

# TCPA Sign In



# **Physical Acoustics Technical Committee Meeting**

190th Meeting of the Acoustical Society of America

Philadelphia, PA

**5/14/2026**

**Chair: Christopher Kube**

**kube@psu.edu**

# All links in the slides have a unified QR code

*This QR code will appear on many slides*

*Scan for any of the links*



***Password is “pa”***

[tcpaasa.org](http://tcpaasa.org)



# Agenda

- **Welcome**
- **Committee Reports**
- **Sign-in**
- **Info sharing, News**
- **Awards, New Fellows**
- **Philadelphia Meeting Special Sessions**
- **Future Meetings and Special Sessions**
- **New PATC Chair**



# Committee Reports



# Administrative Committee Representative Reports

- **Medals and Awards** (Yun Jing)
- **Standards** (Greg Lyons)
- **Membership** (Joseph Turner)
- **Student Council** (Makayle Kellison)
- **CIRDI** (Feruzza Amirkulova)





# Student Council Rep

TC: Physical Acoustics



Makayle Kellison  
Brigham Young University

Term: Fall 2025 – Spring 2027

# Student Council

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

Check out our Linktree!



# Student Events

TOTAL STUDENTS PRE-REGISTERED: 350

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!

200 attendees!

Student Gift!



# ASA STUDENTS Crossword Winners!



**Prajna Jandial, Emily Wong**



**Heather Moon**



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

- If you are interested in participating, check the SMMfL check box in the online pre-registration form.

# Students: Join SONIC!

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



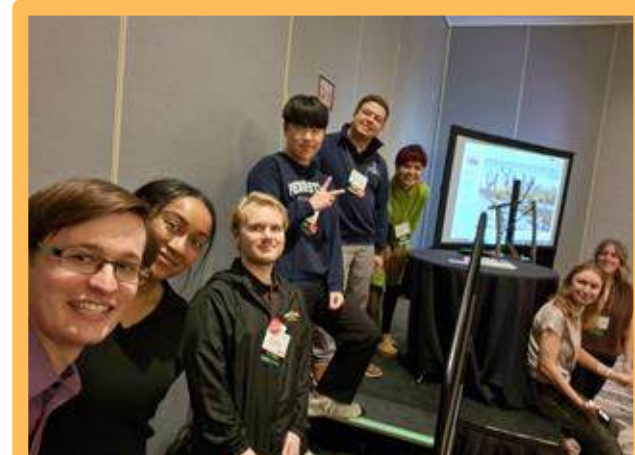
Acoustical Society of America Students



@students\_ASA



@ASAStudents



# New Student Introductions

**Sign-in Time!**



# TCPA Sign In



# News/Information



# News from the Public Relations Committee

## Science Communication Awards

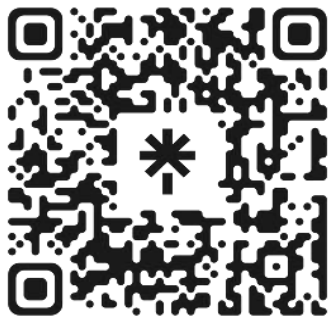
The 2026 SciComm Awards Call for Nominations will open soon! If you've created or seen an acoustics-related video, podcast, article, social media post, book, or other outreach effort, consider submitting a nomination. Past winners can be found at [acoustics.org/science-communication-awards/](https://acoustics.org/science-communication-awards/)

## 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)



CALL FOR PAPERS

**JASA**  
THE JOURNAL OF THE  
ACOUSTICAL SOCIETY OF AMERICA

**JASA** EXPRESS  
LETTERS

## SPECIAL ISSUE

# Acoustic and Ultrasonic Characterization of Materials for Engineering Applications

### TOPICS OF INTEREST INCLUDE (BUT ARE NOT LIMITED TO):

- Ultrasonic methods for microstructural characterization
- Nonlinear acoustics for detecting damage, defects, or early-stage material degradation
- Wave propagation in heterogeneous, anisotropic, or architected materials
- Acoustic techniques for evaluating additive-manufactured or advanced structural materials
- High-temperature, high-rate, or harsh-environment acoustic characterization
- Modeling and simulation of elastic wave-microstructure interactions
- Data-driven or physics-informed methods for interpreting acoustic signatures of materials
- Multiscale or multimodal approaches combining acoustics with complementary characterization tools

