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Acoustical News

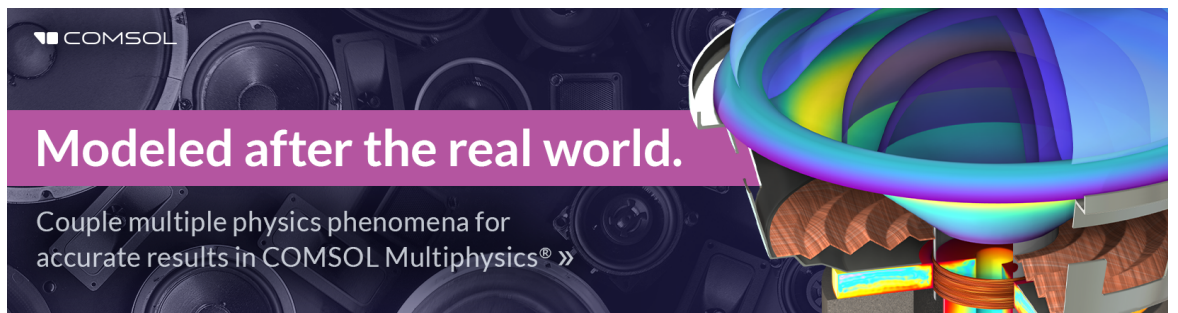
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Editor's Note: Readers of this journal are encouraged to submit news items on awards, appointments, and other activities about themselves or their colleagues. Deadline dates for news and notices are 2 months prior to publication.

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2022—2023 Reports of Technical Committees of the Acoustical Society of America

Technical Committees represent fourteen different areas of acoustics in the Society. Appointments to the Technical Committees take place at the spring meeting. Members who are interested in being appointed to a technical committee should send a message to asa@acousticalsonline.org.

Acoustical Oceanography

This annual report reviews activities of the Technical Committee on Acoustical Oceanography (TCAO) for the 183rd and 184th meetings of Acoustical Society of America (ASA) in Nashville, Tennessee, and in Chicago, Illinois. Dr. John Colosi graciously filled in as the TCAO chair at the Nashville meeting, as the newly elected chair (and author of this report) remained at home caring for a brand-new baby. I hope to visit the country music capital of the world another time.

Between the two meetings we had several excellent and timely special sessions organized by our members. Topics at Nashville were (1) Acoustical Remote Sensing, Navigation, and Passive Monitoring in the Polar Ocean, (2) Acoustical Sensing of Ocean Turbulence, Mixing, and Stratification, and (3) Shelfbreak Acoustics. In Chicago a special memorial session for Jeffrey A. Nystuen was held, with heartfelt and moving talks given by colleagues, former students, friends, and fellow acoustical oceanographers. The session was broadcast live, allowing family members and guests outside the Acoustical Society to attend virtually and learn more about Jeff's scientific work. Dr. Nystuen's obituary is found in Volume 17, Issue 1 of *Acoustics Today*.

Over the year there were also several awards to be celebrated. At the Nashville meeting we acknowledged AO founding father and Michael Buckingham with the society's Gold medal, awarded to an "individual whose contributions to the field of acoustics and to the Acoustical Society have been unusually distinguished." Michael's citation reads "for theoretical and experimental contributions to ocean acoustics and for service to the Society." Following along at the Chicago meeting, AO member Dr. Kathleen Wage was awarded the Rossing Prize in Acoustics Education. Her prize lecture was entitled "DJ Prof: Reflections on Teaching" and her excellent series of videos on signal processing can be found at www.youtube.com/@ProfKathleenWage. The AOTC Medwin Prize was awarded to David Barclay, with the citation "for contributions to the fundamental understanding of ocean ambient sound." The prize lecture was entitled "Passive acoustic exploration of the ocean."

The AO students also shone during this past year with the top two exemplary papers receiving an award at each meeting. The first-place prize was awarded to Emmanuelle Cook for her talk "Determining the speed dependent source level of a snowmobile traveling on sea-ice" and second place to Natalie Kuskhtel for her talk "Sound propagation measurements using an autonomous underwater vehicle acoustic array in the New England Shelf Break Acoustics network" at the Nashville meeting. In Chicago, Ryan Saenger won with "Mid-frequency acoustic localization of breaking waves" and second place was awarded to Rachel Kahn for "Broadband attenuation-based measurements of bubble size distributions." The exceedingly narrow point spread between the winning talks and the many other wonderful student presentations, makes it difficult to distinguish signal from noise, so we thank our excellent student members and our hard-working judges.

This year also saw the establishment of two new prizes. The TC Acoustical Oceanography Student Travel Award (also known as The Eileen and Herman Medwin Award), was awarded for the first time to

support student attendance at ASA meetings. Rachel Kahn was the inaugural recipient at the Chicago meeting. The Daoma and Murray Strasberg fellowship was also launched, providing financial support for graduate students working in the area of ocean acoustics. The award, in memory of prolific mystery, history, and romance novelist Daoma and her acoustical physicist husband Murray, was awarded for the first time in 2023 and is administered by the TCs of Acoustical Oceanography, Underwater Acoustics, Physical Acoustics, Structural Acoustics and Vibration, and Signal Processing. The inaugural winner will be formally announced at the Fall 2023 meeting.

At our TC meetings, members reported on select activities outside the ASA. Dr. Bruce Howe described an effort to support the inclusion of hydrophones in The Science Monitoring and Reliable Telecommunications (SMART) Subsea Cables initiative led by the World Meteorological Organization, UNESCO and the UN International Telecommunications Union. Drs. Jen Miksis-Olds and Preston Wilson described their participation in the National Academies committee on Ocean Acoustics Education and Expertise.

Thanks to all members of the TC for welcoming me as the new chair. I appreciate all the efforts put towards creating an energetic and dynamic atmosphere in AO and the ASA, and in making TCAO the scientific center of ocean sensing and monitoring with sound. We look forward to a productive and exciting year ahead.

David Barclay
 Chair, 2022–2025

Animal Bioacoustics

This report summarizes the activities of the Animal Bioacoustics Technical Committee (TCAB) from spring 2022 to spring 2023, which includes the Nashville meeting (December 2022) and Chicago meeting (May 2023).

At the Nashville meeting, TCAB sponsored two special sessions, "Effects of COVID-19 on Animals and Soundscapes" (joint with Psychological and Physiological Acoustics) and "Mapping Acoustic Features to Production Mechanisms in Speech and Animal Communication" (joint with Psychological and Physiological Acoustics, Speech Communication, and Signal Processing in Acoustics). At the TCAB open meeting, which was held in a hybrid format, we discussed technical initiatives, including ongoing support for the best student paper awards, speaker travel funds, and requests for support for co-sponsored meetings. The winners of the Nashville best student papers were first place to Benjamin Beiter for the talk "Optimization approach to designing a bioinspired bat robot for flight and sonar integration," and second place to Marissa Garcia for the talk "Acoustic density estimation of North Atlantic right whales (*Eubalaena glacialis*) in Cape Cod Bay, MA, USA"

At the Chicago meeting, TCAB sponsored three special sessions, "Climate Change and Sound" (joint with Acoustical Oceanography, Noise, Underwater Acoustics, and Signal Processing in Acoustics), "Contributions of 'Expert' Subjects to Animal Bioacoustics," and "Session in Honor of James A. Simmons" (joint with Psychological and Physiological Acoustics and Signal Processing in Acoustics). We also sponsored two standing sessions, "Acoustic Ecology and Biological Soundscapes" and "Animal Vocal Communication and Physiology." At the TCAB open meeting, which was held in a hybrid format, we discussed technical initiatives, including ongoing support for the best student paper awards, speaker travel funds, and requests for support for co-sponsored meetings. The winners of the Chicago best student papers were

first place to Irina Tolikova for the talk “Source separation with an acoustic vector for terrestrial bioacoustics” and second place to Valerie Eddington for the talk “Estimating populations of dense animals using acoustics.”

Many thanks to our student representative, Brijonnay Madrigal, and our TPOM organizers Rolf Mueller (Nashville) and Shane Guan (Chicago).

Laura Klopper
Chair, 2021–2024

Architectural Acoustics

The Technical Committee on Architectural Acoustics currently has about 300 members, of which about 30% are students, the other 70% are academics and practitioners. Olivia Heui Young Park is the current Student Representative for the TC.

183rd Nashville, TN (Fall 2022):

TCAA had 72 papers presented in 8 special sessions.
72 members attended the TC meeting on Tuesday December 6th.

Best student paper awards:

- 1st Olivia Heui Young Park Assessing cognitive effects of transportation noise on office workers with electroencephalography and performance
- 2nd Drake Andrew Hintz Spatial release from masking in anechoic and reverberant environments

EK Ellington Scott received the Beranek scholarship (previous meeting).

