Welcome to ASA 186!

- 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
  - Visit: http://groups.google.com/group/ASA_BATC
  - Or email me: jcs516@psu.edu
Congratulations New Fellow!

Michael Oeleze
For contributions to quantitative ultrasound tissue characterization
May 13-17, 2024: Ottawa special sessions

- **Monday morning (1aBAa):** Sonobiopsy for Noninvasive Molecular Diagnosis (Hong Chen)
- **Monday all day (1aBAb, 1pBAb):** Ultrasound Brain and Super-Resolution Imaging I (Chengzhi Shi and Fabian Kiessling)
- **Tuesday morning (2aBAb):** Return of the Writer (Julianna Simon, Karla Patricia Mercado-Shekhar, and Kevin Haworth)
- **Tuesday all day (2aBAa, 2pBAb):** Ultrasound Beamforming and its Applications (Jian-yu Lu)
- **Wednesday morning (3aBAa):** SonoDynamic Therapy: A New Hope (James Kwan)
- **Wednesday morning (3aBAb):** Biomedical Acoustics Best Student Paper Award Poster Session (Ken Bader and Kevin Haworth)
- **Thursday all day (4aBAa, 4pBAb):** Wave Propagation in Complex Media: From Theory to Applications (Pierre Bélanger and Guillaume Haiat)
- **Thursday all day (4pBAb, 4pBAa):** Droplets Strike Back (Virginie Papadopoulou, Mario Fabiilli, and Kevin Haworth)
May 13-17, 2024: +4 Ottawa general sessions

• **Monday afternoon (1pBAba):** Chair: John Cormack
• **Tuesday afternoon (2pBAa):** Chair: Brandon Helfield
• **Friday morning (5aBAa):** Chair: Keith Wear
• **Friday morning (5aBAba):** Chairs: Anurag Paranjape and Virginie Papadopoulou
Thank you to the Poster Competition Judges!

Hong Chen
John Cormack
Michael Gray
Guillaume Haiat
Tim Hall
Yun Jing
James Kwan
James Lacefield
Adam Maxwell

Karla Mercado-Shekhar
Farshad Moradikashkooli
Meaghan O’Reilly
Virginie Papadopoulou
Chengzhi Shi
Julianna Simon
Eleanor Stride
Michel Versluis
Martin Verweij

35 Student Posters this year!
And the results of the student poster competition
Three-way tie for second

• **Dingyue Zhang** – Evaluation of sonobiopsy feasibility and safety in a mouse model of diffusive intrinsic pontine glioma

• **Elahe Memari** – The role of fluid flow patterns in microbubble-mediated endothelial cell membrane permeabilization

• **Hongchen Li** – Microstreaming profile of a phospholipid-coated wall-attached microbubble undergoing shape oscillation
And the winner is...

- **Kamso Onyemeh** – Active targeting of nanotherapeutics using power cavitation imaging with a linear array transducer
The audience choice award goes to

- **Kyle Hazel** – Focused ultrasound-guided delivery of gene editing protein in human induced pluripotent stem cells
Student Council Rep

TC: Biomedical Acoustics

Term: Fall 2023 - Spring 2025

Interested in joining Student Council?
**Student Events**

**Monday**
First-Time Attendee/Student Orientation (Room 203)  
5:15 – 5:45 PM  
~100 people attended!

**Student Meet and Greet (Trillium Foyer)**  
5:45– 7:30 PM  
~300 people attended!

**Student Informal Outing (Level One Game Pub)**  
8:00 – 10:00 PM  
~80 people attended!

**Tuesday**
Student Reception (Governor General Room)  
6:00– 7:30 PM
Join SONIC!

Encourage your students to participate!

Participation in Ottawa:

• 12 newcomers
• 7 guides
Monday TC Meeting
Standards Committee Update

• Certificate program for technical training in acoustics measurements to INCE standards
• Working to develop “How-to” guidelines to complement standards
  • Workshop Wednesday 8 – 9:30 am in Room 105
  • If interested, contact Nancy Blair DeLeon – nblairdeleon@acousticalsociety.org
AIPP Q1 2024 Report “Highlights”

