The Helmholtz-Rayleigh Interdisciplinary Silver Medal in Physical Acoustics and Engineering Acoustics was awarded to Michael Moldover for establishing spherical acoustic resonators as the foundation of the Kelvin in the International System of Units. Additionally, Subha Maruvada and Tracianne Nielsen were congratulated on their elections as ASA Vice President Elect and Executive Councilmember, respectively.

Prior to the meeting, Ferdousi Rawnique was named the new Student Council representative for the TC. Ferdousi is a Ph.D. student in the acoustics program at Penn State. She will be replacing our current representative, Blake Simon, after the Fall 2021 meeting in Seattle.

The new webmaster for the TC is Aaron Vaughn. Aaron is replacing Alexandra Loubeau who has been elected as chair of the Noise TC.

At the open TC meeting, new procedures for the election of the committee chair were discussed. The issues addressed were the composition of the nominating committee, voting eligibility, and the tiebreaking procedure. Polls were conducted in the meeting and the results were as follows: the committee will consist of the current and past two chairs, voting will be restricted to official members of PATC only, and ties will be broken by the current chair. The only change from our previous procedures was with the voter eligibility question. This change will bring our committee more in line with other TC's across the Society.

The rescheduling of three co-sponsored meetings were announced. The International Symposium on Nonlinear Acoustics will now take place on July 3rd–8th, 2022 in Oxford, UK. The Winter School for Therapeutic Ultrasound has been moved to 2023. Last, the Physical Acoustics Summer School (PASS) will take place in the late spring of 2022.

Time was taken in the meeting to pay tribute to David Blackstock, an extraordinary scientist, mentor, and colleague, who passed away earlier in 2021. Mark Hamilton shared photographs and memories of David, and many attendees spoke about his impact on their lives.

Joel Mobley  
Chair, 2020–2023

## Psychological and Physiological Acoustics

This report covers the activities of the Technical Committee on Psychological and Physiological Acoustics (P&P) from May 2020 through June 2021, which includes the two virtual meetings Acoustics Virtually Everywhere (December 2020) and Acoustics in Focus (June 2021). It was my first year as TC chair, and a strange one indeed given the ongoing COVID-19 pandemic. I am grateful to Erick Gallun for his help and support.

Acoustics Virtually Everywhere was well-attended by members of P&P, which is a bit unusual for a Fall meeting, but likely resulted from the cancelled Spring 2020 meeting and the easily accessible virtual format. This meeting featured one P&P special session (“Honoring William Yost’s Contributions to Psychological Acoustics”) as well as several poster and podium sessions assembled from contributed abstracts. At the Awards ceremony Judy Dubno was awarded the Gold Medal and gave a wonderful acceptance speech. Ellen Peng was the Technical Program Organizer for this meeting. The Open Meeting of the P&P technical committee was held on zoom and was attended by around 90 people.

Acoustics in Focus was lightly attended by members of P&P. By design, the technical program was compressed, and aimed to give students and early career researchers a chance to present their work. P&P hosted one Special Session (“Linking Psychological and Physiological Acoustics”) and one workshop (“Open Source Audio Processing Platform – Live Workshop!”). At the Awards ceremony we recognized four new P&P Fellows: Dan Tollin, Pam Souza, Kathryn Arehart, and Brian Simpson. Anna Diedesch was the Technical Chair for this meeting and Ellen Peng was the Technical Program Organizer. The Open Meeting of the P&P technical committee was held on zoom and was attended by around 60 people. At this meeting we thanked six elected members who ended their terms on the elected P&P technical committee (Michael Akeroyd, Anna Diedesch, Richard Freyman, Antje Ihlefeld, Alan Kan, Elin Roverud) and welcomed six new members (Julie Arenberg, Ellen Peng, Bonnie Lau, Anahita Mehta, Andrew Brown, Skyler Jennings).

The 2021 William and Christine Hartmann Prize in Auditory Neuroscience was awarded to Philip Joris. Because of all the cancelled in-person meetings, the 2020 recipient Ed Rubel will give his lecture at the Fall 2021 meeting in Seattle, and Philip will give his lecture at the Spring 2022 meeting in Denver. To get back on track, no award will be made in 2022. Hedwig Gockel joined the Hartmann Prize committee in 2020, taking the place of Ruth Litovsky who ended her term.

The pandemic inspired two new P&P initiatives in 2020–2021. The Task Force on Remote Testing was created with the goals of identifying and coordinating information on remote testing, which became particularly acute during the pandemic. It is chaired by Chris Stecker and has many contributing members. The activities of the task force resulted in a live wiki page that will continue to be updated, and a JASA paper is under way. The P&P Virtual Journal Club is a monthly journal club, held via zoom, that has been running since September 2020. It was initiated by Erol Ozmeral, who put together an ad hoc committee including myself, Erick Gallun, Christopher Conroy, and Anna Diedesch. The goal of the journal club was to provide a new avenue for interaction within the P&P community, especially in the absence of in-person meetings, and bring attention to recently published work in P&P. It has been well-attended and a great success. P&P was also involved in ASA’s new monthly Webinar series. Luke Baltzell served on the inaugural working group, and Andrew Oxenham was the featured speaker in July 2021.

This year P&P continued to be engaged in the activities of ASA’s Committee to Improve Racial Diversity and Inclusion (CIRDI). Peggy Nelson is a member of this committee, and she along with Adrian K. C. Lee and Lina Reiss participated as lecturers/mentors in the first Summer Undergraduate Research or Internship Experience in Acoustics (SURIEA) held this summer. We look forward to seeing this program grow and will continue to support CIRDI in any way we can.

Finally, two very sad events for our community in the past year were the passing of Neal Viemeister in November 2020, and Glenis Long in July 2021.

Looking ahead, ASA Leadership will include the following P&P members in the coming year: Peggy Nelson (President-Elect), Judy Dubno (Treasurer). The following will serve as ASA Committee chairs and/or P&P ex officio members: Beth Strickland (Chair, Membership committee), Brenda Lonsbury-Martin (Chair, Awards and Medals committee), Bill Hartmann (Membership committee), Lori Leibold (Membership committee), Andrew Oxenham (Medals and Awards committee), Eric Hoover (Committee on Standards), Daniel Guest (Student Council), Brian Monson (Education in Acoustics), Anna Diedesch (Women in Acoustics), Ellen Peng (Tutorials/Short Courses/Hot Topics committee), Karen Helfer (Prizes and Special Fellowships committee), Chris Stecker (Books committee), Adrian KC Lee (International Liaison committee, Education in Acoustics), Erick Gallun (2022 Nominating Committee). We are grateful for the ongoing hard work put in by Chris

Stecker (P&P coordinating editor for JASA) and all of the associate editors for JASA, JASA-EL, and POMA. I am sorry if I have missed anyone.

I am excited for the coming year and especially the return to in-person meetings. P&P has full and lively programs in the works for both the Fall 2021 meeting in Seattle and the Spring 2022 meeting in Denver. Keep an eye on the P&P webpage for news and updates (<http://tcspasa.org/>).

*Virginia (Gin) Best*  
Chair, 2020–2023

## Signal Processing in Acoustics

The Technical Committee on Signal Processing in Acoustics (TCSP) concludes a productive, albeit challenging, year highlighted by a wide-ranging set of special sessions addressing various signal processing challenges faced in acoustics. Geoffrey Edelmann of the Naval Research Laboratory was elected to be the new chair of TCSP from 2021 to 2024 to replace Brian Anderson of Brigham Young University.

At the fall 2020 Acoustics Virtually Everywhere Meeting that was held online we hosted four special sessions: “Acoustic source localization” was organized by Eliza Michalopoulou, Thomas Wong, and Paul Gendron and featured talks discussing various techniques used to locate sources. “Machine learning in acoustics” was organized by Erin Fischell, Wu-Jung Le, and Dan Plotnick and featured talks on an increasingly popular technique to learn from data sets. “Random matrix theory in acoustics” was organized by Kathleen Wage and John Buck and featured talks on applications of the theory to acoustics. “Knowledge discovery and representation for signal processing” was organized by Ananya Sen Gupta and Ben Taft and featured talks on bridging the gap between physical models and statistical ones. Technical Program organizers were Eric Dieckman and David Geroski.

For the spring 2021 Acoustics in Focus Meeting that was held online, we hosted four special sessions: “Bayesian signal processing and machine learning” was organized by Ning Xiang and Stan Dosso and featured 19 talks discussing research where the computer learns from data and predicts new outcomes. “Signal processing for environmental sensing” was organized by Ananya Sen Gupta and Thomas Wong and featured 12 talks on techniques to analyze pollution using acoustic signatures in different environments. “Signal processing methods and applications for autonomous vehicles” was organized by Amanda Lind and Georgios Sklivanitis and featured 5 talks and focused localization, sensing, and classification of acoustic events. “Recent research in acoustic signal processing”, a lightning round session of 5-min talks, was organized by Brian Anderson and Trevor Jerome and featured 6 talks on various topics. Technical Program organizers were Efrén Fernández-Grande and Ryan Harne.

We thank Shima Abadi for arranging the judging of the Best Student Paper Award for both virtual meetings. The Best Student Paper Award in Dec. 2020 was split in a three-way-tie. The best presentations were given by Felix Schwock from the Univ. of Washington, Ryan Corey from the Univ. of Illinois, and David Geroski from the Univ. of Michigan. The 1st place Best Student Paper Award in Jun. 2021 was given to Kristen Railey from MIT and the 2nd place award was given to Nikita Pinto from the Indian Institute of Technology Madras.

The Gallery of Acoustics competition began in 1995 and was held nearly every year from then until 2019. The Gallery was an opportunity to showcase the artistic side of research and various image and video competitions were held over the years. Many of the competition winners are listed at <https://tcspasa.org/gallery-of-acoustics>. The competition has run its course and was decided to be retired. We thank Michael Muhlestein of ERDC-CRREL for his recent management of the competition.

The TCSP plans to sponsor an International Student Challenge problem in 2022. The problem and solution requirements are planned to be described in the Mar. 2022 issue of Acoustics Today and submissions will be due by Oct. 31, 2022. Brian Ferguson, Lee Culver, and Kai Gemba will manage the competition.

Our student representative is currently Matthew Byrne of the University of Texas. Samuel Bellows of Brigham Young University, will transition into this role at the fall 2021 meeting. John Buck, Univ. of Mass. Dartmouth serves as the TCSP representative to the Membership

Committee and as our rep to the Education in Acoustics Committee. Ning Xiang of Rensselaer Polytechnic Institute serves as representative to the Medals and Awards Committee. Natalia Sidorovskaia of the Univ. of Louisiana Lafayette serves as TCSP representative to the ASA Committee on Standards. Ryan Harne of Penn State maintains the TCSP website and the site is located at <http://tcspasa.org>. A talented and conscientious group of associate editors serves the TCSP and we are immensely grateful for their patience and care this year. We thank the following Associate Editors for the JASA in Signal Processing, Jianlong Li, Zoi-Heleni Michalopoulou, Karim Sabra, Thomas Wong, Julian de Rosny, and Efrén Fernández-Grande. Peter Gerstoft serves as our coordinating editor to JASA. Our JASA-EL Associate Editors are John Buck, David Swanson, Buye Xu, and Paul Gendron. Our POMA Associate Editors were Ryan Harne and Jeff Rogers.

