

# Welcome to ASA 190<sup>th</sup>!

- New attendees: Introduce yourselves (name, institution, advisor)!
- Sign in to the meeting!
  - See QR code or
  - Physical sign-in sheet
- BA List Serv
  - Email [ASA\\_BATC-subscribe@googlegroups.com](mailto:ASA_BATC-subscribe@googlegroups.com)
  - Visit: [http://groups.google.com/group/ASA\\_BATC](http://groups.google.com/group/ASA_BATC)
  - Or email me: [jcs516@psu.edu](mailto:jcs516@psu.edu)

Sign in QR code



# Spring 2026: Philadelphia Meeting – May 11-15, 2026

- Advanced Ultrasound Vascular Imaging and Vessel Characterization, John Cormack, Kang Kim, Zhiyu Sheng
- General Topics in Biomedical Acoustics: Advanced Methods, Benjamin Wood
- Biomedical Methods: Messy, Marvelous, and Meh, Kevin Haworth, Virginia Papadopoulou, Tim Hall
- Ultrasound Beamforming and Its Applications, Jian-yu Lu
- Vortex Ultrasound, Chengzhi Shi, Likun Zhang
- General Topics in Biomedical Acoustics: Quantitative Ultrasound and Doppler, Libertario Demi
- Biomedical Acoustics Best Student Paper Award Poster Session, Eric Rokni, Virginia Papadopoulou
- Shocking Considerations in Therapeutic Ultrasound, Ken Bader, Tanya Khokhlova, Jonathan Sukovich
- Wearable Ultrasound, Katherine Brown
- General Topics in Biomedical Acoustics: Therapy, Microbubbles, and Beyond, Yun Jing

# Congratulations Award Winners!



**Anthony Atchley**

Gold Medal “For contributions to the fields of thermoacoustics and cavitation, and service to the Society.”



**Oleg Sapozhnikov**

Silver Medal in Physical Acoustics and Biomedical Acoustics “For contributions to nonlinear acoustics and its applications to medical ultrasound”

# Congratulations New Fellows!



Tatiana D. Khokhlova

For pioneering shock-based boiling  
histotripsy



Kang Kim

For contributions to elasticity imaging,  
ultrasound thermal strain imaging, and  
photoacoustic imaging

# Thank you, poster judges!

- James Kwan
- Jonathan Mamou
- Tim Hall
- Jingfei Liu
- Ken Bader
- Julianna Simon
- Jacob Elliott
- Michael Gray
- Caroline de Gracia Lux
- Benjamin Wood
- Virginie Papadopoulou
- Doug Mast
- Kevin Haworth
- Larry Crum
- Tao Sun
- Jeff Ketterling
- Isabel Newsome
- Aarushi Bhargava



# Student Poster Competition Winners

**3<sup>rd</sup> place (\$200): Mehmet Yapar**

**2<sup>nd</sup> place (\$300): Sergio Maldonado-Ortiz**

**1<sup>st</sup> place (\$500): Sophie Haddad**

**Audience Choice (\$100): Abigail Collins**



# Student Council Rep

TC: Biomedical Acoustics



**Cassidy Christie**  
University of Texas at Austin

Term: Spring 2025 - Spring 2026

# \*Incoming\* Student Council Rep

TC: Biomedical Acoustics



**Nicholas Rivet**  
Western New England University

Term: Spring 2026 - Fall 2027

# Student Council

Have questions? Ask us!  
Come visit us at the Student Booth!

Check out our Linktree!





# Student Events

**TOTAL STUDENTS PRE-REGISTERED: 384**

Monday (5/11)

**First-Time Attendee/Student Orientation**

**Student Meet and Greet**

**Student Informal Outing**

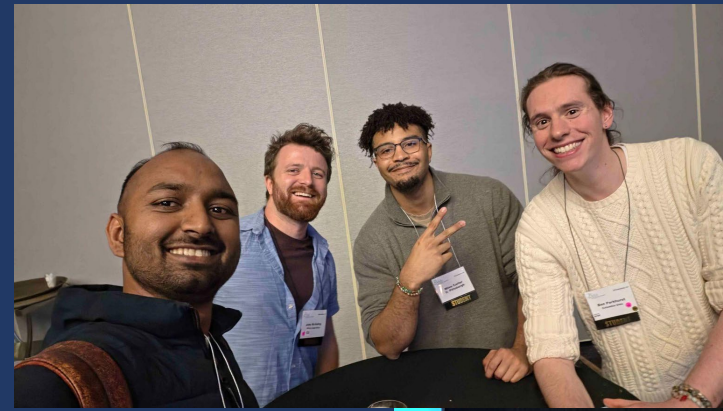
Tuesday (5/12)