- **Full-Text Downloads:** Usage is up sharply in Q1 – JASA up 77% and JASA-EL up 31%.
- **Submissions and Publications:** JASA submissions up 31% and publications up 9%. JASA-EL and JASA are both trending towards strong years in terms of submissions and publications.
- **Author Survey:** JASA and JASA-EL continue to have strong net promoter scores of 9.2 and 9.0, respectively, from published authors.
IF projected at 2.1 for 2023 (announced June 2024)
LinkedIn has the highest posting/likes/clicks

**Facebook**

**Impressions by Type of Post, 2023-2024 (Q1)**

**Reactions by Type of Post, 2023-2024 (Q1)**

**Link Clicks by Type of Post, 2023-2024 (Q1)**

**Instagram**

**Impressions by Type of Post, 2023-2024 (Q1)**

**Likes by Type of Post, 2023-2024 (Q1)**

**Link Clicks by Type of Post, 2023-2024 (Q1)**

**LinkedIn**

**Impressions by Type of Post, 2023-2024 (Q1)**

**Likes by Type of Post, 2023-2024 (Q1)**

**Link Clicks by Type of Post, 2023-2024 (Q1)**
Other publications news

• >50 episodes on the “Across Acoustics” podcast with >20,000 downloads
• Keep proposing JASA and JASA-EL Special Issues as they are popular
• Acoustics Today editor (Art Popper) stepping down end of 2024
• Editor in Charge (Jim Lynch) stepping down end of 2025
• Gold open access costs are increasing
  • $2200 (current) to $2600 after July 1, 2024 for JASA
  • JASA-EL increase from $900 to $1100 for members in 2025
Items from Executive Council

• ASA Academy for companies to educate employees on certain area(s) of acoustics
  • Subha Maruvada has a survey for distribution by BA

• Strategic Planning (Every ~5 years)
  • Member survey complete, summit forthcoming in July

• ASA School
  • 120 applicants, limited to 60 participants

• CIRDI BATC Representative – volunteers?
  • Attend monthly CIRDI meetings
  • Liaison between CIRDI and TC
Meeting Rule Reminders

• No photography without speaker consent

• No remote presentations
  • Pre-recordings
  • Live presentations
Ideas from Meetings Committee – Efficient Room Usage

• Plan under discussion for more efficient room scheduling to reduce A/V costs (a major meeting expense):
  • Concentrate A/V rooms on Mon, Tues, Thurs, and Fri
  • Concentrate posters on Wed. – minimal A/V costs
• Other big cost is from many competing sessions Tu-Th, which limits possible venues → if only one suitable venue, no competition

(Very) Rough Savings
• ~20% savings with poster/plenary Wed.
• Additional efficiencies might save another 5-10%,
### Ideas from Meetings Committee – Efficient Room Usage

Some TCs concentrate oral and additional poster sessions on Wednesday, Thursday, and Friday.

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral and/or poster sessions</td>
<td>Big poster sessions</td>
<td>Oral and/or poster sessions</td>
<td>Open TC meetings</td>
<td>Open TC meetings</td>
</tr>
<tr>
<td>Open TC meetings</td>
<td>Open TC meetings</td>
<td>Social</td>
<td>Open TC meetings</td>
<td>Open TC meetings</td>
</tr>
</tbody>
</table>

Some TCs concentrate oral and additional poster sessions on Monday, Tuesday, and Wednesday.
# Fall 2024 Virtual Meeting (Nov. 11-15, 2024)

## Schedule of synchronous activities and sessions

<table>
<thead>
<tr>
<th>Time</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>Th</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM (10:00 am - 12:00 pm EST)</td>
<td>Administrative meetings</td>
<td>TC-led activities (1)</td>
<td>TC-led activities (3)</td>
<td>TC-led activities (4)</td>
<td>Administrative meetings</td>
</tr>
<tr>
<td>PM (3:00 pm - 5:00 pm EST)</td>
<td>All-society: opening / kick-off</td>
<td>TC-led activities (2)</td>
<td>All-society: plenary, keynote</td>
<td>TC-led activities (5)</td>
<td></td>
</tr>
</tbody>
</table>