We look forward to meeting in person again at our fall 2021 meeting in Seattle, WA. TCSP will continue to lead scientific efforts to advance the theory and methods of inference from ever-increasing volumes of acoustic observations.

*Brian Anderson*  
Chair, 2018–2021

## Speech Communication

This report covers the activities of the Technical Committee on Speech Communication (SCTC) from May 2020 through June 2021, which includes two virtual meetings: Acoustics Virtually Everywhere in December 2020 and Acoustics in Focus in June 2021. Both meetings were well attended by the SCTC members.

SCTC sponsored three special sessions during AVE: “Reintroducing the High-Frequency Region to Speech Perception Research,” organized by E. Jacewicz and R. Fox, “Listening in Challenging Circumstances,” organized by K. Van Engen and M. Baese-Berk, and “Developing a Cross-Platform Federated Code Repository for Speech Research,” organized by C. Redmon, M. C. Kelley, and B. Tucker. Following the discussions during the last special session, Speech and Language Resource Bank, <https://www.slr.net/>, has been launched! Thank you to the Technical Program Organizers: C. Yoonjeong Lee, S. Levi, and M. Faytak.

Over 100 students entered the Student Poster Competition during AVE. There were two first-place winners: Ja Young Choi, for her presentation “Parametrically varying speech adapter length suggests two mechanisms for talker adaptation” and Rebecca Bieber for “Insights into rapid adaptation to Spanish-accented English words in younger and older adults.” The Student Poster Competition was organized by I. Shport, R. Hayes-Harb, and R. Smiljanic. Congratulations to the winners and big thanks to the 51 volunteer judges who made this work so well.

Three special sessions were organized for the AIF meeting: “Teaching speech and hearing science to undergraduates,” organized by T. Bent, J. Lentz, and P. Reed, “Ideas worth reconsidering in speech perception and production,” organized by R. Wright and M. Winn, and “Testing intelligibility remotely / remote data collection” organized by P. Bottalico, E. Hunter, and S. Keerstock. The virtual sessions included Focused Presentations & Discussions, Lightning Round Talks and a Tutorial Session. The attendees provided positive feedback about the variety of session types. C. Zhao, S. Levi, and M. Faytak were the technical program organizers.

SCTC Virtual Open Meetings were held at both AVE and AIF. More than 90 members were able to attend each meeting from a number of different countries and time zones. Attendees were in favor of incorporating remote attendance for future open meetings even when in-person meetings return. SCTC members also feel strongly that some form of virtual attendance during the technical program would be needed for members who cannot afford to travel to the meetings.

ASA continues to recognize excellence of SCTC members. Congratulations to Joanne Miller, a recipient of the 2021 Silver Medal in Speech Communication, and Ruth Litovsky, a recipient of the 2021 Silver Medal in P&P! Congratulations to the new Fellows elected at the fall 2020 and spring 2021 meetings: Joan Sereno “For contributions to speech learning, perception and production across individuals and languages,” Ewa Jacewicz “For contributions to the understanding of spectral and temporal dynamics in speech acoustics and perception,” Richard Wright



“For contributions to understanding how variability in spoken language impacts communication,” and Adrian KC Lee “For contributions to our understanding of auditory attention.”

This year, we had two recipients of the 2021 Stetson Scholarship in Phonetics and Speech Production: M. Oh, USC, for “Articulatory dynamics and stability of multi-gesture complexes” and H. Rowe, MGH IHP, for “Exploring the validity of articulatory impairment phenotypes in speech motor disorders.” H. Weerathunge, BU, was the Honorable Mention recipient for her project “Investigating effects of auditory and somatosensory feedback in vocal and articulatory motor control functionality for typical speakers and speakers with Parkinson’s disease-based motor speech disorders.” Congratulations to all! We thank the selection committee, S. Levi, M. VanDam, M. Redford (Chair), M. Znartu, and S. Narayanan for their time and effort in reviewing the applications.

The efforts of everyone who contributed to the SCTC are greatly appreciated. This includes, but is not limited to: SCTC Awards Subcommittee, A. Jongman, L. Polka, Z. Zhang, R. Smiljanic; SCTC representatives on the ASA Webinar Series committee: R. Wright, C. Zhao and L. Polka (chair); Members of the SCTC advisory group: M. Baese-Berk, M. Beckman, K. Berkson, A. Bradlow, F-X. Brajot, C. Clopper, L. Koenig, B. Munson, K. Nishi, M. Redford, O. S. Bohn, K. Tajima, K. Van Engen, K. Yoneyama, P. Bottalico, L. Dilley, T. Flores, W. Herd, N. Jakovnik, D. Kewley-Port, P. Kuhl, S. Narayanan, L. Polka, R. Theodore, J. Thorson, B. Tucker, M. VanDam, R. Wright, M. Wroblewski, M. Zanartu, D. Baskent, A. Francis, M. Kiefe, S. Levi, J. Sereno, C. Stilp, B. Story, and Z. Zhang. We are grateful to M. Oh, USC, our outgoing representative on the Student Council and we welcome L. Cheng, The University of Kansas, as our new representative.

SCTC members who served in ASA Leadership roles, on committees and Task Forces include: D. Kewley-Port (President), Maureen Stone (President-Elect and Finance), Ben Munson (Membership Committee), Fredericka Bell-Berti (Archives and History), Tessa Bent (Member Engagement), Zhaoyan Zhang (Medals and Awards, ASACOS), Fredericka Bell-Berti, Suzanne Boyce, and Benjamin Tucker (Education in Acoustics); Alex Francis (Panel on Public Policy), and Christine Shadle (Prizes and Special Fellowships, Ethics and Grievances, ASA Books); Catherine Rogers (College of Fellows Steering); S. Lulich (Virtual Technology Task Force); and R. Smiljanic (Committee on International Research and Education). Peggy Nelson is the new President-Elect. The following served as JASA, JASA-EL, and POMA Associate Editors: S. Fuchs, E. Jacewicz, A. Lofqvist, Z. Zhang (Coordinating Editor), D. Baskent, J. Kreiman, M. Sundara, B. V. Tucker, D. Derrick, B. H. Story, M. Cooke, R. M. Theodore, K. Nishi, M. Renwick, and M. Baese-Berk.

Many thanks to all!

Rajka Smiljanic  
Chair, 2019–2022

## Structural Acoustics and Vibration

This annual report covers activities and meetings of the Structural Acoustics and Vibration Technical Committee (SAVTC) occurring during the one-year 2020–21 period beginning after the Spring 2020 ASA Administrative/JC meetings (with the ASA Chicago S2020 cancelled due to the pandemic) and through the Spring 2021 ASA meeting. Specifically, these two meetings, both virtual, included the Fall 2020 ASA “Acoustics Virtually Everywhere” (AVE) meeting and the smaller and more narrowly focused Spring 2021 ASA “Acoustics In Focus” (AIF) meeting. Despite the challenges, uncertainties, and extra hard work required during this unprecedented pandemic, the SAVTC admirably persevered and sponsored, organized, and executed a fruitful and successful set of special sessions, and hosted Best Student and Young Presenter competitions, at both virtual ASA meetings held during this period.

During this period, Robert Koch completed the third and final year of his 2018–2021 term as chair of the SAVTC. Happily, an SAVTC election was held in the Spring of 2021 with Christina Naify being elected as the new Chair of the Committee for the 2021–2024 term. Christina will undoubtedly do a wonderful job.

The SAVTC extends its gratitude to the many SAVTC members and friends of SAV who actively participate as volunteer lead representatives for numerous ASA committee and editorial activities including, but certainly not limited to:

- A. J. Lawrence (Student Council)
- James Phillips (Medals and Awards)
- Robert Koch (ASACOS)
- Robert Koch (Membership Committee)
- Ryan Harne (SAVTC Web Page)
- Matthew Kamrath (Education in Acoustics Committee)
- Ben Shafer (Student Paper Competition)
- Anthony Bonomo, Stephanie Konarski, Ben Shafer, and Robert Koch (Technical Program Organizers)
- Nicole Kessissoglou (new Coordinating Editor), Li Cheng, Kai Ming Li, Steffen Marburg, Laurent Maxit, Marcel C. Remillieux, Franck Sgard, (JASA Associate Editors for SAV)
- Greg McDaniel (JASA Express Letters Associate Editor for SAV)

### 179th ASA “Acoustics Virtually Everywhere” (AVE) Virtual Meeting, 7–11 December 2020

During the 179th ASA AVE virtual meeting, SAVTC sponsored the following three special sessions and one General session of contributed papers with a total of 44 papers presented (2 invited, 42 contributed):

- **Acoustic metamaterials:** Chairs, Christina Naify, Alexey Titovich, and Bogdan Popa
- **Non-contact vibration measurement methods:** Chairs: T. J. Flynn, and Ben Shafer
- **Active or tunable structural acoustics:** Chairs, Christina Naify, and Ben Beck
- **General Topics in Structural Acoustics:** Chairs, Ben Treweek, and Trevor Jerome

The TPOM representatives were Anthony Bonomo, Stephanie Konarski, Benjamin Shafer, and Robert Koch.

SAVTC had 20 papers entered in the Best Student and Young Presenter competition at the 179th ASA AVE Virtual Meeting. Ben Shafer coordinated the competition, using a novel new online remote rating system, and the winners were:

#### 1st Place

Ganesh Umesh Patil, University of Illinois, Urbana-Champaign, IL

Three-dimensional periodic multifunctional lattice materials for simultaneous vibration isolation and heat conduction

#### 2nd Place

Matthew Kelsten, Rutgers University, Piscataway, NJ

Passively achieving mode coalescence in acoustic waveguides with simple resonators

Congratulations to both the student winners above!

In addition, a highly prestigious ASA society-level award earned by a long-time distinguished member of the SAV Technical Committee at the ASA AVE meeting should be specifically noted here. SAVTC Member Scott D. Sommerfeldt was awarded the Silver Medal in Noise “For contributions to active noise and structural acoustic control.”

Sincere Congratulations, Scott! A wonderful achievement, richly deserved!!

### 180th ASA “Acoustics In Focus” (AIF) Virtual Meeting, 8–10 June 2021

At the 180th ASA AIF virtual meeting which was a three-day focused-sessions meeting by design, SAVTC sponsored the following two special sessions (with a focus on metamaterials in acoustics) with a total of 24 papers presented (10 invited, 14 contributed):

- **Acoustic metamaterials:** Chairs, Christina Naify, Alexey Titovich, and Bogdan Popa
- **Capabilities and limitations of the computational analysis of metamaterials:** Chairs, Anthony Bonomo, Ben Goldsberry, and Amanda Hanford

The SAVTC TPOM representatives for the May 2020 Chicago meeting were Anthony Bonomo, Stephanie Konarski, Benjamin Shafer, and Robert Koch.

