

PATC Meeting Notes (11/30/2021)

Taken by Blake Simon

Congratulations to New Fellows:

- Subha Maruvada
- Brent Hoffmeister
- Bradley Treeby

Student Council: Blake Simon

- Last meeting as PATC student rep
 - o Ferdousi Rawnaque of Penn State will take over after this meeting.
- Members mentioned problems with Student Meet Members for Lunch (SMMFL) program, some people didn't get matched up
- Some members want to be able to sign up for SMMFL when they arrive at the meeting, instead of having to do it with the registration.

Standards: Greg Lyons

- There is a search committee in search of a new director of standards

Membership: Kent Gee

- Encourage younger meeting attendees to become *full* society members
- NEED Fellow nominations!!!
- There is a cap for the number of fellows, but ASA is currently not close at all to this cap

Medals and Awards: Jay Maynard

- PA is not currently up for the Silver Medal
- Gold Medal, Helmholtz award, are some other options

New Web Committee Chair: Aaron Vaughn

- Any feedback or suggestions, pass on to Aaron

Fellowship:

- We have had a lot of fellows that work with biomedical ultrasound, but we also need to recognize those in other fields that fall within our TC. (Added Note: Fellows are not associated specifically with any TC, so there is no such thing as a "PATC fellow" specifically. However, I encourage all fellows to identify potential candidates, assess their current suitability and initiate their nomination if warranted.)
- Factors:
 - o Technical contributions to acoustics as evidenced, for example, by publications and presentations, patents, projects, service to the Society
 - o Participation in Society activities
 - o Contributions to the teaching or dissemination of knowledge of acoustics
 - o Leadership activities in other acoustical societies
 - o Standards activities

- Relative importance of these factors will differ from candidate to candidate
- One is expected that a candidate approved for fellowship have an “*appropriate*” level of involvement in ASA

UPCOMING MEETINGS OF INTEREST:

INTER-NOISE 2022

- August 21–24 in Glasgow, U.K.
- Keith Attenborough and Olga Umnova
- Focused sessions on:
 - o Surface and Edge Waves
 - o Acoustic and Elastic Metamaterials
 - o Multiscale Phenomena in Porous Media
- Deadlines:
 - o Abstract submission: 4th February 2022
 - o Early registration: 29th April 2022
 - o See <https://inconference.eventsair.com/internoise-2022>

International Symposium on Nonlinear Acoustics

- 4-8 July, 2022, Oxford, U.K
- Robin Cleveland and Mark Hamilton
- Deadlines:
 - o Abstract submission opens: 13th January, 2022
 - o Abstract submission Deadline: 13th March, 2022
 - o Acceptance Decision: Friday 1st April 2022
 - o Early registration: 1st June 2022
 - o See <https://isna22.web.ox.ac.uk>

Physical Acoustics Summer School (PASS)

- 5-9 June 2022, University of Mississippi, Oxford, MS
 - o Josh Gladden is chairperson; Preston Wilson and Veerle Keepens are on the organizing committee.
- Application Deadline: February 9, 2022
- PASS 2020 students are automatically accepted
- New applicants are welcome!
- Great opportunity for networking! It is a place to foster connections with current and future leaders in acoustics, and form friendships with people you will see throughout your career.
- See <https://ncpa.olemiss.edu/pass-2020/>

Winter School on Therapeutic Ultrasound

- 2023
- Vera Khokhlova

ASA School

- Weekend before Denver ASA meeting
- Graduate students and early career
- See add in Acoustics Today
- <https://acousticalsociety.org/asa-school-2021/>

OTHER ANNOUNCEMENTS:

JASA Special Issue

- Theory and Applications of Acoustofluidics
- Guest editors:
 - o James Friend, Charles Thompson, Kedar Chitale, and Max Denis
- Starts with December issue

Faculty Position in Ocean Acoustics

- Scripps Institution of Oceanography, UCSD
- Observational ocean acoustics
- Assistant, Associate or Full
- Expected to develop/maintain an innovative sea-going research program
- Application deadline: 10 January, 2022
 - o <https://scripps.ucsd.edu/portal/jobs>

Technical Initiatives

- Due by (before) 8 am Friday
- Contact me if you intend to submit
- They do not carry over if previous funds were unused
- We have a total of \$1500 we can spend as a TC without further approval
 - o Ralph wants to put \$750 towards the SURIEA program
 - Josh says there is enough funding, so we will pass on this
- Invited speakers have been covered with these funds in the past