**Student Reception**

6:00 – 8:00 PM

Salon G

**100+ attendees!**



# ASA STUDENTS Crossword Winners!



Prajna Jandial, Emily Wong



Heather Moon



# Students & Members Join “Students Meet Members for Lunch” (SMMfL)!



Student Outreach for Networking  
& Integrating Colleagues

# SONIC



Student Outreach for  
Networking and Integrating Colleagues

Make connections as a Newbie!  
Help fellow students as a Guide!

Info / sign-up:



Discord



asastudents.org



asastudentcouncil@gmail.com



Acoustical Society of America Students



@students\_ASA



@ASAStudents



asastudents.org



Check out our website!

# CONTACT US



asastudentcouncil@gmail.com



Acoustical Society of America Students



@students\_ASA



@ASAStudents



@asastudents



*Thank you  
Cassidy* ♡

⇒ for serving as the  
**Biomedical Acoustics  
Student Representative!**



*Your dedication,  
leadership, and  
contributions  
make a difference!*




# ASA Member Engagement Committee – Programming in Philly

<https://memberengagementasa.org>

- Introduction to ASA Administrative Committees
  - During the coffee breaks, representatives from ASA Admin committees will be at a booth to chat about volunteer opportunities – come stop by!
- Early Career Travel Support Awards
  - 37 applicants for the Philadelphia Meeting, 30 awarded
  - 30, \$500 awards are available for the upcoming Baltimore meeting (deadline in October 2026)

- JASA Impact Factor 2.3 for 2024, up from 2023
- Open Calls for Papers for Joint *JASA* and *JASA-EL* Special Issues
  - Mobile Underwater Sensor Networks and Acoustics: Advances and Practices (Deadline: 1 May 2026)
  - Distributed Acoustic Sensing: Methods, Systems, and Acoustics Applications (Deadline: 30 April 2027)
  - Acoustic and Ultrasonic Characterization of Materials for Engineering Applications (28 May 2027)
- Open calls available here: [pubs.aip.org/asa/jasa/pages/specialissues](https://pubs.aip.org/asa/jasa/pages/specialissues)
- **Please let Jim Lynch know if you have any suggestions for future Special Issues!**
  - We need more Special Issues in the pipeline!

# Special Issues - Very, Very Popular!!!

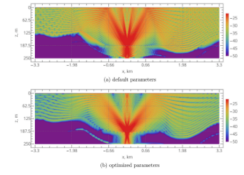


**The Journal of the Acoustical Society of America**

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ABOUT ▾
NEWS ▾

## Verification and Validation of Source and Propagation Models for Underwater Sound

This joint Special Issue of *The Journal of the Acoustical Society of America* and *JASA Express Letters* focuses on source and propagation modelling from sources of underwater ambient sound and sound sources with a potential to affect aquatic life, and on corresponding acoustical metrics. Combining information on the sound field with information on a dose-effect relationship enables estimation of possible effects. The Special Issue presents a collection of eighteen articles on: verification of source and propagation models; validation of source and propagation models; and bioacoustical metrics for assessment of environmental risk. This Special Issue demonstrates the need for clear metrics and verification and validation protocols.



Guest Editors: Kathleen J. Vigness-Raposa (Liaison Guest Editor), Klaus Lucke (Liaison Guest Editor), Michael A. Ainslie, Michele B. Halvorsen, Christ A. F. de Jong, Stanley J. Labak, and Martin Siderius

Image Credit: Figure 7 from P. S. Petrov, A. G. Tyshchenko, and A. O. MacGillivray. "Three-dimensional modelling of underwater noise produced by a bulk carrier vessel and estimation of its environmental impact." *J. Acoust. Soc. Am.* 155: 3702–3714 (2024). <https://doi.org/10.1121/10.0026238>