184th Chicago, IL (Spring 2023):

TCAA had 72 papers presented in 9 special sessions.
100 members attended the TC meeting on Tuesday May 24th in person and online.

Best student paper awards:

- 1st place—1aAA2—Sunit Girdhar—Using a simulation model to guide a new measurement method for floor ceiling assembly impact performance
- 2nd Place—5aAA6—Jonathan Broyles—Acoustic design trade-offs when reducing the carbon footprint of buildings
- Zane Rusk received the Beranek scholarship.
- Greg Hernandez received the Winker Scholarship.

Other:

- Active TCAA member Jim Borzym passed away.
- We are preparing for the upcoming joint meeting with ICA May 2025. I (David) will be organizing the satellite conference International Symposium on Room Acoustics (ISRA) in New Orleans in the days following ASA-ICA. At this writing I am coordinating with Andy Piascek to have a partially joint satellite conference with the International Symposium on Musical Acoustics, which he is organizing.

David S. Woolworth
Chair, 2022–2025

Biomedical Acoustics

This report summarizes the activities of the Biomedical Acoustics Technical Committee from Nashville (Fall 2022) through the Chicago Meeting (Spring 2023).

Fall 2022 (Nashville): The 183rd Meeting of the ASA was held in Nashville from December 5 to 9 and included the following special sessions:

- Image quality assessment: Brett Byrum
- Langevin transducer: 150 years: Tom Szabo and Francis Duck
- Brain Theranostics and Neuromodulation: Charles Caskey
- Ultrasound brain and superresolution imaging: Chengzhi Shi
- Deep learning in ultrasound imaging and tissue characterization: Aiguo Han
- Novel ultrasound beamforming techniques and their applications: Jian-yu Lu

- Look how big you’ve gotten: Kevin Haworth and Mario Fabiilli
- Detection and quantification of bubble activity: Adam Maxwell
- Tribute to fellows and award winners of the BATC 2022: Ken Bader

The “Langevin transducer: 150 years” session was held as a hybrid. The technical committee meeting was held Wednesday evening, with ~ 46 attendees (three virtual). Discussion centered on the pros and cons of the virtual meeting, as long as there was something different proposed. Congratulations were in order for Kashta Dozier-Muhammad, recipient of the James West Fellowship! A report was provided by the Student Competition Subcommittee, including the recruitment of a BATC webmaster, Pradosh Dash. Discussions were also held regarding the upcoming election process for the new BATC Chair.

Spring 2023 (Chicago): The 184th Meeting of the ASA was held in Chicago from May 8 to 12. There were a healthy number of sessions held:

- Mentoring for biomedical acoustics: Kevin Haworth and Julianna Simon
- Student competition: Kevin Haworth and Kenneth Bader
- Clinical perspectives in biomedical acoustics: Tyrone Porter and Flordeliza Villanueva
- Lung Ultrasound: Libertario Demi
- Passive Acoustic Mapping: Michael Gray, Meaghan O’Reilly, Kevin Haworth
- Advances in Elastography: Tom Royston and Matt Urban
- Technology development in ultrasound therapy: Larry Crum
- Ultrasound and super resolution imaging: Chengzhi Shi
- Ultrasound-induced cell response: Yun Jing, Qifa Zhou, and Costas Arvanitis
- Ultrasound for ocular therapy: Maxime Lafond

The “Clinical perspectives in biomedical acoustics” session was held in hybrid format. At the TC meeting on Wednesday night (which included 65 participants, ~ 10 who were virtual), there was significant discussion about the virtual meeting to be held in Fall 2024. This was Megan Anderson’s last meeting as the student rep for BA, and Chirag Gokani will be stepping in to take her place in the fall meeting. This was also the last meeting Kang Kim served as the TPOM rep, and his service was gratefully acknowledged. John Cormack will be taking his place for the Sydney meeting. Further, James Kwan will take Libertario Demi’s place for starting with the Ottawa meeting. (Thanks for your service, Libertario!) Congratulations were abundant, as Mark Hamilton won the Gold Medal and the David Blackstock Mentoring Award, Vera Khokhlova won the Rayleigh-Helmholtz Silver Medal, and Julianna Simon won the R. Bruce Lindsay Award. Further, Kevin Haworth was inducted as a Fellow to the ASA, and Tyrone Porter was elected as our incoming Vice President. The student competition was held this year with approximately 40 participants. There was a tie for second place: Ashley Alva (Georgia Institute of Technology) and Shumeng Yang (University of Cincinnati). First place went to Grace Conway (University of Pittsburgh). This was Ken Bader’s last meeting as BATC Chair. Julianna Simon will be taking over as chair after the Chicago 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
- Julianna Simon, History and Archives
- Vera Khokhlova, International Research and Education
- Wayne Kreider, ASACOS
- Megan Anderson, Student Council Rep

Kang Kim and Libertario Demi are the BA TPOM representatives. Associate editors at JASA (Charles Church, Libertario Demi, 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 (Scott Schoen) for their contributions. Thanks also to all those who submitted abstracts and participated in the TC this year. Hope to see you at the Sydney Meeting!

Kenneth B. Bader
Chair, 2020–2023

Computational Acoustics

Computational Acoustics completed its first full year as a Technical Committee, after being promoted from a Technical Specialty Group at the May 2022 meeting in Denver. The CA TC provides a forum for researchers interested in numerical methods, optimization of calculations, benchmarking, and practical application of computational models. Young ASA members and industry are particularly strongly represented on the CA TC.

As a TC, Computational Acoustics now has a full complement of committee representatives: Amanda Hanford for the Technical Program Organization Meeting, Laura Brill for the ASA Standards Committee, Ralph Muehleisen for the Medals and Awards Committee, and Vladimir Ostashev for the Membership Committee. Pravinkumar Ghodake is the Student Representative. Michael Vorländer serves as the CA liaison to the Committee on Industry and Practitioners. Kuangcheng Wu is the *JASA* Coordinating Editor for CA. My three-year term as the CA TC (previously TSG) chair will conclude with the Ottawa meeting in Spring 2024. It's been a great ride, but it is time to find someone else who can push computational acoustics in ASA forward!

CA was the primary sponsor for four special sessions at the Fall 2022 meeting in Nashville: "Physics-Informed Artificial Intelligence/Machine Learning for Acoustics," which was organized by Brandon Lee, Amanda Hanford, and Matthew Blevins, "Numerical Approaches for Complex Media and Geometries" by Z. Charlie Zheng and Keith Wilson, "Learning and Stochastic Modeling in Computational Acoustics" by Pierre Lermusiaux, Wael Ali, and Aaron Charous, and "Finite Difference Time Domain Methods Across Acoustics" by Jennifer Cooper, Michelle Swearingen, and Subha Maruvada.

Five special sessions (a new record for CA!) were sponsored at the Spring 2023 meeting in Chicago: "Real-Time Computing" by Michael Vorländer and Jonas Braasch, "Computational Methods for Modeling Acoustic Damping" by Kuangcheng Wu and Sue Sung, "Wind Acoustics" by Gregory Lyons and Keith Wilson, "Boundary conditions Across Acoustics" by Jennifer Cooper and Michelle Swearingen, and "Showcases of HPC Across Acoustics" by Kuangcheng Wu and Ralph Muehleisen.

CA also held its Early Career Presenter award competition at the Nashville and Denver meeting. Three awards of up to \$250 are made. The winners from the Nashville meeting were Maia Gatlin, Aaron Charous, and Meydan Kaplan; for the Chicago meeting, Jacob Honer, Daniele Mirabilli, and Philipp Schäfer took the prizes. We'd like to thank all of the students who participated. The consistently outstanding quality of the presentations made the judges' decisions especially difficult!

Please join us at one of our upcoming TC open meetings in Sydney and Ottawa. The CA TC welcomes participation from all members of the ASA interested in computational acoustics. In particular, we are eager for new ideas on special sessions, collaborative code development and repositories, and benchmarking and validation.

D. Keith Wilson
 Chair, 2021–2024

Musical Acoustics

This report summarizes the activities of Musical Acoustics Technical Committee (TCMU) from July 2022 through June 2023, including the ASA meetings in Nashville (Fall 2022) and Chicago (Spring 2023).

At the 183rd meeting of the ASA in Nashville, TCMU organized two general topics sessions and one special session on Modeling and Simulation of Physical Effects in Sound Reproduction, organized by Preston Wilson and Mark Rau. We also co-sponsored a session on Additive Manufacturing in Acoustics. None of these were hybrid sessions. The Technical Program Organizers representing TCMU were Taffeta Elliott and Kurt Hoffmann.

