

PATC Meeting Notes (12/06/2022)

Submitted by Ferdousi Rawnaque

Committee Reports

Medals and Awards

Jay Maynard (maynard@phys.psu.edu)

- R. Bruce Lindsay Award, and Helmholtz-Rayleigh Interdisciplinary Silver Medal, and Gold Medal awards need nominees
- Besides main nominator's letter, 2 more letters are required in the nomination package
- Detailed information on the award recipients available at the webpage <https://acousticalsociety.org/acoustical-society-of-america-awards/>
- Please send email to Jay Maynard regarding nomination related questions

Standards

Greg Lyons (gregwlyons@gmail.com)

- All standards are currently well maintained
- Students are encouraged to get more involved in the standards group
- Please send Greg Lyons topics for standards related to your field

Membership

Kent Gee (kentgee@byu.edu)

- We need more nominations from our TC for new fellows
- We need more non-students as full members
- Please contact Kent Gee for further information

Fellowship

- Candidates elected for fellowships are expected to meet the required factors
 - Technical contributions to acoustics
 - Participation in Society activities
 - Teaching or dissemination of knowledge
 - Leadership activities in other acoustical societies
 - Standards activities
- Relative importance of these factors will differ from candidate to candidate
- Elected candidates are expected to have significantly contributed to the society
- Several fellows are coming from the TC but they need to meet the requirements

New Fellows

- Three new fellows were announced and recognized in the meeting
- Murray Korman for advancing acoustics education through mentoring young acousticians and developing innovative demonstrations
- Andy Piacsek for exceptional service to the Society including leadership in scientific communications of acoustics

- Brian Anderson for contributions to applications of acoustic time-reversal and acoustics education

Winter School on Therapeutic Ultrasound

Les Houches, France

March 19-24

- Food and lodging will be included in the registration
- Supervisors are encouraged to send their students to Winter School
- Detail information will be available at <https://www.physicsformedicine.espci.fr/2023-winter-school-on-therapeutic-ultrasound/>

SURIEA Presentations in PA/BA

Eusila Kitur: Poster on Thursday, Lecture on Friday

Grace M. Farbin: Lecture on Thursday

Special Sessions This Week

Physical Acoustics Best Student Paper Competition -Poster Session

Thursday at 1 pm, Summit E (Julianna Simon, Andrea Arguelles, co-chairs)

Jobs

Johns Hopkins, Applied Physics Laboratory

- Staff Positions available for Algorithm Developer and Data Analyst, Acoustic Sonar and Signal Processing Engineer, and Modeler and Data Analyst
- Contact: Jennifer L. Cooper for further information at Jennifer.Cooper@jhuapl.ed

NASA Langley, Structural Acoustics Branch

- Acoustics Research Engineer
- Contact: Alexandra Loubeau at a.loubeau@nasa.gov

Future ASA Meetings

2023 Spring - Chicago, IL 8-12 May

Chair: Shane Kanter

2023 Fall - Sydney, Australia, 6-10 December

Joint with AAS, WESPAC, PRUAC

Co-Chairs: Marcia Isakson, Ray Kirby (WESPAC)

2024 Spring Ottawa, Canada, 13-17 May

Chair?

2024 Fall: Virtual (finalized)

2025 - New Orleans, LA (Joint with ICA), 19-23 May

Chair: Mark Hamilton

Virtual Meeting

Several problems were discussed regarding a full virtual meeting:

- One slide presentation cannot contain enough information
- Joining the meeting heavily relies on internet connection
- Panel discussions usually fails as people do not read or view the materials prior to the meeting
- Discussion with multiple people fails to create significant conversation compared to one on one in person conversation

Possible solutions discussed:

- As virtual meeting cannot meet the networking expectation of in person meetings; more focus should be given on the presentation content and panel discussion
- All presentations can be submitted one month prior to the meeting, so actual meeting can only have discussion in real time
- We need to maximize participation to make the meeting successful
- Please contact us with your ideas on how to improve the virtual meeting

Meetings Reimagined

These changes are coming (in or after 2025?)

- No more Social Hour/buffets on Tuesday and Thursday (costs is approx. \$100/person)
- One social on Wednesday nights
- No Society Luncheon and Lecture
- Scaled back Accompanying Persons program
- Women in Acoustics changed to a light reception

NOTES:

Conference industry predict costs to rise 30%

Food & beverage, A/V some of largest expenses

Special Sessions – Chicago, Spring 2023

- Acoustic Remote Sensing in Urban Environments - Max Denis, Sandra Collier
- Acoustics Demonstration Extravagnaza - Dan Russell
- Interaction of Electromagnetic Waves with Acoustic Waves - Chu Ma, Parag Chitnis
- Advances in Sonochemistry - James Kwan
- Sonogenics - James Friend, Sreekanth Chalasani
- Acoustics and Elasticity of Consolidated and Unconsolidated Granular Materials - John Yoritomo, James Bittner, Richard Weaver
- Acoustic Sensing in Planetary Environments - Andi Petculescu, Tim Leighton

Special Sessions – Sydney (Due before January 6th)**Fall 2023**

- Machine Learning and Optimization for Acoustic and Elastic Metamaterials -Feruza Amirkulova : Name of the session was possibly recently changed to AI for Acoustics Metamaterials

- Nonlinear acoustics in solids - Christopher Kube, Ching-Tai Ng
- Multiphase Flow and Acoustics - John Allen, Richard Mannasseh
 -
 - *We initially needed to co-chair with WESPAC organizers*
 - *Please go ahead and propose session*

FORM: <https://forms.gle/ak8212ps5DDA1CibA>

Technical Initiatives

- We only received one submission
- PATC can allocate 1500 USD without further approval
- We cannot carry over this 1500 USD if funds remain unused
- Please contact Joel Mobley (jmobley@olemiss.edu) if you want to apply for the fund

Technical Council

Ad Hoc Committee on Practitioners and Industry

- Need to establish a liaison in each TC
- If anyone is interested, please contact Joel Mobley (jmobley@olemiss.edu) for further information

Publications

JASA

- Good news! JASA Impact Factor raised to 2.48
- JASA-EL will get its own impact factor mid-2023

POMA

- Editor reviewed
- POMA gives quick citation opportunities
- JASA does not count publications in POMA as prior publication, so students can re-submit their work in JASA
- Great repository for work

POMA Student Paper Competition

- Competition deadline 8 January, 2023 11:59pm EDT
- 300 USD award for 5 winning papers