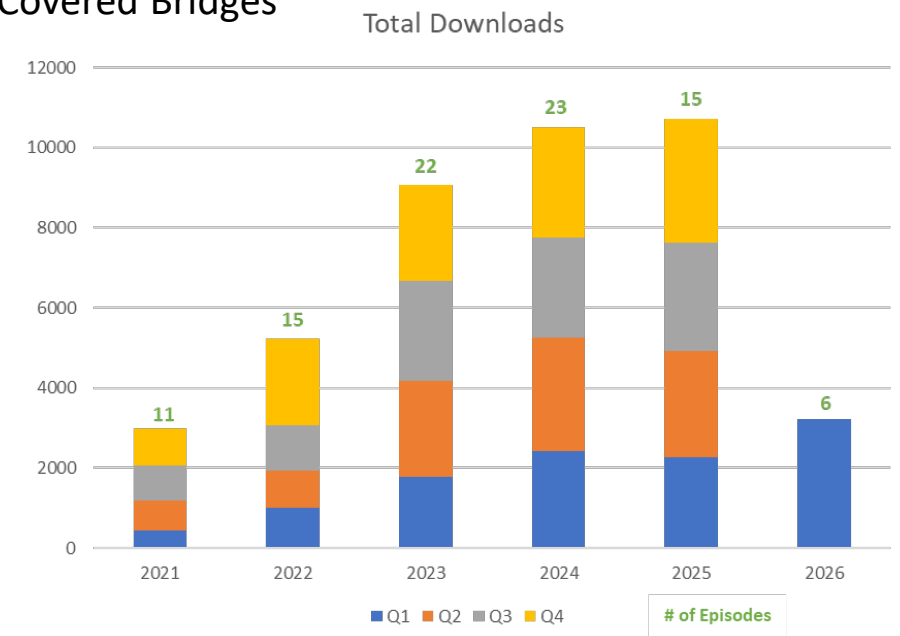
To view the papers from JASA, please [visit this page](#). To view the papers from JASA-EL, please [visit this webpage](#). To view the full collection, please [visit this page](#).

EDITORIAL  
[Introduction to the special issue on verification and validation of source and propagation models for underwater sound](#) ©  
 Kathleen J. Vigness-Raposa; Klaus Lucke; Michael A. Ainslie; Michele B. Halvorsen; Christ A. F. de Jong; Stanley J. Labak; Martin Siderius  
<https://doi.org/10.1121/10.0035845>

SPECIAL ISSUE ON VERIFICATION AND VALIDATION OF SOURCE AND PROPAGATION MODELS FOR UNDERWATER SOUND  
[Effects of sediment properties, distance from source, and frequency weighting on sound pressure kurtosis for marine airgun signatures](#) ©  
 H. Ozkan Sertlek; Yaxi Peng; Michael A. Ainslie; Alexander M. von Benda-Beckmann; Michele B. Halvorsen; Matthew W. Koesler; Elizabeth T. Küsel; Alexander O. MacGillivray; Apostolos Tsouvalas  
<https://doi.org/10.1121/10.0034709>