Scott Hawley organized a well-attended technical tour of the music production facilities at Belmont University. The high points were a demonstration of the new Dolby Atmos surround sound system and a close-up look at a Foley sound effect studio! Scott also organized a special session on Signal Processing for Musical Audio Production (sponsored by Signal Processing).

First place in the best student paper competition was awarded to Makayle Kellison (Rollins College); second place was awarded to Samuel Bellows (BYU).

The open meeting of the technical committee had 20 in-person attendees and 10 attending remotely via Zoom. Significant outcomes of the meeting include

- A vote to implement an online form for judging the Best Student Paper award in Musical Acoustics—Andy Piacsek created the form in Qualtrics, adapted from an existing form used by Animal Bioacoustics, prior to the Chicago meeting
- Two attendees with Associate Member status filled out the form to upgrade to Full Member status (during the meeting!)

At the 184th ASA meeting in Chicago, TCMU sponsored two general and three special sessions:

- Acoustics of Stringed Instruments, organized by Montserrat Pàmies-Vilà and Vasileios Chatziioannou
- Acoustics of Percussion Instruments, organized by Andrew Morrison and Colin Malloy
- Music Synthesis Techniques Applied to Sound Design and Sonification, organized by Jill Linz (hybrid session)

Two of these special sessions had an associated musical performance: the harp duo Two Columns (Julie Spring and Ellie Kirk) performed an enchanting and eclectic program; a steel pan band from Joliet Junior College gave a lively performance on these instruments developed in the Caribbean. The Technical Program Organizers representing TCMU for this meeting were Kurt Hoffmann and Stephen Tufte.

The new online form for evaluating student presentations was widely used. A QR code linking to the form was available for attendees to scan. In the future, this code will be sent to nominated students to include in their presentation.

There were 20 in-person attendees at the open TC meeting and 10 who participated via Zoom. There was a robust discussion about the merits and challenges of hybrid sessions. The hybrid Music Synthesis session went reasonably smoothly, thanks to the help of volunteers from the audience who were familiar with navigating between Zoom and PowerPoint on a Windows platform. Suggestions for future hybrid meetings included designating a few rooms for hybrid sessions that have appropriate technology and dedicated staff. Approximately 25% of TC members plan to attend the Sydney meeting. Several ideas for new types of sessions were proposed for the all-virtual meeting in 2024, including an interactive workshop on simulations, demonstrations of telematic music technology, live tours of labs and/or instrument workshops, and an outreach session aimed at K-12.

Committee member roles:

Jonas Braasch was elected to serve as Chair of TCMU following the conclusion of Andy Piacsek's term after the Chicago meeting. May Pik Yu Chan will replace Colin Malloy as the Student Council representative following the Sydney meeting. Andrew Morrison is the new (as of 2022) representative to the Membership Committee and Murray Campbell was recently appointed to serve on the Medals and Awards Committee. TCMU members who are Associate Editors for *JASA* include Vasileios Chatziioannou, Psyche Loui, Andrew Morrison, and Tamara Smyth; Associate Editors for *JASA-EL* include Vasileios Chatziioannou and Murray Campbell. Andrew Morrison maintains the TCMU website (<http://tcmuasa.org/>), which includes links to future meetings, minutes of previous TCMU meetings, annual reports, student paper award winners, and useful links to teaching websites and musical acousticians.

Andrew A. Piacsek
 Chair, 2020–2023

Physical Acoustics

This report summarizes the activities of the Technical Committee on Physical Acoustics over the past year which includes the 183rd meeting in Nashville, TN and the 184th meeting in Chicago, IL

This has been an exceptional year for our TC in terms of awards and recognition. Mark Hamilton received the Gold Medal, which is the highest award given by the Society. He also received the David T.

Blackstock Mentorship Award from the Student Council. Vera Khokhlova received the Helmholtz-Rayleigh Interdisciplinary Silver Medal in Biomedical Acoustics and Physical Acoustics, in recognition of her groundbreaking work in both the fundamental physics and biomedical applications of nonlinear acoustics. Julianna Simon was the recipient of the R. Bruce Lindsay Award, which is given to an early career member with substantial contributions to the Society in addition to an outstanding research record. Four TC members were promoted to Fellows of the Society: Brian Anderson, Murray Korman, Tracianne Neilson, and Andy Piacsek.

Thanks go out to our committee representatives: Kent L. Gee, Membership; Jay Maynard, Medals and Awards; Greg Lyons, ASACOS; Aaron Vaughn, Web Committee, and Ferdousi Rawnaque, Student Council. Ferdousi will be handing off her duties to John case of Penn State after the fall meeting.

Regarding Society leadership, Tyrone Porter was voted to serve as Vice-President Elect. Subha Maruvada will continue to be on the Executive Council in the role of Past Vice-President. Josh Gladden concluded his three years of service in the office of Vice-President (Elect/Current/Past). Regarding Technical Committee leadership, Julianna Simon was elected as chair of BA. Three other members are continuing in their roles as TC chairs: Mike Haberman (EA), Alexandra Loubeau (Noise), and Keith Wilson (CA). Completing their terms as Chairs are Ken Bader (BA) and Andy Piacsek (MU). TC members chairing administrative committees include Julianna Simon, Preston Wilson, Dan Russell, Kimberly Riegel, Vladimir Ostashev, and Vic Sparrow. Andrea Arguelles will be replacing Tyrone Porter as the Chair of the Committee to Improve Racial Diversity and Inclusivity (CIRDI).

Currently twenty-one members are serving as associate editors in Society publications: Philippe Blanc-Benon, Charlie Church, Mike Haberman, Mark Hamilton, Kevin Lee, Tim Leighton, Junfei Li, Alexandra Loubeau, Philip Marston, Doug Mast, Jay Maynard, Joel Mobley, Michael Muhlestein, Vladimir Ostashev, Andy Petculescu, Bradley Treeby, Martin Verweij, Keith Wear, Keith Wilson, Preston Wilson, and Likun Zhang. In addition, Kent Gee is serving as Assistant Editor for POMA. Charlie Church continues in his role as the Editor-in-Chief for JASA-EL. Three members have authored Acoustics Today articles over the past year: James Friend, Mike Haberman and Keith Wilson. Regarding TCPA membership, the official roster has more than doubled over the last three years and currently stands at 126.

The Nashville meeting featured nine special sessions and two general sessions. The special sessions included "Acoustofluidics" (James Friend, Charles Thompson, Kedar Chitale, Mark Meacham, Max Denis), "Effective Medium Theories in Acoustics" (Michael Muhlestein), "Frontiers of Resonant Ultrasound Spectroscopy and Its Applications" (Christopher Kube, Matthew Cherry, Rasheed Adebisi), "Infrasound" (Philip Blom, Gil Averbuch, Roberto Sabatini), "My Favorite Homework Problems" (Daniel Russell, Thomas Szabo, Preston Wilson), "Particle Velocity Sensing and Associated Signal Processing" (Kirk Alberts, Ning Xiang), "Interaction of Light and Sound" (Carr Everbach, Jason Raymond), and "Ultrasonic Assessment of Properties in Complex Materials" (Andrea Arguelles, Marie Muller). Our TPOM representatives were Sam Wallen and Raphael Hermann. The TC meeting on Tuesday night had 100 attendees, with 89 in person and 11 online. Of these, 25 were first-time attendees. A special thanks to Andrea Arguelles and Julianna Simon for organizing the first "Physical Acoustics Best Student Paper Competition." Congratulations to our winners: 1st place, Aubin Chaboty, École de Technologie Supérieure (Canada); 2nd place, Caeden Smith, Penn State University; 3rd place, Junpeng Lai, Binghamton University.

The Chicago meeting featured eight special sessions and two general sessions. The special sessions included "Acoustic Remote Sensing in Urban Environments" (Max Denis, Sandra Collier), "Acoustics Demonstration Extravaganza" (Dan Russell), "Interaction of Electromagnetic Waves with Acoustic Waves" (Chu Ma, Parag Chitnis), "Advances in Sonochemistry" (James Kwan), "Radiation Force and Spectroscopy" (Christopher Mizzi, Robert Lirette), "Acoustic Propagation Effects" (Joel Lonzaga, William Doebler), "Acoustics and Elasticity of Consolidated and Unconsolidated Granular Materials" (John Yoritomo, James Bittner, Richard Weaver), and "Acoustic Sensing in Planetary Environments" (Andi Petculescu, Tim Leighton). Our TPOM representatives for the meeting were Raphael Hermann and Joel Lonzaga. The TC

meeting on Tuesday night had 106 attendees, with 97 in person and 9 online. This included 20 who joined in for the first time.