SAVTC had 9 papers entered in the Best Student and Young Presenter competition at the 180th ASA AIF Virtual Meeting. Ben Shafer coordinated the competition, continuing to use and further refine his new online rating system, and the winners were:

#### 1st Place

Colby Cushing, University of Texas at Austin, TX

Investigation of an additively manufactured pentamode material using non-contact vibration transmissibility measurements

2nd Place

Steven Craig, Georgia Institute of Technology, Atlanta, GA

Transformation acoustics for beamforming in anisotropic media

This SAVTC Annual Report concludes with two very important personal notes. First, as noted above, the period during which this Report covers represented an unbelievably challenging and uncertain time period with unprecedented challenges for the committee, the ASA, the country, and the world in every facet of all of our lives. From an SAVTC perspective, this extremely difficult situation resulted in cancelled meetings, significant re-generation of already completed hard work, numerous rushed deadlines, high uncertainty, etc. Through it all, the members and friends of this TC performed their roles without complaint, with total professionalism and competence, and with a sense of positivity and can-do spirit that I found extremely impressive and admirable. In a number of important ways, the TC is actually stronger and more capable now as a result. I will forever be grateful.

Second, on a longer time frame consisting of both of my previous two three-year terms, I greatly enjoyed working with my fellow TC members on many fronts and will always keep and remember the great friendships forged during that time. I also will remain quite active with the TC as always. With Christina Naify now seated as the new SAVTC Chair for the current 2021–2024 term, I know the committee is certainly in excellent hands going forward under her energetic and competent leadership. Best of luck, Christina, and all!

Robert M. Koch

Chair, 2015–2021

## Underwater Acoustics

This report covers the activities of the Technical Committee on Underwater Acoustics (TCUW) and its members during the period from June 2020 and June 2021.

The 179th meeting of the Acoustical Society of America, originally scheduled for Spring 2020, was rescheduled for Dec. 7–11, 2020, due to the COVID-19 pandemic. The 179th meeting was a “virtual” (100% online) meeting. The theme of the meeting was “Acoustics Virtually Everywhere” (AVE). All plenary, technical, and administrative meetings were conducted remotely. All technical presentations were recorded in advance. The following is a synopsis of the information shared with members of TCUW via email in lieu of an in-person meeting: (a) News and information regarding the current and upcoming meetings. (b) JASA News: Jim Lynch has offered to stay on as Editor for another term. Journal stats continue to be good and improve. Special Issues, Collections, and Reflections continue to be popular. JASA CDs were phased out in January 2020. (c) JASA-EL News: Stats continue to be good and improve. JASA-EL became an independent journal January 2020, and will be online only and open access. (d) POMA News: Meghan Ballard is our new POMA Editor. Any ASA-approved co-sponsored meetings/workshops/conferences can publish conference papers in POMA. Papers from any previous ASA meeting can be published at any time. (e) Student Council: A report by our TCUW Student Rep., Mark Langhirt was shared. (f) ASA kicked off the new ASA Webinar Series in January 2020. Special thanks to Derek Olson for serving as our TPO Rep. for the 179th ASA meeting.

The 180th meeting of the Acoustical Society of America, held during June 8–10, 2021, was the second “virtual” (100% online) meeting, due to ongoing concerns of the COVID-19 pandemic. The theme of the 3-day online meeting was “Acoustics in Focus” (AiF). All plenary, technical, and administrative meetings were conducted remotely. The following is a synopsis of the information which was shared with members of TCUW during the online Technical Committee meeting, led by the incoming TCUW Chair, Jie Yang: (a) New members for “Term to 2024” were welcomed to TCUW. We now have 105 members. (b) Subcommittee reports were provided (ASACOS, Membership, Student Council and Awards/Medals). (c) Requirements for Best Student Paper Awards were reviewed for the upcoming meeting. (d) Recognition for recent award recipients: (1) ASA Gold Medal to James F. Lynch; (2) R. Bruce Lindsay Award to Julien Bonnel. (e) Recognition of new ASA

Fellow Jee Woong Choi, for contributions to the field of acoustic reflection and scattering from the seabed and geoacoustic inversion. (f) Reports on journal news (POMA, JASA-EL, and JASA) were provided. (g) Comments and stories were shared in memoriam of John Preston. (h) Special thanks to the following people who are serving TCUW in the following capacities: Mohsen Badiey (Membership Committee), Preston S. Wilson (Medals and Awards Committee), Mark Langhirt (Student Council), and Jason Summers (ASACOS). (i) A panel discussion was held on “Underwater sound modeling: Comprehensive environmental descriptions.” (j) Special sessions led by TCUW included: (1) Long term acoustic time series in the ocean; (2) Seabed Characterization Experiment 2017 studies; (3) The effects of COVID-19 on global ocean soundscapes.

Congratulations to Dr. Jie Yang who was recently elected as Chair of TCUW for the next 3-year term. Sincere thanks are extended to the many volunteers who make the activities of TCUW possible.

D. Benjamin Reeder

Chair, 2018–2021

## Members of Committees, Councils, Technical Groups, Task Forces of the Acoustical Society Of America

The Technical and Administrative Committees, Technical Groups, Administrative Councils, Task Forces, and Editorial Boards listed below have been appointed by the Executive Council. These appointments, with such changes as may be made by the President from time to time, will be in effect until the Spring meeting of the Society in 2022.

### Technical Committees and Technical Specialty Groups

#### Acoustical Oceanography

Grant B. Deane, Chair to 2022

#### Term to 2024

Arthur B. Baggeroer  
Michael J. Buckingham  
Dezhang Chu  
Stan E. Dosso  
Christopher Feuillade  
Lauren A. Freeman  
Kay L. Gemba  
Hayden Johnson  
Hanne Sagen  
Ralph A. Stephen  
Timothy K. Stanton  
Aaron M. Thode  
Lora J. Van Uffelen  
Joseph D. Warren  
Matthew Zeh

#### Term to 2023

David R. Barclay  
Christopher S. Bassett  
Michael G. Brown  
N. Ross Chapman  
Ching Sang Chiu  
Bruce D. Cornuelle  
David R. Dowling  
Gerald L. D'Spain  
Timothy F. Duda  
Matthew A. Dzieciuch  
David M. Farmer  
Oskar Glowacki  
Paul C. Hines  
Wu-Jung Lee  
Timothy G. Leighton  
Ying-Tsong Lin  
Scott Loranger  
James F. Lynch  
Jennifer L. Miksis-Olds



James H. Miller  
Eva Marie Nosal  
Derek R. Olson  
Robert Pinkel  
D. Benjamin Reeder  
Robert C. Spindel  
Dajun Tang  
Hari Vishnu  
Thomas C. Weber  
Elizabeth F. Weidner  
Preston S. Wilson  
Peter F. Worcester

**Term to 2022**

Jon M. Collis  
John A. Colosi  
Orest I. Diachok  
Peter Gerstoft  
Kevin D. Heaney  
Bruce M. Howe  
Andone C. Lavery  
Anthony P. Lyons  
James A. Mercer  
Gopu R. Potty  
Karim G. Sabra  
Andrew White

*Ex officio:*

Andone C. Lavery, member of Membership Committee  
Martin Siderius, member of Medals and Awards Committee  
Elizabeth F. Weidner, member of Student Council  
Gopu R. Potty, member of ASACOS

**Animal Bioacoustics**

Laura Kloepper, Chair to 2024

**Term to 2024**

Tomonari Akamatsu  
Mark A. Bee  
Kelly J. Benoit-Bird  
Christine Erbe  
John A. Hildebrand  
Marla M. Holt  
Dorian S. Houser  
Wu-Jung Lee  
Ikuo Matsuo  
JoAnn McGee  
Jennifer L. Miksis-Olds  
Chen Ming  
Cynthia F. Moss  
Xavier Mouy  
Rolf Mueller  
Susan E. Parks  
Arthur N. Popper  
Jillian M. Sills  
Andrea M. Simmons  
James A. Simmons  
Benjamin N. Taft  
Aaron M. Thode  
Edward J. Walsh  
Michaela Warnecke

**Term to 2023**

Judith C. Brown  
Rebecca Dunlop  
Shane Guan  
Darlene R. Ketten  
Michael J. Noad  
Thomas Norris  
Julie N. Oswald

Marianne Rasmussen  
Marie A. Roch  
Peter L. Tyack

**Term to 2022**

Alyssa W. Accomando  
Eliud Bonilla  
David E. Bonnett  
Micheal L. Dent  
James J. Finneran  
Heloise Frouin-Mouy  
Giacomo Giorli  
Mardi C. Hastings  
Holger Klinck  
Songhai Li  
Bernard Lohr  
Klaus Lucke  
David A. Mann  
Bruce S. Martin  
David K. Mellinger  
Ana Sirovic  
Joseph A. Sisneros  
Michael Smotherman

*Ex officio:*

Edward J. Walsh, member of Membership Committee  
Aaron M. Thode, member of Medals and Awards Committee  
Hilary Kates Varghese, member of Student Council  
Dorian S. Houser, member of ASACOS

**Architectural Acoustics**

Ana M. Jaramillo, Chair to 2022

**Term to 2024**

Ernesto Accolti  
Tyler E. Adams  
Wolfgang Ahnert  
Christopher A. Ainley  
Alaa Algargoosh  
Gustavo Basso  
Sergio Beristain  
David F. Berol  
Adam T. Bettcher  
Taylor L. Blaine  
Ethan Bourdeau  
Brenna N. Boyd  
Jonas Braasch  
Benjamin L. Bridgewater  
Eric Bustamante  
Matthew F. Calton  
Robert D. Celmer  
Sungbeen Cho  
Jessica S. Clements  
Robert C. Coffeen  
Brandon Cudequest  
F. M. del Solar Dorrego  
Peter Dodds  
Felicia M. Doggett  
Damian J. Doria  
Ronald T. Eligator  
Fernando J. Elizondo  
Ibrahim Elnoshokaty  
Cameron Fackler  
Timothy J. Foulkes  
Robin S. Glosemeyer-Petrone  
Scott Harvey  
Andrew H. Hathaway  
Erica E. Hoffman  
Scott Hulteen

Hyun In Jo  
 Scott K. Isabelle  
 Joseph A. Keefe  
 Mendel Kleiner  
 Derrick P. Knight  
 Jeffrey P. Kwoikoski  
 Christopher Landschoot  
 Martin Lawless  
 Richard L. Lenz  
 David Lubman  
 David J. Manley  
 Peter A. Mapp  
 Benjamin E. Markham  
 David E. Marsh  
 Robert D. Miller  
 Andrew J. Mitchell  
 Andrew J. Morgan  
 William J. Murphy  
 Jennifer L. Nelson-Smid  
 Matthew A. Nobile  
 Christian Nocke  
 Bruce C. Olson  
 Nicholas Ortega  
 Adam Paul  
 Stephen D. Pettyjohn  
 Scott D. Pfeiffer  
 James E. Phillips  
 Jonathan Rathsam  
 Scott R. Riedel  
 Kenneth P. Roy  
 Ron Sauro  
 Lauri Savioja  
 Craig Schaefer  
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 Jennifer Scinto  
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 Louena Shtrepi  
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 Samuel H. Underwood  
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 Zachary Weiss  
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#### Term to 2023