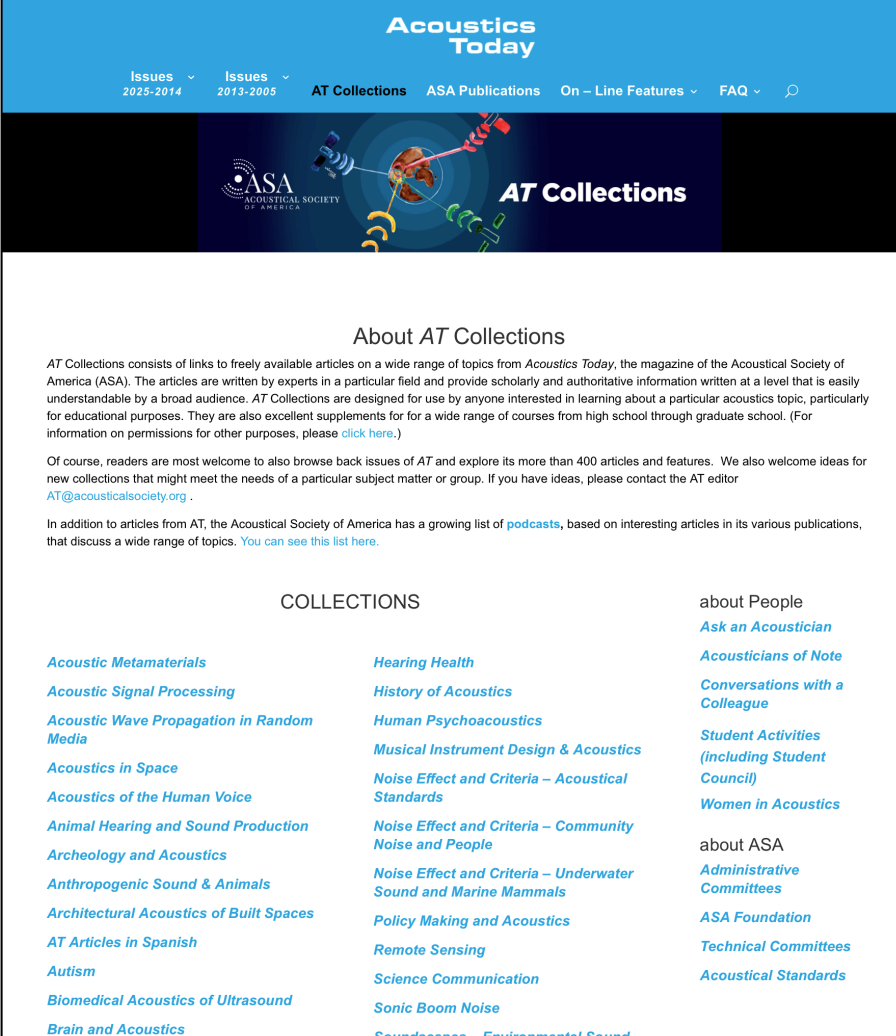
# Across Acoustics

- Follow us at <https://acrossacoustics.buzzsprout.com> or through your favorite podcast app
- Now has 92 episodes, highlighting popular articles from each of the publications as well as special topics
- Most recent episodes:
  - The Eras of Taylor Swifts Changing Dialect
  - The Unique Acoustics of Traditional Chinese Interlocked Timber-Arched Covered Bridges
  - Sonic Deception in World War II
  - A New Way to Measure Bat Hearing
  - POMA Student Paper Competition: New Orleans
  - Wave Phenomena in Vibroacoustic Systems
  - Slurping, Snuffling, and Crunching: Assessing Misophonia Symptoms
  - Should AI tell you how to talk?
  - Assessing Sediment Heterogeneity on Continental Shelves and Slopes
  - Acoustic Thermometry to Assess Climate Change
- Over 42,000 downloads



# Pubs News (Cont'd)

- *POMA* Student Paper Competition
  - Society-wide competition – growing in popularity!
  - **Philadelphia competition deadline: 11:59 pm Eastern, 14 June 2026**
- *AT* Collections
  - Ongoing project providing *AT* content in topical collections
- *JASA* Reflections
  - Steady [feature in \*JASA\*](#), articles freely available for up to one year after publication
- Scilights and Press Releases
  - AIP Media Team continues to consider *JASA* and *JASA-EL* articles flagged by editors for potential Scilights (science highlights) and press releases
    - *JASA* articles with [press releases](#) and [Scilights](#)
    - *JASA-EL* articles with [press releases](#) and [Scilights](#)



The screenshot shows the 'Acoustics Today' website. The header is blue with the logo and navigation links: 'Issues 2025-2014', 'Issues 2013-2005', 'AT Collections', 'ASA Publications', 'On - Line Features', and 'FAQ'. Below the header is a dark blue banner with the ASA logo and 'AT Collections' text. The main content area is white and features the heading 'About AT Collections' followed by a paragraph explaining the service. Below this is a section titled 'COLLECTIONS' with a grid of links to various topics. On the right side, there are additional links for 'about People' and 'about ASA'.

**Acoustics Today**

Issues 2025-2014 | Issues 2013-2005 | AT Collections | ASA Publications | On - Line Features | FAQ

**AT Collections**

### About AT Collections

AT Collections consists of links to freely available articles on a wide range of topics from *Acoustics Today*, the magazine of the Acoustical Society of America (ASA). The articles are written by experts in a particular field and provide scholarly and authoritative information written at a level that is easily understandable by a broad audience. AT Collections are designed for use by anyone interested in learning about a particular acoustics topic, particularly for educational purposes. They are also excellent supplements for a wide range of courses from high school through graduate school. (For information on permissions for other purposes, please [click here](#).)