**SUBMISSION DEADLINE: 28 MAY 2027**

### GUEST EDITORS:

**Christina J. Naify\***

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**Micah Shepherd**

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# Awards and New Fellows



# New Fellows as of Spring 2026\*



**Kang Kim**

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



**Tatiana D. Khokhlova**

*For pioneering shock-based boiling histotripsy*



**Likun Zhang**

*For contributions to the understanding of acoustic radiation forces in complex wave fields and vortex beams*

\*with PA listed as primary or secondary area in ASA member directory OR present PATC member



# Gold Medal in Acoustics

Anthony A. Atchley



*For contributions to the fields of thermoacoustics and cavitation, and service to the Society.*



# Helmholtz-Rayleigh Interdisciplinary Silver Medal in Physical Acoustics and Biomedical Acoustics

Oleg Sapozhnikov

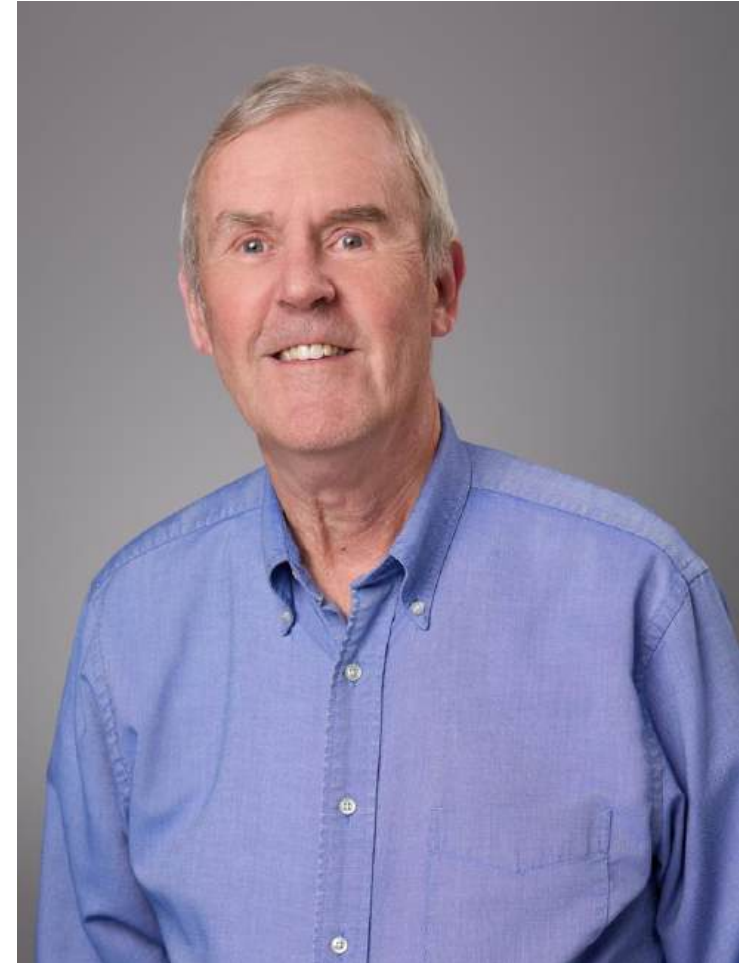


*For contributions to nonlinear acoustics  
and its applications to medical ultrasound.*

# Trent-Crede Medal



Andrew N. Norris



*For foundational contributions to the theory of acoustic and elastic metamaterials and to wave propagation in complex media and structures.*