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 John Baldassano, Jr.  
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 Samuel D. Bellows  
 Aaron Betit  
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 Jim X. Borzym  
 Mariana Botero  
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 Bennett M. Brooks  
 Jonathan M. Broyles  
 Adam T. Buck  
 Matthew F. Calton  
 Evan Chertok  
 Andy W. L. Chung

Daniel J. Comboni  
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 Kenneth Cunefare  
 Madeline Davidson  
 James J. DeGrandis  
 Jason R. Duty  
 McCall B. Edwards  
 Aaron M. Farbo  
 Nima Farzaneh  
 Efren Fernandez Grande  
 Ronald R. Freiheit  
 John R. Garretson  
 Matthew V. Golden  
 Cameron B. Goodman  
 David H. Griesinger  
 Sandra J. Guzman  
 Sean W. Harkin  
 Byron W. Harrison  
 Noel W. Hart  
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 Robert D. Hellweg  
 Paul D. Henderson  
 Matthew S. Hildebrand  
 Michael Hoeft  
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 K. Anthony Hoover  
 Michael Horn  
 Dana S. Hougland  
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 Basel H. Jurdy  
 Laurie R. Kamper  
 Shane J. Kanter  
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 John Kosco, III  
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 Jean Philippe Migneron  
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 Erik T. Miller-Klein  
 Cristina Miyar  
 Joseph Morris  
 Jorge C Moy  
 Matthew Neal  
 Melanie Nolan  
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 Hyun Paek  
 Josh D. Palmer  
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 Ian Patrick  
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 Randall Rehfuß  
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 Zane Rusk  
 Erica E. Ryherd  
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 Arjun Shankar  
 Keely M Siebein  
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 U. Peter Svensson  
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 Laura C. Brill  
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 Brian Corry  
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 Klaus Genuit  
 Kenneth W. Good, Jr.  
 Christoph Hoeller  
 Ian B. Hoffman  
 Mark A. Holden  
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Hyun Hong  
 Kirsten Hull  
 Drew Johnson  
 Jon Paul Johnson  
 David W. Kahn  
 Brian F. G. Katz  
 Nathan Keil  
 Siu-Kit Lau  
 Joonhee Lee  
 Timothy W. Leishman  
 Stephen J. Lind  
 Zachery L'Italien  
 Roger M. Logan  
 Benjamin J. Loshin  
 Roderick T. Mackenzie  
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 Mallory Morgan  
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 Leisa Nalls  
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 Nicola Prodi  
 Samantha Rawlings  
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 Sarah Richie  
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 Charles E. Schmid  
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 Jeff D. Szymanski  
 Richard H. Talaske  
 Coralie A. Van Reenen  
 Lily M. Wang  
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**Biomedical Acoustics**

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 Jean-Yves Chapelon  
 Hong Chen  
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 Jan R. D'Hooge  
 Stanislav Emelianov  
 E. Carr Everbach  
 Guillaume Haiat  
 Christy K. Holland



R. Glynn Holt  
 Vera A. Khokhlova  
 Jonathan Kopechek  
 Wayne E. Kreider  
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 Meaghan A. O'Reilly  
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Michalakakis A. Averkiou  
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 Subha Maruvada  
 Robert J. McGough  
 Joel Mobley  
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 Keith A. Wear  
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 Constantin C. Coussios  
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 Mostafa Fatemi  
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 Aiguo Han  
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 Sheri Martinelli  
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 Jorge C. Moy  
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 Diego Turo  
 Brian C. Tuttle  
 Andrew Vecchiotti  
 Roland L. Woodcock  
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 Kedar Chitale  
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 Harshal Prakash Patankar  
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 Stephen H. Swift

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 Jennifer L. Cooper  
 Libertario Demi  
 Mahdi Farahikia  
 Jerry H. Ginsberg  
 Yun Jing  
 Ralph T. Muehleisen  
 Andrew A. Piacsek

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 Gary W. Elko  
 Dehua Huang  
 Lixi Huang  
 Yun Jing  
 Roger M. Logan  
 Nathanael Mayo  
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 Michael V. Scanlon  
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 Benjamin M. Goldsberry  
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 Brian H. Houston  
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 Kevin M. Lee  
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 Joseph Morris  
 Christopher J. Struck  
 Alexey Titovich  
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 Jonas Braasch  
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 Nicholas J. Giordano  
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 Keith A. Moore  
 John C. Price  
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 Sten O. Ternstrom  
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 Christopher E. Waltham  
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 George A. Bissinger  
 Annabel J. Cohen  
 James P. Cottingham  
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 Jack Dostal  
 Christopher E. Elmer  
 Uwe J. Hansen  
 Peter L. Hoekje  
 Jill A. Linz  
 Thomas R. Moore  
 Andrew C. Morrison  
 Robert W. Pyle  
 Mark Rau  
 Peter Rucz  
 Gary P. Scavone  
 Stephen Tufte

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 Judith C. Brown  
 Vasileios Chatzioannou  
 Thomas M. Huber  
 Christopher M. Jasinski  
 Wilfried Kausel  
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 Andrew N. Miller  
 Robert Mores  
 Thomas D. Rossing  
 Daniel A. Russell  
 David B. Sharp  
 Julius O. Smith  
 William J. Strong  
 Joe Wolfe

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 Thomas R. Moore, member of Medals and Awards Committee  
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## Noise

Alexandra Loubeau, Chair to 2024

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 Jessica S. Clements  
 Benjamin Copenhaver  
 Brandon Cudequest  
 Patricia Davies  
 Gordon Ebbitt  
 Jesse J. Ehnert  
 Sanford Fidell  
 Robert D. Hellweg  
 Lixi Huang  
 Yun Jing  
 Kenneth H. Kaliski  
 Joonhee Lee  
 Yi Liu  
 David J. Manley  
 William J. Murphy  
 Richard J. Peppin  
 James E. Phillips  
 Rachel A. Romond  
 Kenneth P. Roy  
 Erica E. Ryherd  
 Bonnie Schnitta  
 Brigitte Schulte-Fortkamp  
 Scott D. Sommerfeldt  
 Victor W. Sparrow  
 Kerrie G. Standlee  
 Michael R. Stinson  
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 Zachary Weiss

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 Jeanine Botta  
 Ann E. Bowles  
 Paul R. Donovan  
 Cameron Fackler  
 Hilary L. Gallagher  
 Noel W. Hart  
 Kirill V. Horoshenkov  
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 Derrick P. Knight  
 Jerry G. Lilly  
 Stephen J. Lind  
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 George A. Luz  
 Roderick T. Mackenzie  
 David Michaud  
 Ralph T. Muehleisen  
 Tracianne B. Neilsen  
 Matthew L. Nickerson  
 Edward M. O'Korn  
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 Robert A. Putnam  
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 Kieren H. Smith  
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 Alan T. Wall  
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 Matthew Blevins  
 Dick B. Botteldooren  
 Giovanni Brambilla  
 Alexander U. Case  
 Andy W. L. Chung  
 Kenneth A. Cunefare  
 Fernando J. Elizondo  
 Andre Fiebig  
 Ronald R. Freiheit  
 Kent L. Gee  
 Klaus Genuit  
 Kenneth W. Good, Jr.  
 James S. Holtrop  
 K. Anthony Hoover  
 Matthew Kamrath  
 Siu-Kit Lau  
 George C. Maling  
 Ashley Masoner  
 Richard L. McKinley  
 Leisa Nalls  
 Stephen D. Pettyjohn  
 Eric L. Reuter  
 Stephen H. Swift  
 Michelle C. Vigeant  
 Douglas F. Winker  
 David S. Woolworth  
 Ning Xiang  
 Buye Xu  
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## Physical Acoustics

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 Andrea P. Arguelles  
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 Keith Attenborough  
 Kenneth B. Bader  
 Parag V. Chitnis  
 Charles C. Church  
 Gregory Clement  
 Kenneth G. Foote  
 Thomas B. Gabrielson  
 Goutam Ghoshal  
 Mark F. Hamilton  
 Christy K. Holland  
 Yun Jing  
 Verle M. Keppens  
 Vera A. Khokhlova  
 Christopher Kube  
 Ronald E. Kumon  
 Subha Maruvada  
 Philip L. Marston  
 T. Douglas Mast  
 Robert J. McGough  
 Stuart B. Mitchell  
 Michael L. Oelze  
 Vladimir E. Ostashev  
 Andrew A. Piacsek  
 Allan D. Pierce



Yuri A. Pishchalnikov  
 Tyrone M. Porter  
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 Kimberly Riegel  
 Peter H. Rogers  
 James M. Sabatier  
 Oleg A. Sapozhnikov  
 Kausik Sarkar  
 Bradley E. Treeby  
 Martin D. Verweij  
 Alan T. Wall  
 Keith A. Wear  
 Roger M. Waxler  
 D. Keith Wilson  
 Likun Zhang  
 Zhongquan Zheng

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 Philippe Blanc-Benon  
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 E. Carr Everbach  
 Steven L. Garrett  
 Joseph R. Gladde  
 Michael R. Haberman  
 Bart Lipkens  
 Alexandra Loubeau  
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 Julian D. Maynard  
 Ralph T. Muehleisen  
 Bonnie Schnitta  
 Michelle E. Swearingen  
 Richard L. Weaver  
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 Bruce C. Denardo  
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 Yong-Joe Kim  
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 Kevin M. Lee  
 Timothy G. Leighton  
 James G. Miller  
 Tracianne B. Neilsen  
 Lev A. Ostrovsky  
 Cristian Pantea  
 Jason L. Raymond  
 Ronald A. Roy  
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 Victor W. Sparrow  
 Joseph A. Turner  
 Mark S. Wochner  
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 Anihita Mehta  
 Z. Ellen Peng

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 Jungmee Lee  
 Erol J. Ozmeral  
 Yi Shen  
 Magdalena Wojtczak  
 Pavel Zhaorik

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 David A. Eddins  
 Ruth Y. Litovsky  
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 G. Christopher Stecker  
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 James V. Candy  
 David H. Chambers  
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 Grace Clark  
 Kevin Cockrell  
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 Geoffrey S. Edelson  
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 Cameron Fackler  
 Brian Ferguson  
 Charles F. Gaumond  
 Peter Gerstoft  
 Blaine Harker  
 Ryan L. Harne  
 Paul D. Hursky  
 Andrew W. Lovitt  
 Jens M. Meyer  
 Derek R. Olson  
 Gopu R. Potty  
 James C. Preisig  
 Jeffrey S. Rogers  
 Jason E. Summers  
 Kainam T. Wong  
 Ning Xiang  
 Lisa M. Zurk

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 Kendal M. Leftwich  
 Zoi-Heleni Michalopoulou  
 Philippe Moquin  
 Andrey K. Morozov  
 Edward M. O'Korn  
 Natalia A. Sidorovskaia  
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 Tsih C. Yang

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 Jeffrey A. Ballard  
 Ballard J. S. Blair  
 Peter G. Cable  
 Cathy Ann Clark  
 Leon Cohen  
 Efren Fernandez-Grande  
 Sean A. Fulop  
 Kay L. Gemba  
 Paul J. Gendron  
 Kevin D. Heaney  
 Trevor W. Jerome  
 Yang Hann Kim  
 Jianlong Li  
 Karim G. Sabra  
 David C. Swanson  
 Aaron M. Thode  
 Robert C. Waag  
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 Samuel D. Bellows, member of Student Council  
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## Speech Communication