Of course, readers are most welcome to also browse back issues of AT and explore its more than 400 articles and features. We also welcome ideas for new collections that might meet the needs of a particular subject matter or group. If you have ideas, please contact the AT editor [AT@acoustical.org](mailto:AT@acoustical.org).

In addition to articles from AT, the Acoustical Society of America has a growing list of **podcasts**, based on interesting articles in its various publications, that discuss a wide range of topics. [You can see this list here](#).

#### COLLECTIONS

<a href="#">Acoustic Metamaterials</a>	<a href="#">Hearing Health</a>	<a href="#">about People</a>
<a href="#">Acoustic Signal Processing</a>	<a href="#">History of Acoustics</a>	<a href="#">Ask an Acoustician</a>
<a href="#">Acoustic Wave Propagation in Random Media</a>	<a href="#">Human Psychoacoustics</a>	<a href="#">Acousticians of Note</a>
<a href="#">Acoustics in Space</a>	<a href="#">Musical Instrument Design &amp; Acoustics</a>	<a href="#">Conversations with a Colleague</a>
<a href="#">Acoustics of the Human Voice</a>	<a href="#">Noise Effect and Criteria – Acoustical Standards</a>	<a href="#">Student Activities (including Student Council)</a>
<a href="#">Animal Hearing and Sound Production</a>	<a href="#">Noise Effect and Criteria – Community Noise and People</a>	<a href="#">Women in Acoustics</a>
<a href="#">Archaeology and Acoustics</a>	<a href="#">Noise Effect and Criteria – Underwater Sound and Marine Mammals</a>	<a href="#">about ASA</a>
<a href="#">Anthropogenic Sound &amp; Animals</a>	<a href="#">Policy Making and Acoustics</a>	<a href="#">Administrative Committees</a>
<a href="#">Architectural Acoustics of Built Spaces</a>	<a href="#">Remote Sensing</a>	<a href="#">ASA Foundation</a>
<a href="#">AT Articles in Spanish</a>	<a href="#">Science Communication</a>	<a href="#">Technical Committees</a>
<a href="#">Autism</a>	<a href="#">Sonic Boom Noise</a>	<a href="#">Acoustical Standards</a>
<a href="#">Biomedical Acoustics of Ultrasound</a>	<a href="#">Soundscapes – Environmental Sound</a>	
<a href="#">Brain and Acoustics</a>		

[acousticstoday.org/acoustics-today-collections](https://acousticstoday.org/acoustics-today-collections)

# ASA Publications: New Alt-Text Requirement

- To support accessibility, authors will be required to provide alt text descriptions for visual content included in their manuscripts on initial submission (*POMA*) or revision (all journals).
  - Visual Content includes figures, tables/algorithms, equations, video/audio, and hyperlinks. See AIPP's guidelines for authors here:  
<https://publishing.aip.org/resources/researchers/author-instructions/#alttext>
- If an article is accepted, the alt-text will be copyedited and reviewed by authors for *JASA* and *JASA-EL* or reviewed by AIPP's production vendors for *POMA* before publication.
- Please note that editors or reviewers are not expected to provide feedback on alt text.
- This requirement will be implemented soon with the exact date TBD.

# ASA Publications: AI Policy Update



- ASA Publications will be adopting AIPP's updated AI policy ([publishing.aip.org/resources/researchers/policies-and-ethics/ai-policy/](https://publishing.aip.org/resources/researchers/policies-and-ethics/ai-policy/))
  - We will send editors the revised Information for Contributors when ready.
- For Authors:
  - No disclosure is needed for use of AI tools to prepare manuscripts or edit original content created by authors; AI tools cannot be co-authors
  - Detailed disclosure of AI use is required in the Methods section of papers when it has the potential to affect the findings or conclusions of an article.
    - To increase transparency and reproducibility, the disclosure must include the exact tool (name, version, manufacturer), what the tool was used for, and the reason for using it.
  - Authors remain responsible for the integrity, accuracy, and originality of their submitted work.
- For Editors and Reviewers:
  - Peer reviewers and editors may not upload any part of a submitted manuscript or the peer review report into an AI tool that is not provided by or authorized by the publisher, including local LLMs (Large Language Models).

