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@acousticalsociety.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 AO TC 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 Kukshtel 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 Tolkova 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 Kloepper  
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-ju Lu

Spring 2023 (Chicago): The 184th Meeting of the ASA was held in Chicago from May 8 to T2. 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 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 induced 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 Hariat, 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 Mucheleisen for the Medals and Awards Committee, and Vladimir Ostahev 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 Braasc, “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 Mucheleisen.

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, D. Keith Wilson, 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 cosponsored 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 Pannier-Vilá 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 Linn (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 Tuft.

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 Braasc 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, ACASOS; Aaron Vaughn, Web Committee, and Ferdousi RanaWatne, 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), Alexandre 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, Alexandre 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 “Acoustofluiddics” (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, Rashad Adesbi), “Infrasonar” (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 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” (Crystian Pantea, Akira Nagakubo), “Application 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 Gallian gave a wonderful keynote lecture titled “Clinical research in acoustics: Reflections on a journey from bench to bedside and back again.” Bertrand Delguette 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 “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 exciting 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 Barbara 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
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 Andy Plasse who is our incoming Student Representative.

We began the spring 2023 meeting in Chicago with a two-part session about “Acoustical Imaging, Reconstruction, and Localization.” Yangfan Liu and Efren 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 Scatters,” 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 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 serve to help us 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, Haqi Qiang Niu, Julian de Rosny, Paul J. Gendron, and Efren 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 Harne. 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 event 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. Masapolo 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. Masapolo, P. Bottalico, K. Berksen 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 tented for first were respectively Abby Thomas “Perception of Talker Height in Children’s Productions of Sustained /a/” and Thomas Sostarcik “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: Haley Todd (George Mason University) with a project entitled: “The Acoustics of Autistic and Non-Autistic Actors in Autistic Roles: An Experimental Study” and Nico Tomassi (Boston University) with a project entitled: “Effects of Autonomic Arousal and Cognitive Load on Sensorimotor Adaptation of Speech.” Ayelet M. Kershchenbaum 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 Sub-Committee, 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, Niks Jakovlevic, Chang Liu, Xin Luo, Kimberly M. Meigh, Linda Polka, Vishakha Rawool, Katharina Schumann, Rajka Smiljanic Jill C. Thorson, Mark VanDam, Marcin Wrobleski, Yan H. Yu, Christina Zhao; Term to 2024: M. Bause-Berk, K. H. Berksen, A. R. Bradlow, M. E. Cychosz, C. G. Cloppe, 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); Frederica 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. Bae-Berks, 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. Lofqvist, D. D. O’Shaughnessy, R. M. Theodore, T. Toda, M. Zanartu, M. Renwick, and N. Jakovlević.

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 sub-

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.

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 Badiey 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 Kukshetl.

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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Gopu R. Potty
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Raymond P. Plasce, member of Student Council from fall 2023 to fall 2025
Natalia A. Sidorovskaia, member of ASACOS

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Structural Acoustics and Vibration

Christina Naify, Chair to 2024

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Brittany N. Jackel
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- D. Benjamin Reeder  
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- Martin Siderius  
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- Kathleen E. Wage  
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Preston S. Wilson, member of Medals and Awards Committee
Natalie Kukshtel, member of Student Council
Jason E. Summers, member of ASACOS

Administrative Committees

Acoustical Society Foundation Board

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Term to 2026
Fredericka Bell-Berti
Ronald R. Freiheit
John A. Hildebrand
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Term to 2026
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Term to 2024
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Term to 2025
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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 2025
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May 2023–May 2024
Term to 2026
Jennifer L. Miksis-Olds, Vice Chair
May 2023–May 2024
Term to 2024
Kelly J. Benoit-Bird, Member
May 2023–May 2024
Ex officio:
Judy R. Dubno, Treasurer
James H. Miller, Chair, Acoustical Society Foundation Board

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Term to 2026
To be appointed
Term to 2025
Quan-Jie Fu
Ruth Y. Litovsky
Term to 2024
David R. Dowling
Scott D. Sommerfeldt
Stephen C. Thompson
Ex officio:
Samuel D. Bellows, Student Council representative
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Susan E. Fox, Executive Director
Ronald R. Freiheit, past Chair
K. Anthony Hoover, past Chair
James E. Phillips, past Chair
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Education in Acoustics