Special Sessions this Week (Seattle)

- Session in Honor of David T. Blackstock
 - o Mark Hamilton, Tom Muir (4aPA, 4pPA; Quinault)
- Infrasond
 - o Roger Waxler, Phil Blom (3aPA, 3pPA, Room 402-402)
- Impact of Logan Hargrove on Physical Acoustics
 - o Preston Wilson, Ralph Muehleisen, Veerle Keppens (Today)
- Wind Noise
 - o Greg Lyons, Kirk Alberts, Rich Raspert (Today)
- Acoustofluidics
 - o Charles Thompson, Kedar Chitale, Mark Meacham, Max Denis (Monday)

2022 Spring – Denver, CO (May 23-27)

- Vortex Beams and Radiation Torques
 - o Likun Zhang, Chengzhi Shi
- Advances in Sonochemistry
 - o James Kwan
- Progress in Sonic Boom Modeling Processing and Analysis on Community Response
 - o Joel Lonzaga, Aaron Vaughn, Phillippe Blanc-Benon
- Sonic Boom Focusing Predictions
 - o Alexandra Loubeau, Sriram Rallabhandi
- Acoustic Remote Sensing in an Urban Environment
 - o Max Denis, Sandra Collier
- Meteorological Acoustics
 - o Roger Waxler
- Machine Learning in Acoustic metamaterials
 - o Feruza Amirkulova, Chengzhi Shi, Valerie Pinfield

2022 Fall – Nashville, TN (Dec. 5-9)

- Currently planned sessions:
 - o Ultrasonic Assessment of properties in complex materials
 - Andrea Arguelles, Marie Muller
 - o Acoustofluidics
 - Max Denis, Charles Thompson
 - o Resonant Ultrasound
(**NOTE:** more have been added since the meeting)
- Suggestions for sessions:
 - o Effective medium theory (not sure who suggested this topic)
 - o Special Session surrounding relation between physical acoustics and country music
 - Suggested by Preston Wilson
 - o Educational Special Session related to Physical Acoustics
 - Suggested by Dan Russell
 - o Infrasound and Seismic Acoustics
 - Suggested by Phil Blom
 - o Interaction with Light and Sound, Joint with Biomedical
 - Suggested by Carr Everbach
- FORM: <https://forms.gle/Hhdp44atKwzPaJAKA>

2023 Spring – Chicago, IL (May 8-12). Suggestions below:

- Acoustics to enhance other physical processes (suggested by Ralph)
- Educational Session for New Members about what the ASA does
 - o Discuss what each ASA committee does
 - o Another description: Special Session on structures and operation of ASA

- Information is available online, but it is not very accessible
- Have a special session that corresponds with a JASA special issue
 - Invited speakers will be the journal authors
- Willis Materials Special Sessions (not sure who suggested this)

2023 Fall – Sydney, Australia (Dec. 6-10)

2025 – New Orleans, LA

- Joint with ICA (International Congress on Acoustics)
- Chair: Mark Hamilton
- Co-Chair: Joel Mobley

New Chair Election Procedures

- Nominating Committee
 - Current chair + previous two (*same as before*)
- Voting
 - All TC members (official list)
- Tiebreaker
 - Chair casts deciding vote after the results are in (*same as before*)
- There was a suggestion to have people inquire about becoming PATC official members on the PATC website
- ADDED NOTE: Student members

Racial Diversity

- Committee to Improve Racial Diversity and Inclusivity (CIRDI)
 - Tyrone Porter and Peggy Nelson, co-chairs
- Summer Undergraduate Research or Internship Experience in Acoustics (SURIEA)
 - 16 students were funded
 - 8 are here in Seattle
 - 170 applicants
 - 68 mentor applications
 - Presentations at Denver Meeting
- Research/Internship program for minority students
- Laboratory research or other hands-on experience
- AIP, ASA Foundation, EC providing funds
- Seeking ...
 - TC contributions (e.g., \$15k adds two students)
 - Mentors, instructors
- <https://acousticalsociety.org/diversity-initiatives/>
- A committee tries to match student applicants with mentors
 - Mentors do not know the student applicants

Remember to publish in POMA!

- Really encourage students to publish in POMA
 - o Great way to work on writing skills

Student Paper Prize for Physical Acoustics (Kent Gee)

- Students submit to POMA
 - o Award is chosen from these submissions
- Larry Crum advises us to have a poster session for students\
 - o Biomedical Acoustics already does this