Plans for the upcoming meeting in Sydney, Australia, include a total of five special sessions: "Acoustical Measurements and Sensors for Challenging Environments" (Cristian Pantea, Akira Nagakubo), "Acoustical Methods for Materials Analytics" (Raphael Hermann), "Artificial Intelligence for Metamaterials" (Feruza Amirkulova, Chengzhi Shi, David Powell), "Multiphase Flow and Acoustics" (John Allen, Richard Manasseh, Joseph Kim), and "Nonlinear Acoustics in Solids" (Christopher Kube, Ching-Tai Ng). Raphael Hermann and Joel Lonzaga will continue as our TPOM representatives for this meeting.

Now that my term of service has ended, I am pleased to announce Christopher Kube as the new chair of TCPA. Chris is an Associate Professor in the School of Engineering at Penn State. I am confident Chris will provide excellent leadership to the TC. To conclude, I would like to express my gratitude to our members and associates for the energy, creativity, and commitment that they provide to the Society and the broader acoustics community.

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 2022 through May 2023, which includes the 183rd meeting in Nashville TN (Dec 2022) and the 184th meeting in Chicago IL (May 2023).

The Fall meeting in Nashville was on the smaller side for P&P, as is usual given our emphasis on Spring meetings. The P&P technical program featured two podium sessions, two poster sessions, and several co-sponsored sessions with other technical committees. At the Awards Ceremony we celebrated our newest Fellow Lina Reiss ("For studies of combined electric and acoustic hearing"). The Open Meeting of the P&P technical committee was attended by around 30 people in-person.

The Spring meeting in Chicago had a busy P&P technical program that included four podium sessions, three poster sessions, and several co-sponsored sessions. Erick Gallun gave a wonderful keynote lecture titled "Clinical research in acoustics: Reflections on a journey from bench to bedside and back again." Bertrand Delgutte was awarded the 2022 William and Christine Hartmann Prize in Auditory Neuroscience and had a full and lively audience for his lecture titled "In search of the missing resolved harmonics: Neural and behavioral studies of pitch discrimination." At the Awards Ceremony we also celebrated our newest Fellows John Galvin III ("For research into speech and music perception with cochlear implants") and Sarah Verhulst ("For contributions to computational modeling of the normal and impaired auditory system"). We dedicated one of the poster sessions to candidates for the Best Student Paper Award. This session was a great success, and the winners were Samantha Hauser and Rebecca Higgins. Congratulations to them both! The Open Meeting of the P&P technical committee was hybrid and was attended by around 100 people in total. At this meeting we thanked three members who ended their terms on the technical committee (Magda Wojtczak, Pavel Zahorik, Yi Shen) and welcomed in an incredible 34 new members! I am excited about our new volunteer structure, which will promote the engagement of active and enthusiastic members from different career stages.

Greg Ellis was the Technical Program Organizer for both of these meetings and we are grateful for his hard work! P&P has many special sessions planned for the upcoming meetings in Sydney, Australia (Dec 2023) and Ottawa, Canada (May 2024), and some creative ideas are brewing for the fully virtual meeting happening in the Fall of 2024.

Outside of meetings, 2022–2023 saw a continuation of the P&P Virtual Journal Club, which gives members a chance to meet informally once a month and discuss a current paper from JASA with the author. Thank you to the organizers (especially Chris Conroy) as well as authors and attendees for continuing to make this event fun and engaging. We have many P&P members serving on ASA committees and we are grateful to them all. Some new appointments include Barb Shinn-Cunningham (President Elect), Laurel Carney (Medals and Awards Committee), Matt Goupell (Membership Committee), Pavel Zahorik (Meetings Committee), Skyler Jennings (Books Committee), and Mathias Dietz (Hartmann Prize

Committee). Thanks also to our new coordinating editor for JASA, Emily Buss, and all of the associate editors for JASA, JASA-EL, and POMA. On a sad note, the P&P community lost a number of cherished colleagues over the past year, including Lou Braid, Dave Green, Nelson Kiang, and Christian Füllgrabe. Their influence on our field was enormous and they will continue to inspire us.

Finally, as my three-year term has come to an end, I want to congratulate and welcome the new P&P Chair Chris Stecker. It has been an absolute pleasure getting to know so many P&P members better during my term. Thanks for your support and friendship!

Virginia (Gin) Best
 Chair, 2020–2023

Signal Processing in Acoustics

The Technical Committee on Signal Processing in Acoustics (TCSP) welcomed yet another high impact (factor) year. We continue to provide a diverse set of special sessions addressing the unique signal processing challenges faced in acoustics.

At the fall 2022 meeting held in Nashville we had three special sessions. “Dispersive Wave Signal Processing,” was chaired by Zoi-Heleni Michalopoulou and Julien Bonnel with over 17 contributions with both a morning and afternoon session. “Active Control of Sound and Vibration,” was chaired by Yangfan Liu and Jordan Cheer and had 8 presentations about theories, algorithms, practical applications and technology commercialization related therein. “Signal Processing for Musical Audio Production,” was led by Scott Hawley which has 6 amazing talks. Personally, I was fascinated by completely AI generated music as well as music sound engineering. Our Technical Program organizers were Trevor Jerome and Kay Gemba.

We began the spring 2023 meeting in Chicago with a two-part session about “Acoustical Imaging, Reconstruction, and Localization.” Yangfan Liu and Efrén Grande had 20 invited and contributed talks. Next the “Feature Extraction, Dimensionality Reduction, and Learning in Ocean Acoustics,” was organized by Jim Preisig, Andy Singer, and Grant Deane. It had over 15 powerful afternoon talks. Next came one of my favorite new session formats: “My Favorite Signal Processing Homework Problems.” With 20 talks, John Buck and Kathleen Wage lead a fun two-part discussion about our favorite problem to either give or get. Once again our Technical Program organizer was Trevor Jerome.

We again thank Trevor again for organizing our best student paper awards which is our chance to recognize outstanding student achievement. At Nashville first and second place were, respectively, taken by Nick Joslyn for their talk entitled “Super-Resolution, Time-Reversal Focusing using Path-Diverting Scatterers,” and Daniel Lopes for “Estimation and Interpretation of Multipath Channel Activity using Braiding Techniques.” At the Chicago meeting the first and second place awards were respectively awarded to William Frost Jenkins for “Acoustic Source Localization using Bayesian Optimization with a Gaussian Process Surrogate Model,” and to You Zhang for “Grid-Agnostic Personalized Head-Related Transfer Function Modeling with Neural Fields.”

The TCSP has sponsored an International Student Challenge problem in 2023. Pay close attention to Acoustics Today for the problem and solution requirements. Submissions will be due later this year. Brian Ferguson, Lee Culver, and Kai Gemba will manage the competition.

Thanks to Sam Bellows, our Student Representative, for all of his hard work this is his last few meetings. Congratulations to Raymond Plasse who is our incoming Student Representative.

John Buck, Univ. of Mass. Dartmouth serves as the TCSP representative to the Membership Committee and as our representative to the Education in Acoustics Committee. Peter Gerstoft of Scripps Institution of Oceanography who 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. Trevor Jerome, NSWC Carderock also serves us on Public Policy. Ryan Harné 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, Kay Gemba, Haiqiang Niu, Julian de Rosny, Paul J. Gendron, and Efrén

Fernandez-Grande. Peter Gerstoft serves as our coordinating editor to JASA. Our JASA-EL Associate Editors are John Buck, David Swanson, and Wen Xu. Our POMA Associate Editors was Ryan Harné. Last, a sincere and grateful thank you to anyone I may have missed as so many wonderful members of our TC contribute to its success.

We look forward to meeting in person again at our fall 2023 meeting in Sydney, Australia. We will meet locally in the morning to have our telepresence at our regular time. TCSP will continue to lead scientific efforts to advance the theory and methods of inference from ever-increasing volumes of acoustic observations.

Geoffrey Edelmann
 Chair, 2021–2024

Speech Communication

This report covers the activities of the Speech Communication Technical Committee from June 2022 through June 2023, which includes the spring meeting in Nashville and fall meeting in Chicago. Both in-person meetings were well attended by the SCTC members.

In Nashville, we had two special sessions: “Speech and Healthcare” (organized by M. Baese-Berk & T. Bent) and “Bilingualism & the Brain” (organized by M. Sarrett & J. Toscano). C. Zhao, M. Masapollo and P. Bottalico were the Technical Program Organizers. We had three special sessions in Chicago: “Clear Speech(es) Across People, Places, and Time” (organized by R. Smiljanic & G. Zellou), “Infusing Social Justice in Speech and Hearing Acoustics Pedagogy: Principles and Case Studies” (organized by B. Munson), and co-sponsored with Perception & Psychoacoustics: “Perception Beyond Tones and Speech in Normal and Impaired Hearing: Voice, Emotions, and Music Perception” (organized by D. Bazkent & T. Perrachione). M. Masapollo, P. Bottalico, K. Berkson were the Technical Program Organizers.