Rajka Smiljanic, Chair to 2022

## Term to 2024

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 Kelly H. Berkson  
 Ann R. Bradlow  
 Margaret E. Cychosz  
 Cynthia G. Clopper  
 Mary M. Flaherty  
 Yolanda F. Holt  
 Sung-Joo Lim  
 Melissa A. Redford  
 Tyler Perrachione  
 Irina A. Shport  
 Yue Wang  
 Matthew D. Winn  
 Kristin J. Van Engen  
 Kiyoko Yoneyama

## Term to 2023

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 Alexander L. Francis  
 Michael J. Kiefte  
 Susannah V. Levi  
 Joan A. Sereno  
 Christian E. Stilp  
 Brad H. Story  
 Zhaoyan Zhang

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Pasquale Bottalico  
 Laura C. Dille  
 Tanya L. Flores  
 Wendy Herd  
 Nikša Jakovnik

Diane Kewley-Port  
 Patricia K. Kuhl  
 Shrikanth S. Narayanan  
 Linda Polka  
 Rachel M. Theodore  
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 Benjamin V. Tucker  
 Mark VanDam  
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 Marcin Wroblewski  
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## Structural Acoustics and Vibration

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 Joseph M. Cuschieri  
 David Feit  
 Thomas L. Geers  
 Jerry H. Ginsberg  
 Gary M. Glickman  
 Karl Grosh  
 Sabih I. Hayek  
 Yun-Fan Hwang  
 Kai Ming Li  
 Elizabeth A. Magliula  
 Philip L. Marston  
 Katie Matlack  
 John J. McCoy  
 Jon W. Mooney  
 Koorosh Naghshineh  
 Andrew N. Norris  
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 Kevin P. Shepherd  
 Micah Shepherd  
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 Hasson M. Tavossi  
 Alexey Titovich  
 Nicholas E. Vlahopoulos  
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## Term to 2023

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 Peter C. Herdic  
 Robert M. Koch  
 Teik C. Lim  
 Thomas J. Royston  
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 Jeffrey S. Viperman  
 Richard L. Weaver  
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Stephen C. Conlon  
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Robert C. Haberman  
Ryan Harne  
Stephanie Konarski  
Tribikram Kundu  
Bogdan Popa  
Marcel C. Remillieux  
Michael Rose  
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Michael F. Shaw  
Jason J. Smoker  
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Robert M. Koch, member of ASACOS  
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### Underwater Acoustics

Jie Yang, Chair to 2024

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Michael J. Buckingham  
Tarun K. Chandrayadula  
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Aubrey L. Espana  
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Mark A. Langhirt  
James H. Miller  
Derek R. Olson  
D. Benjamin Reeder  
Karim G. Sabra  
Martin Siderius  
Hee Chun Song  
Kathleen E. Wage  
Kevin L. Williams

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Ralph N. Baer  
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Julien Bonnel  
David G. Browning  
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Nicholas J. Felgate  
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Brian T. Hefner  
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Zoi-Heleni Michalopoulou  
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Bruce K. Newhall  
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Marshall H. Orr  
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Clark S. Penrod  
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Michael B. Porter  
Purnima Ratilal  
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Charles E. Schmid  
Henrik Schmidt  
Woojae Seong  
Natalia A. Sidorovskaia  
Georgios Sklivanitis  
Kevin B. Smith  
Robert C. Spindel  
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Christopher O. Tiemann  
Christopher T. Tindle  
Lin Wan  
Preston S. Wilson  
Tsih C. Yang  
Manell E. Zakharia  
Mario Zampolli  
Ji-Xun Zhou  
Lisa M. Zurk

#### Term to 2022

Arthur B. Baggeroer  
Megan S. Ballard  
Kyle M. Becker  
David C. Calvo  
Jee Woong Choi  
Christian P. de Moustier  
Jan Dettmer  
Stan E. Dosso  
Erin M. Fischell  
George V. Frisk  
Kay L. Gemba  
Giacomo Giorli  
Oleg A. Godin  
Christopher H. Harrison  
Chen-Fen Huang  
Anatoliy N. Ivakin  
Shane W. Lani  
Kevin M. Lee  
Anthony P. Lyons  
Alexandra M. Padilla  
James C. Preisig  
Jeffrey S. Rogers  
Daniel Rouseff  
Jason D. Sagers  
William L. Siegmann  
Dajun Tang  
Alem A. Teklu  
Andrew White

#### *Ex officio:*

Mohsen Badiey, member of Membership Committee  
Preston S. Wilson, member of Medals and Awards Committee



Mark A. Langhirt, member of Student Council  
 Jason E. Summers, member of ASACOS

## Administrative and Ad Hoc Committees

### Acoustical Society Foundation Board

James H. Miller, Chair to 2024

#### Term to 2023

Fredericka Bell-Berti  
 Ronald R. Freiheit  
 John A. Hildebrand

#### Term to 2022

Anthony A. Atchley  
 David Feit  
 Edward M. Okorn  
 Richard J. Peppin  
*Ex officio:*  
 Judy R. Dubno, Treasurer  
 Archives and History  
 Fredericka Bell-Berti, Chair to 2022

#### Term to 2024

Jont B. Allen  
 Christopher W. Conroy  
 Richard J. Peppin  
 Robert Port  
 Victor W. Sparrow

#### Term to 2023

Michael J. Buckingham  
 E. Carr Everbach  
 Jennifer Lentz  
 Eric P. Wolfram

#### Term to 2022

Gary W. Elko  
 James F. Lynch  
 Julian D. Maynard  
 Julianna C. Simon

2021–2022 Vice Chair

#### Term to 2023

David R. Dowling,  
 2021–2022 Chair

#### Term to 2022

Andrew C. H. Morrison,  
 2021–2022 Member

#### Ex officio:

Judy R. Dubno, Treasurer  
 James H. Miller, Chair, Acoustical Society Foundation Board

## College of Fellows Steering

Catherine L. Rogers, Cochair to 2023  
 James E. Phillips, Cochair to 2024

#### Term to 2024

David R. Dowling  
 Scott D. Sommerfeldt  
 Stephen C. Thompson

#### Term to 2023

Grant B. Deane  
 K. Anthony Hoover  
 Veerle M. Keppens  
 Joel Mobley  
 Rolf Mueller  
 Martin D. Verweij

#### Term to 2022

Tyrone M. Porter  
 Christopher J. Struck  
 Ning Xiang  
*Ex officio:*  
 Judy R. Dubno, past Chair  
 Susan E. Fox, Executive Director  
 Ronald R. Freiheit, past Chair  
 K. Anthony Hoover, past Chair  
 Maureen L. Stone, President  
 Mark Langhirt, College of Fellows liaison

## ASA Books

Mark F. Hamilton, Chair to 2022

#### Term to 2024

Gary W. Elko  
 Robin S. Glosemeyer-Petrone  
 Philip L. Marston

#### Term to 2023

Darlene R. Ketten  
 G. Christopher Stecker  
 Ning Xiang

#### Term to 2022

James P. Cottingham  
 Timothy F. Duda  
 Christine H. Shadle  
*Ex officio:*  
 William M. Hartmann, Series Editor of Modern Acoustics and Signal Processing  
 James F. Lynch, Editor-in-Chief  
 Arthur N. Popper, Series Editor of Springer Handbook of Auditory Research

## Audit

#### Term to 2024

Kelly Benoit-Bird

## Education in Acoustics

Daniel A. Russell, Chair to 2024

#### Term to 2024

Fredericka Bell-Berti  
 E. Carr Everbach  
 Kent L. Gee  
 Laura Kloepper  
 Jason Raymond  
 Lauren M. Ronsse  
 Daniel A. Russell  
 Victor W. Sparrow  
 Adam Svec  
 Preston S. Wilson

#### Term to 2023

Shima Abadi  
 Takayuki Arai  
 Cedrik Bacon  
 David F. Berol  
 Juyeon Chung  
 James J. DeGrandis  
 Tyler Flynn  
 Alexander L. Francis  
 Thomas B. Gabrielson  
 Kurt R. Hoffman  
 Evelyn M. Hoglund  
 Trevor W. Jerome

Yun Jing  
Keeta Jones  
Murray S. Korman  
Jill A. Linz  
Thomas R. Moore  
Tracianne B. Neilsen  
Tyrone M. Porter  
Kimberly Riegel  
Michael Rollins  
Elin Roverud  
James M. Sabatier  
Micah Shepherd  
Stephen H. Swift  
Michelle C. Vigeant  
Jeremie Voix  
Cameron Vongsawad  
Jonathan R. Weber  
Kelly L. Whiteford  
Brian Worthmann  
Matthew Zeh

**Term to 2022**

Brian E. Anderson  
Anthony A. Atchley  
David A. Brown  
John R. Buck  
Stanley A. Cheyne  
Lawrence A. Crum  
Andy Lou S. Dapin  
Corinne M. Darvennes  
F. M. del Solar Dorrego  
Eric A. Dieckman  
Jack Dostal  
David R. Dowling  
Philip Faraci  
Mahdi Farahikia  
Carl K. Frederickson  
Carole E. Gelfer  
Mark F. Hamilton  
John H. L. Hansen  
Ian B. Hoffman  
Christopher M. Jasinski  
Matthew Kamrath  
Darlene R. Ketten  
Sanjay Kumar  
Martin Lawless  
Adrian K. C. Lee  
Wu-Jung Lee  
Daniel O. Ludwigsen  
Philip L. Marston  
Subha Maruvada  
Brian B. Monson  
Andrew C. H. Morrison  
Ralph T. Muehleisen  
William J. Murphy  
Peggy B. Nelson  
Stephen G. Onwubiko  
Andrew A. Piacsek  
Gordon P. Ramsey  
Catherine L. Rogers  
Thomas D. Rossing  
Ronald A. Roy  
Dawn R. Schuette  
Caleb F. Sieck  
Julianna C. Simon  
Scott D. Sommerfeldt  
Stephen C. Thompson  
Benjamin V. Tucker

Robert A. Walkling  
Michaela Warnecke  
Rand S. Worland  
Daniel A. Russell, representative to Regional and Student Chapters Committee

**Ethics and Grievances**

Preston S. Wilson, Chair to 2022

**Term to 2024**

Ann R. Bradlow

**Term to 2023**

Christine H. Shadle

**Term to 2022**

Alexandra Loubeau

**Finance**

Anthony A. Atchley, Chair to 2022

**Term to 2024**

Lawrence A. Crum  
Tyrone A. Porter

**Term to 2023**

K. Anthony Hoover  
Jody Kreiman  
Jennifer L. Miksis-Olds

**Term to 2022**

Maureen L. Stone  
Marcia J. Isakson

*Ex officio:*

David L. Adams, Chair, Investments Committee  
Judy R. Dubno, Treasurer  
James H. Miller, Chair, Acoustical Society Foundation Fund