*Time zone converter*

<table>
<thead>
<tr>
<th>Location</th>
<th>Time (EST)</th>
<th>Time (EST)</th>
<th>Time (EST)</th>
<th>Time (EST)</th>
<th>Time (EST)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HONOLULU</td>
<td>4:00 am - 6:00 am</td>
<td>7:00 am - 9:00 am</td>
<td>10:00 am - 12:00 pm</td>
<td>4:00 pm - 6:00 pm</td>
<td>11:00 pm - 1:00 am</td>
</tr>
<tr>
<td>LOS ANGELES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEW YORK (EST)</td>
<td>4:00 am - 6:00 am</td>
<td>7:00 am - 9:00 am</td>
<td>10:00 am - 12:00 pm</td>
<td>4:00 pm - 6:00 pm</td>
<td>11:00 pm - 1:00 am</td>
</tr>
<tr>
<td>PARIS</td>
<td>4:00 am - 6:00 pm</td>
<td>7:00 am - 9:00 am</td>
<td>10:00 am - 12:00 pm</td>
<td>4:00 pm - 6:00 pm</td>
<td>11:00 pm - 1:00 am</td>
</tr>
<tr>
<td>TOKYO</td>
<td>11:00 pm - 1:00 am</td>
<td>2:00 am - 4:00 am</td>
<td>5:00 am - 7:00 am</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SYDNEY</td>
<td>12:00 am - 2:00 am</td>
<td>5:00 am - 7:00 am</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Fall 2024 Virtual Meeting (Nov. 11-15, 2024)

1. Show me your lab crib! (Traditional) – Tim Hall and Ellen Yeats
2. A debate about the future of nanobubbles in biomedical acoustics (Panel Discussion) – Eleanor Stride
3. Tutorial: Hydrophones and cavitation monitoring (Webinar + Panel Discussion) – Jeff Ketterling
4. Transitioning technology from idea to industry (Panel Discussion) – Tom Matula
5. Bubble-based therapies (Lightning Round) – Ken Bader and Misun Hwang
Fall 2024 Virtual Meeting (Nov. 11-15, 2024)

• Abstract deadlines TBD
• Platform – We & Goliath
• $250 member registration – required for all presenters!
  • $25 watch party supplement for a paid registrant
• No registration waivers for non-ASA members
  • We can use travel/discretionary funds as needed
• Official title: “187th meeting of the Acoustical Society of America – Virtual”
• Session organizers select abstracts
Spring 2025 ASA/ICA New Orleans, May 19-23

• Request for international co-chairs, finalize by Friday
  1. Wave propagation and aberration in complex media: from theory to applications (PA) - Vera Khokhlova and Doug Mast
  2. Super resolution imaging – Pengfei Song and Libertario Demi
  4. Technological Developments and Emerging Biomarkers in Elasticity Imaging (CA, EA, PA, SP) – Javier Brum, John Cormack, and Zhiyu Sheng
  5. Double, Double, Toil and Trouble…. Towards a Cavitation Dose (PA) – Christy Holland and Eleanor Stride
  6. Biomedical Acoustics Student Poster Competition – Kevin Haworth and Ken Bader

https://docs.google.com/forms/d/e/1FAIpQLSduWBY1QoC-0F2woFe3tPGR6hvuFVcfPFGffeG-EDUJKZGZaQ/viewform?usp=sf_link
ICA also has daily plenary speakers – please reach out if you have ideas for potential good speakers
  • Looking for diversity!
Fall 2025 ASA/ASJ Honolulu Meeting, Dec 1-5

• Request for Acoustical Society of Japan (ASJ) co-chairs
• Kenji Yoshida (kenyoshi1980@chiba-u.jp)

• Tentative sessions:
  1. Lung Ultrasound - Libertario Demi and ASJ?
  2. In vivo applications of quantitative ultrasound – Jonathan Mamou and Tadashi Yamaguchi
  3. Ultrasound super-resolution and brain – Chengzhi Shi, Fabian Kiessling, and ASJ?
  4. Ultrasound blood flow imaging/quantification – Michel Versluis, Chris de Korte, Yoshifumi Saijo, and Hideyuki Hasegawa

https://docs.google.com/forms/d/e/1FAIpQLScR3bUfHiRKZxb4v9tNN-g60Yzlag7TIDt8sthsky-DyMg3kA/viewform?usp=sf_link
Thank you BATC Representatives!

• Membership Committee: Bob McGough
• Medals and Awards: Vera Khokhlova
• ASACOS: Wayne Kreider
• Archives and History Committee: Julianna Simon
• Research and Education: Vera Khokhlova
• TPOM – John Cormack and James Kwan
• Student Rep: Chirag Gokani