Forty-eight students entered the Student Poster Competition at the Nashville meeting. The first prize winner was Y. Huang for “The tonal system of Hengyang.” The 2nd place winner was B. Lang for “Perceiving the Intersection of Gender Identity, Sexual Orientation, and Gender Expression in American English.” Sixty-four students entered the Student Poster Competition at the Chicago meeting. The following presenters tied for first were respectively Abby Thomas “Perception of Talker Height in Children’s Productions of Sustained /a/” and Thomas Sostarics “Tonal Center of Gravity Predicts Variation in the Interpretation of Rising and Falling Intonation in American English.” The Student Poster Competition was organized by C. Yoonjeong Lee, M. E. Cychosz, and D. Aalto in the fall and by D. Aalto, B. Merritt, and L. Koenig in the spring. Congratulations to the winners and big thanks to all the volunteer judges. This year, we had two recipients of the 2023 Stetson Scholarship in Phonetics and Speech Production: Hantao Wang (University of Washington) with a project entitled “Investigating the neural bases of auditory-motor adaptation using the deep brain stimulation technology.” and Nicole Tomassi (Boston University) with a project entitled: “Effects of Autonomic Arousal and Cognitive Load on Sensorimotor Adaptation of Speech.” Ayelet M. Kershenbaum at Harvard University received an Honorable Mention. Congratulations to all! We thank the selection committee, S. Levi (chair), S-J. Lim, M. Zanartu, and P. Bottalico 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; and Members of the SCTC advisory group: Term to 2025: Daniel Aalto, Hans Rutger Bosker, Pasquale Bottalico, Laura C. Dilley, Qian-Jie Fu, Nikša Jakovljevic, Chang Liu, Xin Luo, Kimberly M. Meigh, Linda Polka, Vishakha Rawool, Katharina Schuhmann, Rajka Smiljanic Jill C. Thorson, Mark VanDam, Marcin Wroblewski, Yan H. Yu, Christina Zhao; Term to 2024: M. M. Baese-Berk, K. H. Berkson, A. R. Bradlow, M. E. Cychosz, C. G. Clopper, M. M. Flaherty, Y. F. Holt, S-J. Lim, M. A. Redford, T. Perrachione, I. A. Shport, Y. Wang, M. D. Winn, K. J. Van Engen, K. Yoneyama; Term to 2023: D. Baskent, A. L. Francis, M. J. Kieffe, S. V. Levi, J. A. Sereno, C. E. Stilp, B. H. Story, Zh. Zhang. We are grateful to our representative on the Student Council S. Dutta.

I am thankful to all SCTC members who served in the ASA Leadership roles, on committees and Task Forces: Peggy Nelson (President), Ann Bradlow (Vice-President-elect), Judy Dubno (Treasurer, Foundation Board), Maureen Stone (Executive Council), Ben Munson (Membership Committee), Diane Kewley-Port (Investments, Public Policy); Fredericka Bell-Berti (Archives and History, Foundation Board), Tessa Bent (Member Engagement), Zhaoyan Zhang (Medals and Awards); Maureen Stone (Finance); Alex Francis (Panel on Public Policy), Christine Shadle (Prizes and Special Fellowships; Ethics and Grievances; ASA Books); Cynthia Yoonjeong Lee (ASACOS), Jody Kreiman (Finance), Catherine Rogers (College of Fellows Steering); S. Lulich (Virtual Task Force). The following served as JASA, JASA-EL & POMA Associate Editors: Z. Zhang (Coordinating Editor), P. Alku, M. Baese-Berk, S. Fuchs, J. H. L. Hansen, E. Jacewicz, J. Kreiman, J. Kuang, A. Lofqvist, S. Mattys, Y. Stylianou, B. V. Tucker, B. Yegnanarayana, S. A. Fulop (Patent Reviews), M. Cooke, D. Derrick, A. Lofquist, D. D. O'Shaughnessy, R. M. Theodore, T. Toda, M. Zańartu, M. Renwick, and N. Jakovljević.

Benjamin V. Tucker
Chair, 2022–2025

Structural Acoustics and Vibration

This report summarizes the activities of the Structural Acoustics and Vibrations Technical Committee (SAVTC) during the 183rd Meeting in Nashville, TN (Fall 2022) through the 184th Meeting in Chicago, IL (Spring 2023).

The 183rd ASA in Nashville, TN took place 5–9 Dec, 2022. SAVTC had 5 special and one contributed session.

- Tunable Active Metamaterials: Ganesh Patil, Ben Goldsberry, and Betsy Smith
- Additive Manufacturing: Christina Naify, Michael Haberman, Jim Cottingham, and John Granzow (Musical)
- Surrogate and Reduced-Order Modeling for Structural Acoustics Applications: Stephanie Konarski and Anthony Bonomo, Ali Kanj
- Acoustic Metamaterials: Christina Naify, Alexey Titovich, and Bogdan Popa
- Fluid Structure Interaction: Ben Goldsberry and Micah Shepard
- (Contributed) Analysis of Vibratory Systems: Stephanie Konarski and Thomas Bowling

The student paper competition was evaluated via a shared QR code and organized by Benjamin Shafer, and Trevor Jerome with a total of 16 student submissions. The session on Additive Manufacturing featured an invited speaker who presented her studies on 3D printing a violin (Mary-Elizabeth Brown). This talk was featured in a press conference given by the ASA Media team and the story was picked up by over 30 news outlets, both domestic and international. The Additive Manufacturing session also featured an invited talk by the winner of the Additive Manufacturing and Acoustics Student Challenge problem, Lara Diaz-Garcia on her submission *Novel Biomimetic Acoustic Sensors Inspired by Insect Hearing*. A summary of the results of that competition is available in the Winter 2022 edition of Acoustics Today.

At the TC meeting Tuesday evening, Betsy Smith served as technical assistant during the TC meeting, running the zoom to facilitate the hybrid TC meeting. The TC meeting had 44 attendees in person and 11 people via Zoom. Procedures for fellowship nominations were reviewed again as SAV has a limited fellow-pool from which to draw committee memberships. The POMA student competition was reviewed as a way to increase POMA submissions and provide opportunities for students to hone writing skills. The Trent-Crede Metal was discussed as it is likely that SAV will have the opportunity to nominate someone in the near future. SAV has continued to grow with 75 current members. Sessions were finalized for the Sydney meeting in fall 2023 and initial sessions were proposed for the Ottawa meeting in spring 2024.

The winners of the student competition were:

1st Place, Daniel Giraldo Guzman, Topology Optimization Design of Elastodynamic Metasurfaces Based on Resonance Gaps and Antiresonance Matching;

2nd Place, A. J. Lawrence, Modular Speaker Design Enabled by Multi-Material Additive Manufacturing.

The 184th ASA in Chicago, IL took place 8–12 May, 2023. SAVTC had 5 special sessions and 1 contributed session:

- Acoustic Metamaterials: Christina Naify, Alexey Titovich, Bogdan Popa, and Brittany Wojciechowski
- Historical Perspectives in Structural Acoustics: Alexey Titovich, K. C. Wu, and A. J. Lawrence
 - * Chosen as the ONE session in Chicago to be hybrid.
- Real World Case Studies for Damping: Ben Shafer and Bob Koch and Saranchana Keattitorn
- Acoustic Excitation of Structures: Brian Anderson and Trevor Jerome and Ian Bacon
- Tutorial on Structural Acoustics: Stephanie Konarski and Anthony Bonomo
- (Contributed) General Topics in Structural Acoustics: Anthony Bonomo, Hubert Hall

The student paper competition was evaluated via a shared QR code and organized by Trevor Jerome with a total of 19 student submissions.

The TC meeting had 49 attendees in person and 9 people via Zoom. SAV TC meeting was moved to Wed evening for the first time to de-conflicted schedule-wise with Physical Acoustics TC, whose meetings were also Tuesday evening. Sessions were finalized for the Ottawa meeting in spring 2024 and initial sessions proposed for the virtual meeting in fall 2024. SAV congratulated member Bogdan Popa for being elected Fellow of the Society. The room size for SAV at this meeting was discussed, specifically that the size of the room was very small compared to other sessions.

The TC meeting schedule for Sydney (fall 2023) was discussed. Another topic of discussion included the fall 2024 virtual meeting. Concerns were raised about the ability to socialize and network virtually and ideas were discussed to take advantage of the virtual aspect of the meeting including live demos or lab tours. One such idea was presented to hold a special SAV session for the student paper winners from the last 2 years to present their work. Initial session ideas were also discussed for the meeting in New Orleans in spring 2025. Finally, a presentation was given by S. Hales Swift and Matthew Guild on an idea to start a new Interdisciplinary Technical Group on Phononics and Acoustic Metamaterials. Membership for SAV was 87 at the time of this meeting.