# ASA Publications: AI Policy Update (Cont)

- What to do if you or reviewers suspect AI use
  - Continue to judge a paper on its technical merits and the journal's selection criteria
  - If a paper seems to be missing or lacking in on the use of AI that has the potential to affect the findings or conclusions, then this should be requested in revisions.
- Publication ethics –hallucinated/fabricated references:
  - From the updated AI policy: “Any use of AI-generated references or citations that do not exist in real sources is a breach of publication ethics.”
  - Please keep an eye out for potential red flags of fabricated references when browsing the reference list of a paper:
    - Titles of references are not relevant to the topic of the paper
    - Formatting of references are garbled/inconsistent
    - Anything unusual about the dates of references (eg, if all from the 70s)
    - Parts of the reference (eg, author list) do not match with the actual published reference
  - If you encounter any of the above, please look at the references more closely.
  - Papers may be rejected for having references that do not seem to exist in the literature
- If you have any concerns at all about any breaches in publication ethics, please be sure to loop in the EIC and (as applicable) *JASA-EL* Editor or *POMA* Editor.

# ASA Centennial Celebration Committee – Stan Dosso, Chair

- Request for TC's to start thinking creatively about events for centennial (Spring 2029) e.g. special sessions recounting their historical development and/or major scientific advances, as well as celebrating the state of the art and looking forward to the future-- possibly including featured speakers, panel discussions, lightning rounds, historical exhibitions/demonstrations, special recognitions, trivia/games, etc.
- ASA Committee on Archives and History: For the ASA's 75th Anniversary a substantial monograph "ASA at 75" (<https://asahistory.org/asa-at-75/>) was compiled with each TC contributing a chapter on their history.



# News from the Public Relations Committee

## Science Communication Awards

The 2026 SciComm Awards Call for Nominations will open soon! If you've created or seen an acoustics-related video, podcast, article, social media post, book, or other outreach effort, consider submitting a nomination. Past winners can be found at [acoustics.org/science-communication-awards/](https://acoustics.org/science-communication-awards/)

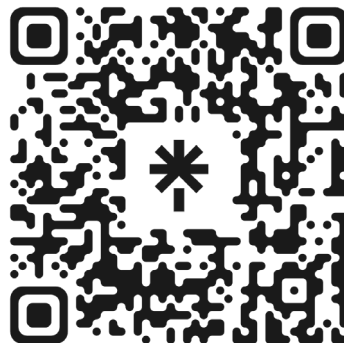
## Acoustics Lay Language Papers (ALLP)

ALLPs are short, non-peer-reviewed summaries (300-500 words) of presentations written for a general audience. They can provide a quick way to share research and increase visibility with media. Papers can be submitted before or after conferences. Learn more at [acoustics.org/lay-language-papers/](https://acoustics.org/lay-language-papers/)

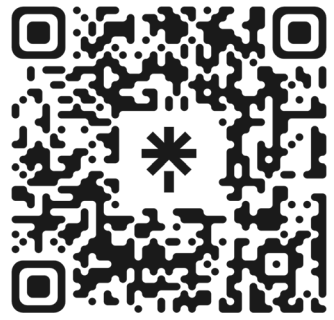
## Special Sessions in Philadelphia

The PR Committee is cosponsoring two special sessions in Philadelphia: *2pEA: The Philadelphia Acoustics Story* and *4pED: Sound Communication in Today's Mediascape*. We hope to see you there!

PR Committee Chair: Molly Smallcomb, [molly.smallcomb@gmail.com](mailto:molly.smallcomb@gmail.com)



# Get involved & Resources



## Media Liaisons

ASA routinely receives media inquiries seeking experts in acoustics, often requiring quick responses. Each TC is encouraged to provide buzzwords specific to their TC and maintain two media liaisons willing to respond to journalists or help connect them with appropriate experts. Contact your TC chair if interested.

## Press Room

AIP hosts a press room at each ASA meeting, typically on Tuesday, that is open to journalists and ASA attendees. We encourage attendees to stop by and observe! To avoid interrupting live recordings, please enter between talks whenever possible.