**Improve Racial Diversity and Inclusivity**

Tyrone M. Porter, Chair, Term to 2024

**Term to 2024**

Carol Y. Espy-Wilson  
Asis Lopez  
Jessica Sullivan  
Lily M. Wang

**Term to 2023**

Tessa C. Bent  
Laura Kloepper  
Daniel A. Russell  
Elizabeth F. Weidner

**Term to 2022**

Dominique A. Bouavichith  
Christy K. Holland  
Barbara G. Shinn-Cunningham  
Preston S. Wilson  
*Ex officio*  
Judy R. Dubno, Treasurer  
Susan E. Fox, Executive Director  
Joseph R. Gladden, Vice President  
Keeta Jones, Education/Outreach Coordinator  
Maureen L. Stone, ASA President

**International Liaison**

Brigitte Schulte-Fortkamp, Chair to 2024

**Term to 2024**

Julio A. Cordioli

Adrian K. C. Lee  
 Paul A. Lepper

**Term to 2023**  
 Andy W. L. Chung  
 Gopu R. Potty

**Term to 2022**  
 Woon S. Gan  
 Klaus Genuit  
 Stephan Paul  
 Juan Tu  
 Likun Zhang  
*Ex officio:*  
 Vera A. Khokhlova, CIRE Chair  
 Christopher J. Struck, Standards Director

## International Research and Education

Vera A. Khokhlova, Chair to 2022

**Term to 2024**  
 Ernesto Accolti  
 Karim G. Sabra  
 Oleg A. Sapozhnikov

**Term to 2023**  
 Philippe Blanc-Benon  
 Jordan Cheer  
 Julio A. Cordioli

**Term to 2022**  
 Bart Lipkens  
 Lukasz J. Pieczonka  
 Rajka Smiljanic  
 Investments  
 David L. Adams, Chair to 2023

**Term to 2024**  
 Bennett M. Brooks

**Term to 2023**  
 Jessica S. Clements  
 William M. Hartmann

**Term to 2022**  
 Anthony A. Atchley  
 Scott D. Pfeiffer  
*Ex officio:*  
 Judy R. Dubno, Treasurer  
 Diane Kewley-Port, President

## Medals and Awards

Brenda L. Lonsbury-Martin, Chair to 2022

**Terms to 2024**  
 Julian D. Maynard, Physical Acoustics  
 Andrew J. Oxenham, Psychological and Physiological Acoustics  
 Eric L. Reuter, Noise  
 Stephen C. Thompson, Engineering Acoustics  
 Aaron M. Thode, Animal Bioacoustics

**Term to 2023**  
 K. Anthony Hoover, Architectural Acoustics  
 Jeffrey A. Ketterling, Biomedical Acoustics  
 Preston S. Wilson, Underwater Acoustics

**Term to 2022**  
 Thomas R. Moore, Musical Acoustics  
 James E. Phillips, Structural Acoustics and Vibration  
 Martin Siderius, Acoustical Oceanography  
 Ning Xiang, Signal Processing in Acoustics  
 Zhaoyan Zhang, Speech Communication

## Meetings

Scott D. Sommerfeldt, Chair to 2023

June 2021 to May 2022  
 Damian J. Doria, member to 2023  
 Joseph R. Gladden, Vice President  
 Judy R. Dubno, member to 2021  
 Brian T. Hefner, fall 2021, Seattle  
 Dana S. Hougland, spring 2022, Denver  
 Subha Maruvada, Vice President-Elect  
 Peggy B. Nelson, member to 2022  
 Andrew A. Piacsek, spring 2021, virtual  
 TBA, fall 2022, Nashville  
*Ex officio:*  
 Susan E. Fox, Executive Director  
 Elaine Moran, Director of Operations

## Subcommittee for Jams

K. Anthony Hoover, Chair to 2023

**Term to 2024**  
 Tyler Flynn  
 Christopher M. Jasinski  
 Brandon M. Lee  
 Bruce C. Olson

**Term to 2023**  
 Bennett M. Brooks  
 James E. Phillips

**Term to 2022**  
 Damian J. Doria  
 Matthew S. Hildebrand  
 Charles J. Smith  
 David S. Woolworth

## Member Engagement

Tessa C. Bent, Chair to 2022

**Term to 2024**  
 Amanda D. Hanford  
 Yolanda F. Holt  
 Derek R. Olson  
 Benjamin M. Shafer

**Term to 2023**  
 Ana M. Jaramillo  
 Meaghan A. O'Reilly  
 Kimberly Riegel

**Term to 2022**  
 Dominique A. Bouavichith  
 E. Carr Everbach  
 Evelyn M. Hoglund  
 Martin Lawless  
*Ex officio:*  
 Subha Maruvada, Vice President-Elect  
 Susan E. Fox, Executive Director

## Membership

Elizabeth A. Strickland, Chair to 2022

**Term to 2024**  
 William M. Hartmann, Musical Acoustics  
 Yun Jing, Engineering Acoustics  
 Benjamin R. Munson, Speech Communication  
 Edward J. Walsh, Animal Bioacoustics

**Term to 2023**  
 Robert M. Koch, Structural Acoustics and Vibration



Lori J. Leibold, Psychological and Physiological Acoustics  
Robert J. McGough, Biomedical Acoustics  
Bonnie Schnitta, Noise

**Term to 2022**

Mohsen Badiy, Underwater Acoustics  
John R. Buck, Signal Processing in Acoustics  
Damian J. Doria, Architectural Acoustics  
Kent L. Gee, Physical Acoustics  
Andone C. Lavery, Acoustical Oceanography

**Panel on Policy**

Edward J. Walsh, Chair to 2023

**Term to 2024**

Megan S. Ballard  
Alexander L. Francis  
Trevor W. Jerome  
Subha Maruvada  
Eric L. Reuter  
Robert D. White  
William A. Yost

**Term to 2023**

Christina Naify  
Andrew A. Piacsek

**Term to 2022**

James H. Miller  
Brigitte Schulte-Fortkamp  
*Ex officio:*  
Susan E. Fox, Executive Director  
Joseph R. Gladden, Vice President  
Diane Kewley Port, Past President  
Christopher J. Struck, Standards Director

**Prizes and Special Fellowships**

Christine H. Shadle, Chair to 2022

**Term to 2024**

John A. Hildebrand  
Veerle M. Keppens

**Term to 2023**

Peter H. Dahl

**Term to 2022**

Patricia Davies  
Gary W. Elko

**Public Relations**

Kerri D. Seger, Chair to 2024

**Term to 2024**

Kevin J. Haworth  
Tracianne B. Neilsen  
Andrew A. Piacsek  
Tyrone M. Porter  
Andrew T. Pyzdek

**Term to 2023**

Brandon Patterson  
Matthew Kamrath

**Term to 2022**

T. Douglas Mast  
David S. Woolworth  
*Ex officio:*  
Susan E. Fox, Executive Director  
James F. Lynch, Editor-in-Chief  
Elaine Moran, Director of Operations

**Publication Policy**

Vladimir E. Ostashev, Chair to 2024

**Term to 2024**

Megan S. Ballard  
Cynthia G. Clopper  
Ralph T. Muehleisen  
Roger M. Waxler

**Term to 2023**

Laura Kloepper  
Siu-Kit Lau  
Alan T. Wall  
K. Thomas Wong

**Term to 2022**

John A. Colosi  
Whitney L. Coyle  
Michael R. Haberman  
Michael Muhlestein  
*Ex officio:*  
Megan S. Ballard, Editor, Proceedings of Meetings on Acoustics  
Charles C. Church, Editor, JASA Express Letters  
James F. Lynch, Editor-in-Chief  
Peggy B. Nelson, President-Elect

**Regional and Student Chapters**

Evelyn M. Hoglund, Cochair to 2024  
Sandra J. Guzman, Cochair to 2023

Benjamin C. Treweek, Austin Student Chapter  
Kent L. Gee, Brigham Young Univ. Student Chapter  
Adam D. Bettcher, Cascadia  
Shane J. Kanter, Chicago  
Kyle T. Rich, Univ. of Cincinnati Student Chapter  
Drew Johnson, Columbia College Chicago Student Chapter  
Andy W. L. Chung, East and South-East Asia  
Richard J. Morris, Florida  
Karim G. Sabra, Georgia Institute of Tech. Student Chapter  
Eric L. Reuter, Greater Boston  
Robert D. Celmer, Univ. of Hartford Student Chapter  
Jason Pittman, Univ. of Kansas Student Chapter  
Neil A. Shaw, Los Angeles  
Alexander S. Douglass, Michigan Student Chapter  
David A. Brown, Narragansett  
Jonathan R. Weber, Univ. of Nebraska Student Chapter  
Noral D. Stewart, North Carolina  
Peter F. Assmann, North Texas  
Zachary Neveu, Northeastern Univ. Student Chapter  
Evelyn M. Hoglund, Ohio State Univ. Student Chapter  
Alie Lory, Oklahoma State Univ. Student Chapter  
Matthew Neal, Pennsylvania State Univ. Student Chapter  
Kenneth W. Good, Jr., Philadelphia  
Kai Ming Li, Purdue Univ. Student Chapter  
Erica Hoffman, Rensselaer Polytechnic Inst. Student Chapter  
Mike J. Biffignani, St. Louis  
David Braslau, Upper Midwest  
Shane Guan, Washington, D.C.  
*Ex officio:*  
A.J. Lawrence, Student Council representative  
Daniel A. Russell, Education in Acoustics liaison

**Rules and Governance**

Lily M. Wang, Chair to 2023

**Term to 2024**

Susan E. Fox  
Elaine Moran

## Term to 2023

Ann R. Bradlow  
 David L. Bradley

## Term to 2022

Andrew J. Oxenham  
 Lily M. Wang  
 Standards

PVR = Primary Voting Representative/AVR = Alternate Voting Representative

### *Executive Committee*

Christopher J. Struck, Chair (Standards Director)

William J. Murphy, Vice Chair

Nancy Blair-DeLeon, Standards Manager, ex officio

### *S1 Representation*

Angelique A. Scharine, Chair

Richard J. Peppin, Vice Chair and ASA PVR

Robert D. Hellweg, ASA AVR, ex officio

### *S2 Representation*

James T. Nelson, Chair and ASA PVR, ex officio

Anthony P. Nash, Vice Chair and ASA AVR, ex officio

### *S3 Representation*

William J. Murphy, Chair

Todd Ricketts, Vice Chair

Christopher J. Struck, ASA PVR, ex officio

Peggy B. Nelson, ASA AVR, ex officio

### *S3/SC1 Representation*

Dorian S. Houser, Chair and ASA PVR

Marie Roche, Vice Chair

Aaron M. Thode, ASA AVR, ex officio

### *S12 Representation*

Douglas F. Winker, Chair

Derrick P. Knight, Vice Chair

Robert D. Hellweg, ASA PVR, ex officio

Richard L. McKinley, ASA AVR, ex officio

### *ISO U.S. TAG Chairs and Vice Chairs*

TC43 Acoustics, Christopher J. Struck, Chair, Laura A. Wilber, Vice Chair

TC43/SC 1 Noise, Stephen J. Lind, Chair, Robert D. Hellweg, Vice Chair

TC43/SC 3 Underwater acoustics, Allan Beaudry, Chair

TC108 Mechanical vibration, shock and condition monitoring, Walter Madigosky, Chair