Note: Changes to the structure of the Education in Acoustics Committee are under development.
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Term to 2026
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Murray S. Korman
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Ramesh K. Muralimanohar
Miad Al Mursaline
Tracianne B. Neilsen
Noah J. Parker
Tyrone M. Porter
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Michael Rollins
Richard J. Ruhalu
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Jeremie Voix
Cameron Vongsawad
Kathleen E. Wage
Ronald P. Williams
Matthew Zeh
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Hassan Azad
David A. Brown
John R. Buck
F. M. del Solar Dorrego
Eric A. Dieckman
Jack Dostal
David R. Dowling
Philip Faraci
Mahdi Farahkia
Pravinkumar Ghodake
Mark F. Hamilton
John H. L. Hansen
Scott H. Hawley
Christopher M. Jasinski
Matthew Kamrath
Martin Lawless
Adrian K. C. Lee
Daniel O. Ludwigsen
Subha Maruvada
Karla Mercado-Shekhar
Bryan B. Monson
Andrew C. H. Morrison
William J. Murphy
Peggy B. Nelson
Jenna Osborn
Andrew A. Piacsek
Gordon P. Ramsey
Dawn R. Schuette
Juliana C. Simon
Scott D. Sommerfeldt
Stephen C. Thompson
Lucky Tsaih
Benjamin V. Tucker
Rand S. Worland

Term to 2024
Fredericka Bell-Berti
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Robert D. Celmer
E. Carr Everbach
Kent L. Gee
Laura Kloepper
Jason L. Raymond
Lauren M. Ronse
Victor W. Sparrow
Timothy A. Stiles
Adam Svec
Preston S. Wilson
Ex officio:
Keeta Jones, Education and Outreach Coordinator

Ethics and Grievances
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Term to 2026
Christine H. Shadle
Term to 2025
Michelle E. Swearingen
Term to 2024
Joseph R. Gladden

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Term to 2026
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Jody Kreiman
Jennifer L. Miksis-Olds
Term to 2025
Michelle C. Vigeant
Term to 2024
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Tyrone M. Porter
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Maureen L. Stone, Chair, Investments Committee
James H. Miller, Chair, Acoustical Society Foundation Fund

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Term to 2026
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Laura Kloepper
Adrian K. C. Lee
Scott D. Pfeiffer
Eric L. Reuter
Kimberly Riegel
Daniel A. Russell
Marisha L. Speights-Atkins
Adam Svec
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Brijonnay Madrigal
Kirby Parnell
Michael Smith
Ethan Wagner
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Noah D. Jenkins
Alexandra M. Padilla
Jessica Sullivan
Lily M. Wang
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Stan E. Dosso, President
International Liaison

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Term to 2026
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Gabriela Blanco
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F. M. del Solar Dorrego
Veerababu Dharanalakota
Bryce Lemert
Joel B. Lonzaga
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Rolf Mueller
Gopu R. Potty
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Nirmal Srinivasan
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Klaus Genuit
Juan Tu
Likun Zhang
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Stephen J. Lind, Standards Director

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Term to 2026
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Eleanor Martin
Term to 2025
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Lukasz J. Pieczonka
Lucky Tsaih
Term to 2024
Ernesto Accolti
Karim G. Sabra
Oleg A. Sapochnikov

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David Copeland
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Scott D. Pfeiffer
Term to 2024
Bennett M. Brooks
William M. Hartmann
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Susan Fox, Executive Director
Keeta Jones, Education/Outreach Coordinator

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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

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Term to 2025
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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. Muehlisen, Computational Acoustics
Zhaoxian Zhang, Speech Communication
Terms to 2024
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Laurel Carney, Psychological and Physiological Acoustics
Patricia Davies, Noise
Aaron M. Thode, Animal Bioacoustics
Stephen C. Thompson, Engineering Acoustics

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Term to 2026
Veerle Keppens
Michael Vorländer
Term to 2025
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Trevor W. Jerome
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Susan E. Fox, Executive Director
Elaine Moran, Director of Operations

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Term to 2026
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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. Hoglund
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

https://doi.org/10.1121/10.0020860
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

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Eric L. Reuter, Chair to 2026
Term to 2026
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Term to 2025
James H. Miller
Brigitte Schulte-Fortkamp
Term to 2024
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Cynthia G. Clopper
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Susan E. Fox, Executive Director
Stephen J. Lind, Standards Director
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Term to 2026
Andrew C. H. Morrison
Term to 2025
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Patricia Davies
Term to 2024
John A. Hildebrand
Veerle M. Keppens

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Term to 2026
Colby W. Cushing
Geoffrey F. Edelmann
Christopher C. Heffner
Matthew Kamrath
Joel B. Lonzaga
Brandon Patterson
Ram Shekar
Randall P. Williams
Term to 2025
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T. Douglas Mast
Jenna Osborn
Molly Smallcomb
David S. Woolworth

Publication Policy

Vladimir E. Ostashev, Chair to 2024
Term to 2026
Siu-Kit Lau
Amanda M. Lauer
Jian Yu Lu
Andi G. Petculessu
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

Regional and Student Chapters

Evelyn M. Hoglund, Cochair to 2024
Ana M. Jaramillo, Cochair to 2026
Colby W. Cushing/Mark F. Hamilton, Austin Student Chapter
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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. Selmer, 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. Hoglund, Ohio State Univ. Student Chapter
Alicia 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
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Mike J. Bifignani, St. Louis
Jason Duty, San Francisco
Ana M. Jaramillo, Spanish Speaking Acousticians Regional Chapter
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