The student competition resulted in a tie:

1st Place, Chirag Gokani, Source-Driven Homogenization Theory for Electro-Momentum Coupled Scatterers

1st Place, Akash Nivarthi, Mechanical Characterization of Additively Manufactured Polymers using Ultrasonic Nondestructive Testing

Thank you to all who have volunteered including but not limited to:

- A. J. Lawrence and Ian Bacon (Student Council)
- Karl Grosh (Medals and Awards)
- Robert Koch (ASACOS)
- Kuancheng Wu (Membership Committee)
- Ryan Harné/Jason Smoker (SAVTC Web Page)
- Andrew Barnard (Education in Acoustics Committee)
- Ben Shafer, Trevor Jerome (Student Paper Competition)
- Anthony Bonomo, Stephanie Konarski (Technical Program Organizers)
- Nicole Kessissoglou (Coordinating Editor), Li Cheng, Laurent Maxit, Marcel C. Remillieux, Franck Sgard (JASA Associate Editors for SAV)
- Greg McDaniel (JASA Express Letters Associate Editor for SAV)
- Micah Shepherd (POAM Editor for SAV)
- All session chairs.

Your time and effort help make our committee successful and I look forward to continue to grow the committee and expand outreach over the next year.

Christina J. Naify
Chair 2021–2024

Underwater Acoustics

This annual report summarizes activities of the Technical Committee on Underwater Acoustics (TCUW) for the 183rd (Nashville) and 184th (Chicago) meetings of the Acoustical Society of America (ASA).

At Nashville, the special sessions TCUW hosted included “Memorial Session for Lisa Zurk” organized by Kathleen Wage, Dan Rouseff, and Martin Siderius; “Mud Acoustics” organized by Charles Holland, Stan Dosso, and Allan Pierce; “Updating Ocean Acoustic Situational Awareness with *In situ* Measurements” organized by Carolyn Binder; and two co-hosted special sessions with other TCs.

TCUW special sessions at Chicago included “Acoustic Methods for Unmanned Mobile Platforms: Sensing, Localization, and Communications” organized by Aijun Song, Fumin Zhang, and Martin Siderius; “Exploring Fine-Grained Sediments in the Variable Ocean” organized by David Knobles, Preston Wilson, and Tracianne Neilsen; “3D Acoustic Propagation” organized by T. J. Flynn and Jennifer Cooper; and ten co-hosted special sessions with other TCs.

Congratulations to our Gold Medalist Michael Buckingham and AB Wood Medal winner David Barclay! We also congratulate our new fellow Julien Bonnel and best student paper prize winners for Nashville: Kirby Parnell (first place) and John Ragland (second place) and for Chicago: Mark Kelly (first place) and Hunter Akins (second place).

We thank TCUW representatives Kevin Lee for serving on the ASA Committee on Standards; Mohsen Badiy on the Membership Committee; Preston S. Wilson on Medals and Awards Committee; and David Dall’Osto on the Technical Program Organizing Committee for both Nashville and Chicago meetings. We also thank our outgoing student representative Billy Jenkins and welcome our incoming student rep Natalie Kukshtel.

Thanks to the effort from all TCUW members and I look forward to seeing you all in Sydney!

Jie Yang
 Chair 2021–2024

Members of Committees and Councils of the Acoustical Society of America

The Technical and Administrative Committees, Administrative Councils, 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 2024.

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Term to 2026
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 Gabriela Blanco
 Andy W. L. Chung
 F. M. del Solar Dorrego
 Veerababu Dharanalakota
 Bryce Lemert
 Joel B. Lonzaga
 Jacob Mathew
 Rolf Mueller
 Gopu R. Potty
 Aparna Singh
 Nirmal Srinivasan
 William M. Whitmer
 Chao Min Wu
Term to 2025
 Woon S. Gan
 Klaus Genuit
 Juan Tu
 Likun Zhang
Term to 2024
 Adrian K. C. Lee
Ex officio:
 Vera A. Khokhlova, CIRE Chair
 Stephen J. Lind, Standards Director

International Research and Education

Vera A. Khokhlova, Chair to 2025
Term to 2026
 Philippe Blanc-Benon
 Julio A. Cordioli
 Eleanor Martin
Term to 2025
 Sebastian Fingerhuth
 Lukasz J. Pieczonka
 Lucky Tsaih
Term to 2024
 Ernesto Accolti
 Karim G. Sabra
 Oleg A. Sapozhnikov

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 David Copeland
 James H. Miller
 Scott D. Pfeiffer
Term to 2024
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 William M. Hartmann
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 Susan Fox, Executive Director
 Michael McGovern, Finance Director

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Term to 2026
 Bennett M. Brooks

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Term to 2025
 Damian J. Doria
 Matthew S. Hildebrand
 Charles J. Smith
 David S. Woolworth
Term to 2024
 Tyler Flynn
 Christopher M. Jasinski
 Brandon M. Lee
 Bruce C. Olson

Medals and Awards

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Term to 2026
 K. Anthony Hoover, Architectural Acoustics
 Vera A. Khokhlova, Biomedical Acoustics
 Preston S. Wilson, Underwater Acoustics
Term to 2025
 Murray D. Campbell, Musical Acoustics
 John A. Colosi, Acoustical Oceanography
 Peter Gerstoft, Signal Processing in Acoustics
 Karl Grosh, Structural Acoustics and Vibration
 Ralph T. Muehleisen, Computational Acoustics
 Zhaoyan Zhang, Speech Communication
Terms to 2024
 Julian D. Maynard, Physical Acoustics
 Laurel Carney, Psychological and Physiological Acoustics
 Patricia Davies, Noise
 Aaron M. Thode, Animal Bioacoustics
 Stephen C. Thompson, Engineering Acoustics

Meetings

Pavel Zahorik, Chair to 2026
Term to 2026
 Veerle Keppens
 Michael Vorländer
Term to 2025
 Virginia Best
 Trevor W. Jerome
Ex officio:
 Susan E. Fox, Executive Director
 Elaine Moran, Director of Operations

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Kimberly Riegel, Chair to 2025
Term to 2026
 Nour G. Al Rifai
 Jeffrey S. Bevan
 Stephanie Konarski
 Bryce Lemert
 Meaghan A. O'Reilly
 Tuhin Roy
 Marisha L. Speights-Atkins
 Carrie Wall
Term to 2025
 Tessa Bent
 Jennifer L. Cooper
 Evelyn M. Høglund
 Martin Lawless
 Susannah V. Levi
Term to 2024
 Amanda D. Hanford
 Yolanda F. Holt
 Derek R. Olson
Ex officio:
 Tyrone M. Porter, Vice President-Elect
 Susan E. Fox, Executive Director

Membership

Elizabeth A. Strickland, Chair to 2025
Term to 2026
Kuangchang Wu, Structural Acoustics and Vibration
Matthew J. Goupell, Psychological and Physiological Acoustics
Robert J. McGough, Biomedical Acoustics
Bonnie Schnitta, Noise
Term to 2025
Mohsen Badiey, Underwater Acoustics
John R. Buck, Signal Processing in Acoustics
Damian J. Doria, Architectural Acoustics
Kent L. Gee, Physical Acoustics
Andone C. Lavery, Acoustical Oceanography
Vladimir E. Ostashev, Computational Acoustics
Term to 2024
Andrew C. H. Morrison, Musical Acoustics
Yun Jing, Engineering Acoustics
Benjamin R. Munson, Speech Communication
Edward J. Walsh, Animal Bioacoustics

Panel on Public Policy

Eric L. Reuter, Chair to 2026
Term to 2026
Andrew A. Piacsek
Term to 2025
James H. Miller
Brigitte Schulte-Fortkamp
Term to 2024
Megan S. Ballard
Alexander L. Francis
Trevor W. Jerome
Subha Maruvada
Robert D. White
William A. Yost
Ex officio:
Ann R. Bradlow, Vice President
Susan E. Fox, Executive Director
Stephen J. Lind, Standards Director
Peggy B. Nelson, Past President

Prizes and Special Fellowships

Christine H. Shadle, Chair to 2024
Term to 2026
Andrew C. H. Morrison
Term to 2025
David A. Brown
Patricia Davies
Term to 2024
John A. Hildebrand
Veerle M. Keppens

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Term to 2026
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Geoffrey F. Edelmann
Christopher C. Heffner
Matthew Kamrath
Joel B. Lonzaga
Brandon Patterson
Ram Shekar
Randall P. Williams
Term to 2025
Laura Kloeppe
T. Douglas Mast
Jenna Osborn