TC 108/SC2 Measurement and evaluation of mechanical vibration and shock as applied to machines, vehicles and structures, Max L'vov, Chair

TC 108/SC4 Human exposure to mechanical vibration and shock, Peter Johnson, Chair

TC 108/SC5 condition monitoring and diagnostics of machine systems, David J. Vendittis, Chair

### *IEC U.S. Technical Advisor*

IEC/TC 29 Electroacoustics, Chad Walber

### *ASA Representatives to U.S. TAGs and ANSI groups*

U.S TAG to ISO/TC 43, Acoustics, Christopher J. Struck, PVR, Robert D. Hellweg, AVR

U.S TAG to ISO/TC 43/SC 1, Noise, Robert D. Hellweg, PVR, Christopher J. Struck, AVR

U.S TAG to ISO/TC 43/SC 3, Underwater acoustics, David J. Vendittis, PVR, Jason E. Summers, AVR

U.S TAG to ISO/TC 108, Mechanical vibration, shock and condition monitoring (Including SC2, SC4 & SC 5), Walter Madigosky, PVR, Anthony Nash, AVR

U.S TAG to IEC/TC 29, Electroacoustics, Christopher J. Struck, PVR, Rufus L. Grason, AVR

ANSI's International Forum (AIF), Nancy Blair-DeLeon, PVR

ANSI's Organizational Member Forum (OMF), Nancy Blair-DeLeon

ANSI's National Policy Committee (NPC), Nancy Blair-DeLeon, PVR

### *ASA Technical Committee Representatives*

Gopu R. Potty, Acoustical Oceanography

Dorian S. Houser, Animal Bioacoustics

Nicholas Sylvestre-Williams, Architectural Acoustics

Wayne E. Kreider, Biomedical Acoustics

Christopher J. Struck, Engineering Acoustics

Andrew C. H. Morrison, Musical Acoustics

Richard J. Peppin, Noise

Gregory W. Lyons, Physical Acoustics

Eric Hoover, Psychological & Physiological Acoustics

Natalia A. Sidorovskaia, Signal Processing in Acoustics

Zhaoyan Zhang, Speech Communication

Robert M. Koch, Structural Acoustics and Vibration

Jason E. Summers, Underwater Acoustics

*ASA Officers* ex officio

Susan E. Fox, Executive Director

Joseph R. Gladden, Vice President

*Past Chair of ASACOS* ex officio

Paul D. Schomer

*Associate Editors—Standards News—JASA* ex officio

Christopher J. Struck, Nancy Blair-DeLeon

## Individual Experts

### S1

- 1 William D. Gallagher
- 2 Peter Hanes
- 3 Tomasz Letowski
- 4 Richard L. McKinley
- 5 Karl L. Peterman
- 6 Christopher J. Struck
- 7 Chad Walber
- 8 Leo Wu

### S2

- 1 Anthony J. Brammer
- 2 Robert M. Koch
- 3 Donald E. Wasserman

### S3

- 1 Robert F. Burkard
- 2 Richard L. McKinley
- 3 Peggy B. Nelson
- 4 Christopher J. Struck
- 5 Laura A. Wilber

### S3/SC 1

- 1 Ann E. Bowles
- 2 James J. Finneran
- 3 Colleen Reichmuth
- 4 Aaron Thode

### S12

- 1 Bennett M. Brooks
- 2 Robert D. Hellweg
- 3 Arnold Konheim
- 4 Stephen J. Lind
- 5 David Lubman
- 6 Richard L. McKinley
- 7 David S. Michaud
- 8 Mathew A. Nobile
- 9 Paul D. Schomer
- 10 Jeff Schmitt
- 11 Laura A. Wilber

## Student Council

Mallory Morgan, Chair to 2023

### Term to Fall 2023

Samuel D. Bellows, Signal Processing in Acoustics  
Ferdousi S. Rawnaque, Physical Acoustics

### Term to Spring 2023

Megan S. Anderson, Biomedical Acoustics  
E. K. Ellington Scott, Architectural Acoustics  
Elizabeth F. Weidner, Acoustical Oceanography

### Term to Fall 2022

A.J. Lawrence, Structural Acoustics and Vibration  
Lucy Cheng, Speech Communication  
Kenton Hummel, Noise  
Mark Rau, Musical Acoustics

### Term to Spring 2022

Hilary Kates Varghese, Animal Bioacoustics  
Mark A. Langhirt, Underwater Acoustics  
Zane Rusk, Engineering Acoustics  
Michael L. Smith, Psychological and Physiological Acoustics

### Term to Fall 2021

Matthew S. Byrne, Signal Processing in Acoustics  
Blake Simon, Physical Acoustics  
Bennett M. Brooks, Executive Council liaison  
A.J. Lawrence, Regional and Student Chapters Committee liaison  
Mark Langhirt, College of Fellows liaison  
Elizabeth Weidner, Women in Acoustics liaison  
Tutorials, Short Courses, Hot Topics  
Christina Naify, Chair to 2023

### Term to 2024

Shane Guan  
Subha Maruvada

### Term to 2023

James P. Cottingham  
Maryam Landi  
Siu-Kit Lau  
Zhao Peng  
Karim G. Sabra

### Term to 2022

Libertario Demi  
Mahdi Farahikia  
Kevin M. Lee  
Wu Jung Lee  
*Ex officio:*  
Susan E. Fox, Executive Director

## Web Advisory

Z. Ellen Peng, Chair to 2024

### Term to 2023

Ralph T. Muehleisen

### Term to 2022

Ryan L. Harné  
Ryan W. McCreery  
*Ex officio:*  
Daniel Farrell, Web Office Manager

## Women in Acoustics

Anna C. Dienesch, Chair to 2024

### Term to 2024

Suzy Ahn  
Marcia J. Isakson

Jennifer Lentz  
Tracianne Neilsen  
Z. Ellen Peng  
Lauren M. Ronsse  
Elin Roverud  
Erica E. Ryherd  
Alison K. Stimpert  
Christina Zhou

### Term to 2023

Megan S. Ballard  
Amanda D. Hanford  
Laura Kloepper  
Stephanie Konarski  
Kyoko Nagao  
Jennifer L. Nelson-Smid  
Michelle E. Swearingen  
Lily M. Wang

### Term to 2022

Feruza Amirkulova  
Jennifer L. Cooper  
Whitney L. Coyle  
Sarah H. Ferguson  
Michele B. Halvorsen  
Ana M. Jaramillo  
Bonnie K. Lau  
Jennifer L. Miksis-Olds  
Christina Naify  
Peggy B. Nelson  
Catherine L. Rogers  
Bonnie Schnitta  
Jill C. Thorson  
Michelle C. Vigeant  
*Ex officio:*  
Subha Maruvada, Vice President-Elect  
Elizabeth Weidner, Student Council representative

## Ad Hoc Committees

### Ad Hoc Committee on Advocacy

Victor W. Sparrow, Chair  
Jennifer Greenamoyer (AIP government relations liaison)  
Maureen L. Stone  
Edward J. Walsh  
William A. Yost  
*Ex officio:*  
Susan E. Fox, Executive Director

### Ad Hoc Committee on International Year of Sound

Keeta Jones, Cochair  
Victor W. Sparrow, Cochair  
Bennett M. Brooks  
Brad Conrad (SPS liaison)  
Evelyn M. Hoglund  
Christopher M. Jasinski  
Diane Kewley-Port  
Laura Kloepper  
Andrew A. Piacsek  
Gordon P. Ramsey (AAPT liaison)  
Daniel A. Russell  
Andrew C. Morrison  
Brigitte Schulte-Fortkamp  
Michael R. Stinson  
Michael Vorländer

### Ad Hoc Meetings Re-Imagined Committee

Scott D. Sommerfeldt, Chair  
 Damian J. Doria  
 Stan E. Dosso  
 Susan E. Fox (Executive Director)  
 Joseph R. Gladden (Vice President)  
 Dana S. Hougland  
 Marcia J. Isakson  
 Ana M. Jaramillo  
 Elaine Moran (Director of Operations)  
 Peggy B. Nelson  
 Benjamin M. Shafer  
*Ex officio:*  
 Judy R. Dubno, ASA Treasurer  
 Peggy B. Nelson, ASA President-Elect  
 Maureen L. Stone, ASA President  
 Christopher J. Struck, ASA Standards Director  
 Committee Resource:  
 Debra S. Nolan, ASA Meeting Planner

### Ad Hoc Virtual Technology Task Force

Andrew A. Piacsek, Chair  
 Kenneth B. Bader  
 Anna C. Diedesch  
 Steven M. Lulich  
 Kimberly Riegel  
*Ex officio:*  
 Stan E. Dosso, Past Vice President  
 Joseph R. Gladden, Vice President  
 Scott D. Sommerfeldt, Chair, Meetings Committee  
 Maureen L. Stone, President  
*Leadership Resources:*  
 Judy R. Dubno, Treasurer  
 Daniel Farrell, Web Office Manager  
 Susan E. Fox, Executive Director  
 Diane Kewley Port, Past President  
 James F. Lynch, Editor in Chief  
 Elaine Moran, Director of Operations  
 Debra S. Nolan, ASA Meeting Planner

### Administrative Councils

#### Financial Affairs Administrative Council

Andrew C. H. Morrison, Chair  
 Judy R. Dubno, Treasurer  
 Diane Kewley Port, Past President, ex officio  
 Susan E. Fox, Executive Director, ex officio  
 David L. Adams, Investments  
 Anthony A. Atchley, Finance Committee  
 James H. Miller, Acoustical Society Foundation Board

#### Member Engagement and Diversity Administrative Council

Jennifer L. Cooper, Chair  
 Tracianne B. Neilsen, Vice Chair  
 Subha Maruvada, Vice President-Elect, ex officio  
 Susan E. Fox, Executive Director, ex officio  
 Tessa C. Bent, Member Engagement  
 Anna C. Diedesch, Women in Acoustics  
 Sandra J. Guzman, Regional and Student Chapters  
 Evelyn M. Hoggund, Regional and Student Chapters  
 Mallory Morgan, Student Council  
 Tyrone M. Porter, Improve Racial Diversity and Inclusivity

Catherine L. Rogers, College of Fellows Steering  
 Elizabeth A. Strickland, Membership  
 Lily M. Wang, Rules and Governance

### Outreach Administrative Council

David R. Dowling, Chair  
 Kelly J. Benoit-Bird, Vice Chair  
 Peggy B. Nelson, President-Elect, ex officio  
 Joseph R. Gladden, Vice President, ex officio  
 Susan E. Fox, Executive Director, ex officio  
 Vera A. Khokhlova, International Research and Education  
 Christina Naify, Tutorials, Short Courses, Hot Topics  
 Z. Ellen Peng, Web Advisory  
 Andrew A. Piacsek, Virtual Technology Task Force  
 Daniel A. Russell, Education in Acoustics  
 Brigitte Schulte-Fortkamp, International Liaison  
 Kerri D. Seger, Public Relations  
 Scott D. Sommerfeldt, Meetings  
 Edward J. Walsh, Panel on Public Policy