Ex officio:
Samuel D. Bellows, Student Council representative

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PVR = Primary Voting Representative/AVR = Alternate Voting Representative

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Nancy Blair-DeLeon, Standards Manager, ex officio

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Robert D. Hellweg, ASA AVR, ex officio

S2 Representation

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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

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Derrick P. Knight, Vice Chair
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Stephen J. Lind, ASA AVR, ex officio

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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
TC108 Mechanical vibration, shock and condition monitoring, Donald Peterson, 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, Logan Mullinix, Chair
TC 108/SCS5 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

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, 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 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

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Dorian S. Houser, Animal Bioacoustics
Nicholas Sylvestre-Williams, Architectural Acoustics
Wayne E. Kreider, Biomedical Acoustics
Laura C. Brill, Computational Acoustics
Christopher J. Struck, Engineering Acoustics
Jonas Braasch, Musical Acoustics
David S. Woolworth, Noise
Gregory W. Lyons, Physical Acoustics
Eric Hoover, Psychological & Physiological Acoustics
Natalia A. Sidorovskaia, Signal Processing in Acoustics
Cynthia Yoonjeong Lee, Speech Communication
Robert M. Koch, Structural Acoustics and Vibration
Kevin M. Lee, Underwater Acoustics

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Ann R. Bradlow, Vice President

Past Chair of ASACOS ex officio

Christopher J. Struck
Associate Editor, Standards News—JASA, ex officio Nancy Blair-DeLeon

Individual Experts

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<td>Tomasz Letowski</td>
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<td>Chad Walber</td>
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<td>Anthony Nash</td>
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<td>Richard J. Peppin</td>
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</tbody>
</table>
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 Kukhtot, 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  
Ferdouzi S. Rawnaque, Physical Acoustics  
Tracianne B. Neilson, 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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Qian-Jie Fu  
Andrew A. Piasek

**Ex officio:**  
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Keeta Jones, Education and Outreach Coordinator  
Elaine Moran, Director of Operations

Women in Acoustics

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**Term to 2026**

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Megan S. Ballard  
Harriet Lea Banks  
Hong Chen  
Jessica S. Clements  
Stecia-Marie P. Fletcher  
Amanda D. Hanford  
Brittany N. Jackel  
Laura Kloeppe  
Stephanie Konarski  
Amanda M. Lauer  
Harriet E. Lea-Banks  
Kyoko Naga  
Meaghan A. O’Reilly  
Alexandra M. Pfiffner  
Kathleen M. Stafford  
Michelle E. Swearingen  
Carrie Wall  
Lily M. Wang

**Term to 2025**

Feruza Amirkulova  
Jennifer L. Cooper  
Whitney L. Coyle  
Margot Criscitiello  
Kristy L. Hansen  
Ana M. Jaramillo  
Bonnie K. Lau  
Jennifer L. Miksis-Olds  
Christina Naify  
Bonnie Schnitta  
Julianna C. Simon  
Sarah Taubitz  
Jill C. Thorson  
Michelle C. Vigeant  
Kelly L. Whiteford

**Term to 2024**

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Marcia J. Isakson  
Jennifer Lentz  
Tracianne B. Neilson  
Z. Ellen Peng  
Lauren M. Ronse  
Elin Roverud  
Erika E. Ryherd  
Christina Zhou

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

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Maureen L. Stone  
Edward J. Walsh  
William A. Yost

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Jennifer L. Cooper  
Matthew Golden  
Kenneth W. Good, Jr.  
K. Anthony Hoover  
Dana S. Hougland  
Ana M. Jaramillo
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Susan E. Fox, Executive Director, ex officio
Maureen L. Stone, Investments
James H. Miller, Acoustical Society Foundation
Andrew C.H. Morrison, Finance

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Cynthia F. Moss, Vice Chair
Tyrone M. Porter, Vice President-Elect, ex officio
Susan E. Fox, Executive Director, ex officio
Anna C. Diedesch, Women in Acoustics
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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Barbara G. Shinn Cunningham, President-Elect, ex officio
Ann R. Bradlow, Vice President, ex officio
Susan E. Fox, Executive Director, ex officio
Vera A. Khokhlova, International Research and Education
Christina Naify, Panel on Public Policy
Z. Ellis Peng, Web Advisory
Daniel A. Russell, Education in Acoustics
Brigitte Schulte-Fortkamp, International Liaison
Kerri D. Seger, Public Relations
Pavel Zahorik, Meetings

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James F. Lynch, Editor-in-Chief, ex officio
Susan E. Fox, Executive Director, ex officio
Stephen J. Lind, ASACOS representative
Vladimir E. Ostashev, Publication Policy
Juliana 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. Fahnline, 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. Hursky, 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. Martelotta, 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. Peteculescu, 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. Brandt, 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
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