Molly Smallcomb
David S. Woolworth
Term to 2024
Kevin J. Haworth
Tracianne B. Neilsen
Andrew A. Piacsek
Tyrone M. Porter
Andrew T. Pyzdek
Ex officio:
Susan E. Fox, Executive Director
James F. Lynch, Editor-in-Chief
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Publication Policy

Vladimir E. Ostashev, Chair to 2024
Term to 2026
Siu-Kit Lau
Amanda M. Lauer
Jian Yu Lu
Andi G. Petculescu
Term to 2025
John A. Colosi
Michael Muhlestein
Michelle C. Vigeant
Zhaoyan Zhang
Term to 2024
Megan S. Ballard
Cynthia G. Clopper
Ralph T. Muehleisen
Roger M. Waxler
Ex officio:
Megan S. Ballard, Editor, Proceedings of Meetings on Acoustics
Charles C. Church, Editor, JASA Express Letters
James F. Lynch, Editor-in-Chief
Barbara G. Shinn-Cunningham, President-Elect

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Ana M. Jaramillo, Cochair to 2026
Colby W. Cushing/Mark F. Hamilton, Austin Student Chapter
Adam Kingsley/Scott D. Sommerfeldt, Brigham Young Univ. Student Chapter
Adam D. Bettcher, Cascadia
Jennifer L. Nelson Smid, 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
To be identified, Greater Boston
Robert D. Celmer, Univ. of Hartford Student Chapter
Jason K. 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. Hogle, Ohio State Univ. Student Chapter
Alie Lory, Oklahoma State Univ. Student Chapter
John A. Case, Pennsylvania State Univ. Student Chapter
Kenneth W. Good, Jr., Philadelphia
J. Stewart Bolton, Purdue Univ. Student Chapter
Ryan Hao, Rensselaer Polytechnic Inst. Student Chapter
Mike J. Biffignani, St. Louis
Jason Duty, San Francisco
Ana M. Jaramillo, Spanish Speaking Acousticians Regional Chapter

David Braslau, Upper Midwest
 Matthew Guild, Washington, D.C.
Ex officio:
 Samuel D. Bellows, Student Council representative

TC 108/SC4 Human exposure to mechanical vibration and shock,
 Logan Mullinix, Chair
 TC 108/SC5 condition monitoring and diagnostics of machine systems,
 Andrew Hess, Chair
 IEC U.S. Technical Advisor
 IEC/TC 29 Electroacoustics, Chad Walber, U.S. Technical Advisor
 Christopher J. Struck, Deputy U.S. Technical Advisor

Rules and Governance

Lily M. Wang, Chair to 2026
Term to 2026
 David L. Bradley
 Ann R. Bradlow
Term to 2025
 Andrew J. Oxenham
 Maureen L. Stone
Term to 2024
 Susan E. Fox
 Elaine Moran

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PVR = Primary Voting Representative/AVR = Alternate Voting Representative

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 William J. Murphy, Vice Chair
 Nancy Blair-DeLeon, Standards Manager, ex officio

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Christopher J. Struck, Chair and ASA PVR
 Chad Walber, Vice Chair
 Robert D. Hellweg, ASA AVR, ex officio

S2 Representation

James T. Nelson, Chair and ASA PVR, ex officio
 Anthony P. Nash, Vice Chair
 Richard J. Peppin, ASA AVR

S3 Representation

William J. Murphy, Chair and ASA PVR
 Todd Ricketts, Vice Chair
 Peggy B. Nelson, ASA AVR, ex officio

S3/SC1 Representation

Dorian S. Houser, Chair and ASA PVR
 Marie A. Roch, Vice Chair and ASA AVR

S12 Representation

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 Derrick P. Knight, Vice Chair
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 TC43/SC 1 Noise, Stephen J. Lind, Chair, Robert D. Hellweg, Vice Chair
 TC43/SC 3 Underwater acoustics, Allan Beaudry, Chair
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 TC 108/SC2 Measurement and evaluation of mechanical vibration and shock as applied to machines, vehicles and structures, Max L'vov, Chair

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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, Stephen J. Lind, AVR
 U.S. TAG to ISO/TC 43/SC 3, Underwater acoustics, David J. Vendittis, PVR, Vacant, AVR
 U.S. TAG to ISO/TC 108, Mechanical vibration, shock and condition monitoring (Including SC2, SC4 & SC 5), Anthony Nash, PVR, Vacant, AVR
 U.S. TAG to IEC/TC 29, Electroacoustics, Christopher J. Struck, PVR, Vacant, 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

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 Dorian S. Houser, Animal Bioacoustics
 Nicholas Sylvestre-Williams, Architectural Acoustics
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 Laura C. Brill, Computational Acoustics
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 Eric Hoover, Psychological & Physiological Acoustics
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 Cynthia Yoonjeong Lee, Speech Communication
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 Associate Editor, Standards News—JASA, ex officio Nancy Blair-DeLeon

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1 William D. Gallagher	2 Peter Hanes	3 Tomasz Letowski
4 Karl L. Peterman	5 Richard J. Peppin	6 Christopher J. Struck
7 Chad Walber	8 Lixue Wu	
S2		
1 Anthony J. Brammer	2 Robert M. Koch	3 Anthony Nash
4 Richard J. Peppin		

(Continued)

S3		
1 Robert F. Burkard	2 Peggy B. Nelson	3 Christopher J. Struck
4 Laura A. Wilber		
S3/SC 1		
1 Colleen Reichmuth	2 Aaron M. Thode	
S12		
1 Bennett M. Brooks	2 Robert D. Hellweg	3 Arnold Konheim
4 Stephen J. Lind	5 Siddharth Mahajan	6 David S. Michaud
7 Mathew A. Nobile	8 Richard J. Peppin	9 Jeffery Schmitt
10 Paul D. Schomer	11 Christopher J. Struck	12 Laura A. Wilbur

Term to 2026

Nour G. Al Rifai
Megan S. Ballard
Harriet Lea Banks
Hong Chen
Jessica S. Clements
Stecia-Marie P. Fletcher
Amanda D. Hanford
Brittany N. Jaekel
Laura Kloepper
Stephanie Konarski
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Kyoko Nagao
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Carrie Wall
Lily M. Wang

Term to 2025

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Jennifer L. Cooper
Whitney L. Coyle
Margot Criscitiello
Kristy L. Hansen
Ana M. Jaramillo
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Jennifer L. Miksis-Olds
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Jill C. Thorson
Michelle C. Vigeant
Kelly L. Whiteford

Term to 2024

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Marcia J. Isakson
Jennifer Lentz
Tracianne B. Neilsen
Z. Ellen Peng
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Christina Zhou

Ex officio:

Tyrone M. Porter, Vice President-Elect
Brijonnay Madrigal, Student Council representative

Student Council

Brijonnay Madrigal, Chair to 2025
Term to Fall 2025
John A. Case, Physical Acoustics
May Pik Yu Chan, Musical Acoustics
Raymond P. Plasse, Signal Processing in Acoustics
Term to Spring 2025
Marissa L. Garcia, Animal Bioacoustics
Chirag Gokani, Biomedical Acoustics
Natalie Kukshel, Underwater Acoustics
Olivia Heui Young Park, Architectural Acoustics
Term to Fall 2024
Ian Bacon, Structural Acoustics and Vibration
Ann Holmes, Psychological & Physiological Acoustics
Logan Mathews, Noise
Term to Spring 2024
Pratik Anirudha Ambekar, Engineering Acoustics
Pravinkumar R. Ghodake, Computational Acoustics
Satwik Dutta, Speech Communication
Miad Al Mursaline, Acoustical Oceanography
Term to Fall 2023
Samuel D. Bellows, Signal Processing in Acoustics
Colin Malloy, Musical Acoustics
Ferdousi S. Rawnaque, Physical Acoustics
Tracianne B. Neilsen, Executive Council liaison
Samuel D. Bellows, Regional and Student Chapters Committee liaison
Samuel D. Bellows, College of Fellows liaison
Brijonnay Madrigal, Women in Acoustics liaison

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Term to 2026
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Term to 2025
Qian-Jie Fu
Andrew A. Piacsek
Ex officio:
Daniel Farrell, Web Office Manager
Keeta Jones, Education and Outreach Coordinator
Elaine Moran, Director of Operations

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Kenneth W. Good, Jr.
K. Anthony Hoover
Dana S. Houglund
Ana M. Jaramillo

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 Elaine Moran
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 Andrew C.H. Morrison, Finance

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 Ana M. Jaramillo, Regional and Student Chapters
 Evelyn M. Hoglund, Regional & Student Chapters
 Derek P. Knight, Ad Hoc Practitioners and Industry
 Brijonnay Madrigal, Student Council
 Kimberly Riegel, Member Engagement
 Andrea P. Arguelles, Improve Racial Diversity and Inclusivity
 Elizabeth A. Strickland, Membership
 Edward J. Walsh, College of Fellows Steering
 Lily M. Wang, Rules and Governance