### Publications and Standards Administrative Council

Bennett M. Brooks, Chair  
 James F. Lynch, Editor-in-Chief, ex officio  
 Susan E. Fox, Executive Director, ex officio  
 Fredericka Bell-Berti, Archives and History  
 Mark F. Hamilton, ASA Books  
 Vladimir E. Ostashev, Publication Policy  
 Victor W. Sparrow, Advocacy  
 Christopher J. Struck, ASACOS representative

### Task Forces

#### Strategic Initiative A: Identification and Promotion of Emerging Scientific/Technical Areas

Adam Maxwell  
 Subha Maruvada, Vice President-Elect

#### Strategic Initiative B: Better Engagement of Industry and Practitioners

Derrick Knight  
 Diane Kewley Port, Immediate Past President

#### Strategic Initiative C: Improved Communication and Public Relations

Matthew Kamrath  
 Stan E. Dosso, Immediate Past Vice President

#### Strategic Initiative D: Member Engagement Outside of Meetings

Christopher M. Jasinski  
 Peggy B. Nelson, President-Elect

### Associate Editors of the Journal of the Acoustical Society of America (JASA)

James F. Lynch, Editor-in-Chief

Term to 30 June 2024

M. M. Baese-Berk, Speech Communication



M. R. Bai, Engineering Acoustics  
 P. Blanc-Benon, Physical Acoustics  
 J. Bonnel, Underwater Acoustics  
 L. Cheng, Structural Acoustics and Vibration  
 N. P. Chotiros, Underwater Acoustics  
 J. A. Colosi, Acoustical Oceanography (Coordinating Editor)  
 R. D. Costley, Engineering Acoustics (Coordinating Editor)  
 L. Demi, Biomedical Acoustics  
 R. J. Dooling, Animal Bioacoustics  
 S. E. Dosso, Underwater Acoustics  
 T. F. Duda, Acoustical Oceanography  
 D. D. Ebenezer, Engineering Acoustics  
 B. Epp, Psychological and Physiological Acoustics  
 N. A. Gumerov, Computational Acoustics  
 G. Haiat, Biomedical Acoustics  
 L. Huang, Physical Acoustics  
 E. Jacewicz, Speech Communication  
 Y. Jing, Noise  
 B. F. G. Katz, Architectural Acoustics  
 J. Kuang, Speech Communication  
 J. Meaud, Biomedical Acoustics  
 W. Moon, Engineering Acoustics  
 E. Moran, Acoustical News  
 W. J. Murphy, Noise  
 H. H. Nakajima, Psychological and Physiological Acoustics  
 T. M. Porter, Biomedical Acoustics (Coordinating Editor)  
 S. Puria, Psychological and Physiological Acoustics  
 D. B. Reeder, Underwater Acoustics  
 M. C. Remillieux, Structural Acoustics and Vibration  
 L. Savioja, Architectural Acoustics  
 D. E. Scarborough, Engineering Acoustics  
 C. A. Shera, Psychological and Physiological Acoustics  
 W. L. Siegmann, Underwater Acoustics (Coordinating Editor)  
 T. Smyth, Musical Acoustics  
 R. K. Snieder, Physical Acoustics  
 C. J. Struck, Standards News  
 S. K. Tang, Architectural Acoustics  
 B. Tomasi, Underwater Acoustics  
 K. J. Vigness-Raposa, Animal Bioacoustics  
 N. Vlahopoulos, Computational Acoustics  
 K. A. Wear, Biomedical Acoustics  
 R. D. White, Engineering Acoustics  
 D. K. Wilson, Physical Acoustics  
 K. T. Wong, Signal Processing in Acoustics  
 K. Wu, Computational Acoustics (Coordinating Editor)  
 S. W. Yoon, Biomedical Acoustics  
 X. Zhang, Biomedical Acoustics

#### Term to 30 June 2023

B. Assouar, Physical Acoustics  
 J. Braasch, Psychological and Physiological Acoustics  
 C. C. Church, Biomedical Acoustics  
 R. A. Dunlop, Animal Bioacoustics  
 J. B. Fahnl, Computational Acoustics  
 S. Fidell, Noise  
 P. Gerstoft, Signal Processing in Acoustics (Coordinating Editor)  
 M. R. Haberman, Physical Acoustics  
 J. H. L. Hansen, Speech Communication  
 L. M. Heller, Psychological and Physiological Acoustics  
 K. V. Horoshenkov, Noise (Coordinating Editor)  
 P. X. Joris, Psychological and Physiological Acoustics  
 V. M. Keppens, Physical Acoustics  
 N. J. Kessissoglou, Structural Acoustics and Vibration (Coordinating Editor)  
 D. R. Ketten, Animal Bioacoustics  
 S.-K. Lau, Architectural Acoustics  
 C. G. Le Prell, Psychological and Physiological Acoustics  
 K. M. Li, Physical Acoustics  
 C. Lorenzi, Psychological and Physiological Acoustics  
 P. Loui, Musical Acoustics

K. Lucke, Animal Bioacoustics  
 P. L. Marston, Book Reviews  
 F. Martellotta, Architectural Acoustics  
 Maurel, Physical Acoustics  
 L. Maxit, Structural Acoustics and Vibration  
 Z.-H. Michalopoulou, Signal Processing in Acoustics  
 T. R. Moore, Musical Acoustics (Coordinating Editor)  
 Morrison, Musical Acoustics  
 Oberai, Computational Acoustics  
 V. E. Ostashev, Physical Acoustics  
 G. Petculescu, Physical Acoustics  
 H.-C. Song, Acoustical Oceanography  
 V. W. Sparrow, Education in Acoustics  
 G. C. Stecker, Psychological and Physiological Acoustics (Coordinating Editor)  
 M. Sundara, Speech Communication  
 M. Thode, Underwater Acoustics  
 V. Tucker, Speech Communication  
 M. D. Verweij, Physical Acoustics  
 T. Wall, Noise  
 P. S. Wilson, Education in Acoustics  
 N. Xiang, Architectural Acoustics (Coordinating Editor)  
 J. Yang, Underwater Acoustics  
 Yegnanarayana, Speech Communication  
 L. Zhang, Physical Acoustics (Coordinating Editor)  
 Z. Zhang, Speech Communication (Coordinating Editor)

#### Term to 30 June 2022

Agarwal, Noise  
 P. Alku, Speech Communication  
 Baškent, Speech Communication  
 M. A. Bee, Animal Bioacoustics  
 J. G. W. Bernstein, Psychological and Physiological Acoustics  
 L. R. Bernstein, Psychological and Physiological Acoustics  
 H. M. Bharadwaj, Psychological and Physiological Acoustics  
 N. Blair-DeLeon, Acoustical Standards News  
 Branstetter, Animal Bioacoustics  
 J. Cheer, Noise  
 J. de Rosny, Signal Processing in Acoustics  
 M. Destrade, Physical Acoustics  
 Fernandez-Grande, Signal Processing in Acoustics  
 S. Fuchs, Speech Communication  
 S. A. Fulop, Patent Reviews  
 M. J. Goupell, Psychological and Physiological Acoustics  
 M. F. Hamilton, Physical Acoustics  
 K. S. Helfer, Psychological and Physiological Acoustics  
 X. Huang, Physical Acoustics  
 J. Kreiman, Speech Communication  
 T. G. Leighton, Physical Acoustics  
 J. Li, Signal Processing in Acoustics  
 Y.-T. Lin, Computational Acoustics  
 Lofqvist, Speech Communication  
 S. Marburg, Computational Acoustics  
 J. D. Maynard, Physical Acoustics  
 Michaud, Noise  
 N. Popper, Animal Bioacoustics (Coordinating Editor)  
 Reichmuth, Animal Bioacoustics  
 S. P. Robinson, Underwater Acoustics  
 K. G. Sabra, Signal Processing in Acoustics  
 C. Sgard, Structural Acoustics and Vibration  
 J. A. Sisneros, Animal Bioacoustics  
 E. Treeby, Biomedical Acoustics  
 J. Tu, Biomedical Acoustics  
 O. Umnova, Physical Acoustics  
 S. Verhulst, Psychological and Physiological Acoustics  
 M. Vorländer, Architectural Acoustics  
 T. C. Weber, Acoustical Oceanography  
 M. J. White, Engineering Acoustics  
 S. F. Wu, Physical Acoustics

## Associate Editors of JASA Express Letters (JASA-EL)

**Charles C. Church, Editor**

### Term to 30 June 2024

J. R. Buck, Signal Processing in Acoustics  
 D. M. Campbell, Musical Acoustics  
 L. Dong, Engineering Acoustics  
 P. J. Gendron, Signal Processing in Acoustics  
 Lofqvist, Speech Communication  
 Loubeau, Noise  
 T. D. Mast, Physical Acoustics  
 J. G. McDaniel, Structural Acoustics and Vibration  
 T. B. Neilsen, Noise  
 D. D. O'Shaughnessy, Speech Communication  
 D. C. Swanson, Signal Processing in Acoustics  
 S. K. Tang, Architectural Acoustics  
 N. Vlahopoulos, Structural Acoustics and Vibration  
 N. Xiang, Architectural Acoustics  
 M. Zaňartu, Speech Communication.

### Term to 30 June 2023

D. R. Barclay, Acoustical Oceanography  
 D. Derrick, Speech Communication  
 Doolan, Physical Acoustics  
 Q.-J. Fu, Psychological and Physiological Acoustics  
 S. K. Lau, Noise  
 W.-J. Lee, Animal Bioacoustics  
 T. R. Moore, Musical Acoustics  
 V. E. Ostashev, Physical Acoustics  
 M. Sheplak, Engineering Acoustics  
 T. Toda, Speech Communication

### Term to 30 June 2022

C. Bergevin, Psychological and Physiological Acoustics  
 M. Chatterjee, Psychological and Physiological Acoustics  
 Chiu, Underwater Acoustics  
 M. Cooke, Speech Perception

M. J. Davis, Physical Acoustics  
 M. A. Dzieciuch, Underwater Acoustics  
 R. Marchiano, Physical Acoustics  
 J. Mobley, Physical Acoustics  
 R. M. Theodore, Speech Communication  
 J. Tu, Biomedical Acoustics  
 K. Wilson, Computational Acoustics

## Associate Editors of Proceedings of Meetings on Acoustics (POMA)

**Megan S. Ballard, Editor**

### Term to 30 June 2024

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 W. Coyle, Musical Acoustics  
 W. J. Doebler, Noise  
 C. Fackler, Noise  
 S. Guan, Animal Bioacoustics  
 M. Muhlestein, Physical Acoustics  
 M. E. L. Renwick, Speech Communication  
 J. Rogers, Signal Processing  
 K. Whiteford, Psychological and Physiological Acoustics

### Term to 30 June 2023

C. Bassett, Acoustical Oceanography  
 C. C. Church, Biomedical Acoustics  
 Hanford, Computational Acoustics  
 R. L. Harne, Signal Processing  
 K. Lee, Physical Acoustics  
 L. M. Ronsse, Architectural Acoustics  
 J. Sagers, Underwater Acoustics  
 Term to 30 June 2022D. Russell, Education in Acoustics  
 M. Shepherd, Structural Acoustics and Vibration  
 Term to TBD  
 K. L. Gee, Assistant Editor