## Media Resources

Members looking for advice promoting acoustics research or outreach efforts are encouraged to contact Keeta Jones, [kjones@acousticalsociety.org](mailto:kjones@acousticalsociety.org), or Wendy Beatty, [wbeatty@aip.org](mailto:wbeatty@aip.org), for more resources. ASA's Social Media Toolkit is also available to help build engagement around meetings: <https://acoustics.org/asa-social-media/social-media-toolkit>

PR Committee Chair: Molly Smallcomb, [molly.smallcomb@gmail.com](mailto:molly.smallcomb@gmail.com)

# Finance Committee is establishing a new Operating Reserve Fund

- 3-5% of the operating reserve fund (ORF) will be available for new, big ideas annually that will benefit the whole TC and/or ASA community
- As we currently have \$10M in the ORF, \$300k will be available in 2026
- Requirements:
  - Not recurring – should be done in one year
  - Ideally has buy-in from whole TC
  - Proposals due Oct. 1
  - Finance committee decides and exec council ratifies
- Please send me ideas ASAP



## Fall 2026: Baltimore, MD: December 15-17, 2026

- The motion passed that BATC will not have any sessions at the Baltimore meeting. Any abstracts submitted that would usually be assigned to BATC will be distributed to other technical committees.
- I was told Monday that there will still be an option for people to submit to BATC – we either have to hold General Topics sessions or ask another TC (like Physical Acoustics) to take our abstracts
- The BATC chair is required to attend (or send a representative to attend) the M and F Tech Council Meetings
- Discussion that many TCs will likely have special session planning meetings virtually the week prior to the meeting. There may be a “big” TC meeting (or several) on Tu/Th evening of the conference to convey EC info/solicit feedback from the TCs

# Spring 2027, Brussels, Belgium June 21-25; joint with EAA/ABAV

- We have too many special sessions – anyone want to drop out? Aiming for 8 max
  - Need EAA cochairs for some sessions still
1. Super-Resolution Imaging and Ultrasound Contrast – Chengzhi Shi, Fabian Kiessling, Chu Ma
  2. Cardiac Ultrasound Localization Microscopy – Jeffrey Ketterling, Joan D’hooge
  3. Beyond bidimensional (2D) ultrasound imaging – Libertario Demi
  4. Advances in Elastography – Thomas J. Royston, Stefan Catheline
  5. Student Paper Competition – Virginia Papadopoulou and Eric Rokni
  6. Beyond Imaging: Ultrasound Contrast Agents for Drug Delivery, Immunotherapy, and Precision Medicine – Caroline de Gracia Lux, Nicola Ingram, Jacques Lux
  7. Shift Happens: Motion Measurement and Mitigation in Therapeutic Ultrasound: Michael Gray, Ken Bader, Tanya Khokhlova
  8. Combining in Process: The Material Side of Cavitation: From Blood to Bones, from Threshold to Fracture and Quantitative? Are You Sure? – Jonathan Mamou, Marie Muller, Pauline Muleki Seya, Michael Gray, Mitra Aliabouzar, Aarushi Bhargava

Fall 2027: Likely 3 days, Likely West Coast

- Sessions proposed and finalized at the Baltimore Meeting

# Any updates from BATC reps?

- Membership Committee: Bob McGough
- Medals and Awards: Vera Khokhlova
- ASACOS: Wayne Kreider
- Archives and History Committee: Juli Simon
- Research and Education: Ekaterina Ponomarchuk
- TPOM: John Cormack and James Kwan
- CIRDI: Eric Rokni
- College of Fellows: Seeking Volunteers!
- Media Liaisons: Kevin Haworth and Tyrone Porter
- Student Rep: Cassidy Christie



# 2026 Approved BATC Technical Initiatives

- Each TC receives \$5000/year for ongoing initiatives
- New/innovative initiatives - \$75,000 annual budget (shared across TCs)
- BATC voted to support 3 initiatives for 2026 (4<sup>th</sup> added) – all were approved
  - European Symposium on Ultrasound Contrast Imaging, Jan. 22-23: \$3000
  - Refreshments for the BATC Student Poster Competition in Philly: \$1500
  - Physical Acoustics Summer School (co-sponsored with PA), May 24-29: \$7500
  - Gordon Conference on In Vivo Ultrasound Imaging, Aug. 16-21: \$5000
- Organizers – please remember to provide a report to the TC chair after your event – these should be slides with pictures to share with the TC

— welcome to —

# Kang Kim

as the new  
**Biomedical Acoustics  
Technical Committee Chair!**



Sign in  
QR code



Thank you for your leadership  
and dedication to advancing  
biomedical acoustics!