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 Vera A. Khokhlova, International Research and Education
 Christina Naify, Panel on Public Policy
 Z. Ellen Peng, Web Advisory
 Daniel A. Russell, Education in Acoustics
 Brigitte Schulte-Fortkamp, International Liaison
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 Pavel Zahorik, Meetings

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 Susan E. Fox, Executive Director, ex officio
 Stephen J. Lind, ASACOS representative
 Vladimir E. Ostashev, Publication Policy
 Julianna C. Simon, Archives and History
 Victor W. Sparrow, Ad Hoc Advocacy
 Ning Xiang, ASA Books

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

James F. Lynch, Editor-in-Chief
Term to 30 June 2026
 J. Braasch, Psychological and Physiological Acoustics
 C. A. Brown, Psychological and Physiological Acoustics
 C. C. Church, Biomedical Acoustics
 C. Doolan, Noise
 R. A. Dunlop, Animal Bioacoustics
 J. B. Fahline, Computational Acoustics
 P. Gerstoft, Signal Processing in Acoustics
 M. R. Haberman, Physical Acoustics
 L. M. Heller, Psychological and Physiological Acoustics
 K. V. Horoshenkov, Noise (Coordinating Editor)
 P. Hursky, Signal Processing in Acoustics
 P. Huthwaite, Structural Acoustics and Vibration
 N. J. Kessissoglou, Structural Acoustics and Vibration (Coordinating Editor)
 S.-K. Lau, Architectural Acoustics
 C. G. Le Prell, Psychological and Physiological Acoustics
 Y. Li, Physical Acoustics
 C. Lorenzi, Psychological and Physiological Acoustics
 K. Lucke, Animal Bioacoustics
 P. L. Marston, Book Reviews
 F. Martellotta, Architectural Acoustics
 S. Mattys, Speech Communication
 L. Maxit, Structural Acoustics and Vibration
 Z.-H. Michalopoulou, Signal Processing in Acoustics (Coordinating Editor)
 A. Morrison, Musical Acoustics (Coordinating Editor)
 V. E. Ostashev, Physical Acoustics
 A. G. Petculescu, Physical Acoustics
 A. Song, Acoustical Oceanography
 A. M. Thode, Underwater Acoustics
 B. V. Tucker, Speech Communication
 M. van der Heijden, Psychological and Physiological Acoustics
 M. D. Verweij, Physical Acoustics
 A. T. Wall, Noise
 P. S. Wilson, Education in Acoustics
 N. Xiang, Architectural Acoustics (Coordinating Editor)
 J. Yang, Underwater Acoustics
 B. Yegnanarayana, Speech Communication
 L. Zhang, Physical Acoustics (Coordinating Editor)
 Z. Zhang, Speech Communication (Coordinating Editor)
 D. Zhao, Engineering Acoustics
Term to 30 June 2025
 A. Agarwal, Noise
 F. Aletta, Noise
 P. Alku, Speech Communication
 H. M. Bharadwaj, Psychological and Physiological Acoustics
 B. Branstetter, Animal Bioacoustics
 V. Chatziioannou, Musical Acoustics
 J. Cheer, Noise
 G. B. Deane, Acoustical Oceanography
 J. de Rosny, Signal Processing in Acoustics
 M. Destrade, Physical Acoustics
 E. Fernandez-Grande, Signal Processing in Acoustics
 S. Fuchs, Speech Communication
 S. A. Fulop, Patent Reviews
 P. J. Gendron, Signal Processing in Acoustics
 O. A. Godin, Underwater Acoustics
 M. J. Goupell, Psychological and Physiological Acoustics
 S. Guan, Animal Bioacoustics
 M. F. Hamilton, Physical Acoustics
 X. Huang, Physical Acoustics
 R. Kirby, Computational Acoustics
 J. Kreiman, Speech Communication
 A. M. Lauer, Animal Bioacoustics
 T. G. Leighton, Physical Acoustics
 J. Li, Signal Processing in Acoustics
 Y.-T. Lin, Computational Acoustics

- A. Lofqvist, Speech Communication
- S. Marburg, Computational Acoustics
- J. D. Maynard, Physical Acoustics
- D. S. Michaud, Noise
- H. Niu, Signal Processing
- A. N. Popper, Animal Bioacoustics (Coordinating Editor)
- C. Reichmuth, Animal Bioacoustics
- S. P. Robinson, Underwater Acoustics
- K. G. Sabra, Signal Processing in Acoustics
- F. C. Sgard, Structural Acoustics and Vibration
- J. A. Sisneros, Animal Bioacoustics
- P. Souza, Psychological and Physiological Acoustics
- Y. Stylianou, Speech Communication
- B. E. Treeby, Biomedical Acoustics
- J. Tu, Biomedical Acoustics
- O. Umnova, Physical Acoustics
- S. Verhulst, Psychological and Physiological Acoustics
- M. J. White, Engineering Acoustics
- S. F. Wu, Physical Acoustics
- L. Xu, Psychological and Physiological Acoustics
- M. Yadav, Architectural Acoustics
- P. Zahorik, Psychological and Physiological Acoustics
- 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
- E. Buss, Psychological and Physiological Acoustics (Coordinating Editor)
- 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
- G. Haiat, Biomedical Acoustics (Coordinating Editor)
- 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
- S. Puria, Psychological and Physiological Acoustics
- D. B. Reeder, Underwater Acoustics
- 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
- S. K. Tang, Architectural Acoustics
- B. Tomasi, Underwater Acoustics
- K. J. Vigness-Raposa, Animal Bioacoustics
- J. F. Vignola, Engineering Acoustics
- N. Vlahopoulos, Computational Acoustics
- K. A. Wear, Biomedical Acoustics
- R. D. White, Engineering Acoustics
- D. K. Wilson, Computational Acoustics
- K. Wu, Computational Acoustics (Coordinating Editor)
- S. W. Yoon, Biomedical Acoustics
- X. Zhang, Biomedical Acoustics

Associate Editors of JASA Express Letters (JASA-EL)

Charles C. Church, Editor

- Term to 30 June 2026**
- D. R. Barclay, Acoustical Oceanography
- C. Doolan, Physical Acoustics
- Q.-J. Fu, Psychological and Physiological Acoustics
- Y. F. Holt, Speech Communication
- S. K. Lau, Noise
- M. B. Muhlestein, Physical Acoustics
- M. Sheplak, Engineering Acoustics
- I. A. Shport, Speech Communication
- Term to 30 June 2025**
- A. Altoè, Psychological and Physiological Acoustics
- S. Baumann-Pickering, Animal Bioacoustics
- C. Bergevin, Psychological and Physiological Acoustics
- V. Chatziioannou, Musical Acoustics
- L. Y. S. Chiu, Underwater Acoustics
- D. R. Dall'Osto, Underwater Acoustics
- M. A. Dzieciuch, Underwater Acoustics
- R. Marchiano, Physical Acoustics
- J. Mobley, Physical Acoustics
- G. Potty, Underwater Acoustics
- L. A. J. Reiss, Psychological and Physiological Acoustics
- R. M. Theodore, Speech Communication
- J. Tu, Biomedical Acoustics
- D. K. Wilson, Computational Acoustics
- W. Xu, Signal Processing in Acoustics
- Term to 30 June 2024**
- J. R. Buck, Signal Processing in Acoustics
- D. M. Campbell, Musical Acoustics
- L. Dong, Engineering Acoustics
- A. Lofqvist, Speech Communication
- A. 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.

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- Megan S. Ballard, Editor
- Term to 30 June 2026**
- E. Dieckman, Signal Processing
- K. M. Lee, Physical Acoustics
- D. Olson, Acoustical Oceanography
- L. M. Ronsse, Architectural Acoustics
- J. D. Sagers, Underwater Acoustics
- S. J. Schoen, Biomedical Acoustics
- A. Wixom, Computational Acoustics
- Term to 30 June 2025**
- C. Jasinski, Education in Acoustics
- W.-S. Ohm, Engineering Acoustics
- M. Shepherd, Structural Acoustics and Vibration
- Term to 30 June 2024**
- M. G. Blevins, Computational Acoustics
- W. L. Coyle, Musical Acoustics
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- C. J. Fackler, Noise
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- N. Jakovljević, Animal Bioacoustics
- M. B. Muhlestein, Physical Acoustics
- M. E. L. Renwick, Speech Communication
- K. L. Whiteford, Psychological and Physiological Acoustics
- Term to TBD**
- K. L. Gee, Assistant Editor