# Rossing Prize in Acoustics Education

Daniel R. Russell



# Frederick V. Hunt Postdoctoral Research Fellowship in Acoustics



**Chirag Gokani**



# Philadelphia Special Sessions



# 190th Meeting - Philadelphia, PA, 11-15 May 2026

## SPECIAL SESSIONS (8)

- Acoustics at the Beamlines
  - *Raphael Hermann, Ralph Muehleisen, Christopher Kube*
- Atmospheric Turbulence Effects on Sound Propagation
  - *Alexandra Loubeau, Kent Gee*
- Celebration of Allan D. Pierce's Contributions to Acoustics
  - *Andrew Piacsek, T. Douglas Mast*
- Infrasound
  - *Philip Blom, David Green*
- Sensing Vector Acoustic Fields
  - *William C. K. Alberts, II, Gregory Lyons*
- Software for Infrasound Research and Applications
  - *Roger Waxler, Michelle Swearingen*
- Ultrasonic Characterization Across Scales and Applications
  - *Andrea Arguelles, Haley Jones, Olivia Cook*



# Future Meetings and Special Sessions



# Future Meetings

191 <sup>st</sup>	Baltimore, Maryland 15-17 December 2026
192 <sup>nd</sup>	Brussels, Belgium 21-25 June 2027
193 <sup>rd</sup>	TBD Fall 2027



# 191st Meeting - Baltimore, MD, 15-17 December 2026

- **Abstract Deadline: TBD**
- **Registration: \$650 (member preregistration rate)**
- **PATC Open Meeting: Joint with SAV, EA, Noise, others**
- **Planning for ASA Centennial Celebration activities (SP2029)**

## **SPECIAL SESSIONS (3)**

- **Measurements: mishaps, nuances, and unexpected findings**
  - *Luz Sotelo, Randall Williams, Ahmed Allen*
- **Wave Propagation Analogies Across Physical Systems**
  - *Likun Zhang, Yun Jing, Philip Marston*
- **Acoustofluidics and its applications**
  - *Charles Thompson*



# **192nd Meeting - Brussels, Belgium, 21-25 June 2027**

- **Student funding for the “Funds to Flanders” to be made available with similar scope to Down under Funder (Sydney)**
- **Received many special sessions from EAA counterparts that need to be mapped into appropriate TCs**
- **Finalize the sessions in Friday’s technical council meeting**
- **I will be reaching out next week to finalize session chairs and descriptive sentences**

**Abstract Deadline: TBD**



# 192nd Meeting - Brussels, Belgium, 21-25 June 2027

## SPECIAL SESSIONS (15)

- Acoustics in Additively Manufacturing
  - *Ahmed Allam, Luz Sotelo,*
- Optical Technologies for Acoustics and Vibration
  - *Carl R. Hart, Kenji Ishikawa, Samuel A. Verburg*
- Theory and application of Acoustofluidics
  - *Charles thompson*
- **Acoustic manipulation of particles, objects, and fluids**
  - *Junfei Li, Chu Ma*
- Ultrasound spectroscopy for Materials Analytics
  - *Christopher Kube, Raphael Hermann, Hanus Seiner*
- Nondestructive Testing and Evaluation
  - Brian Anderson
- Physical Acoustics in Art: Modeling and Applications
  - *Luz Sotelo*
- Experimental and Theoretical Approaches in Physical Acoustics
  - *Nico Declercq, Christopher Kube*
- Passive Imaging
  - *Lynda Chehami, Emmanuel Moulin*
- Laser Ultrasounds
  - *Samuel Raetz*
- Picosecond acoustics
  - Samuel Raetz
- Waves in complex media
  - Tony Valier-Brasier
- Acoustics in Challenging Environments
  - *Cristian Pantea*
- Acoustic Vortex Beams
  - *Randall Williams*
- **Acoustic Manipulation of Particles and Microfluidics**
  - *Zhixiong Gong, Michael Baudoin*



**Welcome New PATC Chair**



# **New PATC Chair starting in Baltimore**



**Likun Zhang**  
**University of Mississippi**





*Scan for Any of the Links*

*Thanks!*

