

These are the minutes from the virtual Underwater Acoustics (UW) Technical Committee (TC) meeting during the month of May, 2020. The ASA Meeting scheduled for Chicago was cancelled due to the Covid19 pandemic. In lieu of an online TCUW meeting, the information below was sent to all TCUW members.

1) Special reports (Membership, Awards, Standards, Students, JASA): I will pass along these reports as these committees meet (virtually) this week.

2) San Diego Meeting (Dec. 2019):

Special thanks to Peter Gerstoft (Meeting Chair), Aaron Thode (Tech. Prog. Chair) and Tim Duda (TPO Rep.) for their contributions to an excellent meeting! There were 1200+ attendees.

We sponsored the following special sessions:

- CNTBT IMS: A global sensor network with scientific and civil applications in hydroacoustics (UW, AO, SP; Nielsen/Bradley/Zampolli/Haralabus)
- Ship source level estimation: Methods and measurements (UW, AB; Tollefsen/Knobles/Hannay)

We co-sponsored the following special sessions:

- Marine Seismioacoustics (AO)
- Special Session in Honor of Michael Buckingham (AO)
- Parabolic Equation Methods Across Acoustics (CA)
- Introduction to TCs (ID)
- Transportation Noise from its Consequences to the Solution Set (NS)
- Aqueous Acoustic Metamaterials (PA)
- Memorial Session in Honor of Ed Sullivan (SP)
- Signal Processing for Biological Transients (SP)

3) Chicago meeting (Spring 2020):

The Spring 2020 meeting is postponed to Dec. 2020.

Membership and committee terms will start/end at the end of this week (the normal procedure).

Special sessions originally scheduled for the spring and fall meetings of this year (2020) have been postponed to Seattle in the spring of 2021.

4) Chicago meeting (Fall 2020):

The Fall 2020 meeting was originally planned for Cancun, but is now being held in Chicago.

The 179th ASA meeting is scheduled for 8-12 December 2020 (Tuesday through Saturday) at the same hotel (Chicago Marriott Downtown Magnificent Mile Hotel).

TPO Rep.: Special thanks to Derek Olson for volunteering (again) as our TPO Rep. for Chicago!

There are no TCUW-sponsored special sessions at this meeting (all postponed to Seattle).

There will be a new call for abstracts, and all those who submitted abstracts for the May 2020 meeting must resubmit for the Fall 2020 meeting, if desired. The call for abstracts will go out in late July 2020.

5) Seattle meeting (Spring 2021):

The 180th ASA meeting will be held in Seattle, WA, 7-11 June 2021.

Special sessions:

Acoustics of underwater explosions

Machine learning in underwater acoustics

The waveguide invariant theory and its applications

ASA School 2021: Seattle WA area, 5-6 June 2021, more info to come.

TPO Rep.: We need a volunteer for this meeting. Please email me directly if you would like to help with this.

6) Sydney meeting (Fall 2021):

The 181st ASA meeting will be held in Sydney, Australia, 6-10 December 2021.

It will be a Joint Meeting with the Australian Acoustical Society (AAS).

You'll be hearing a lot details about this meeting in the coming months (e.g. 20 min talks (15 min for the talk, 3 min for questions, and 2 min for folks to move between rooms), keynote speakers, oral and poster presentations, etc.). Expect a very early call for papers leading up to this meeting.

TPO Rep.: We need a volunteer for this meeting. Please email me directly if you would like to help with this.

7) Denver meeting (Spring 2022):

The 182nd ASA meeting will be held in Denver, Colorado, 23-27 May 2022.

TPO Rep.: We need a volunteer for this meeting. Please email me directly if you would like to help with this.

8) Miscellany:

The International Year of Sound has been extended into 2021. See <https://sound2020.org> for more details.

9) Questions for you:

- a) Do you now (already) know that you will be restricted by your institution/agency from traveling to the Fall 2020 meeting in Chicago?
- b) If the Fall 2020 Chicago meeting is largely virtual, will you “attend” online?
- c) If the Fall 2020 Chicago meeting is largely virtual, would you be willing to present your talk remotely (e.g. via Zoom or other platform)?
- d) What is your opinion regarding making the Fall 2020 Chicago meeting partially virtual?

If you have any questions, please email me, and I’ll do my best to get them answered.

This is a follow-up to the email that I sent to TCUW members on May 12 (above).

1) New TCUW members: If you look at the addressees of this email, you’ll notice that we have many new members this time around (bottom ~third+ of the list). Some prior members are renewing a new 3 year term; many others are ASA Fellows whose primary field of interest is UW Acoustics but whose TCUW membership had lapsed. They are now back on the bandwagon. Welcome to all the new and renewing members! The membership list on the TCUW webpages will be updated in the near future. We now have 103 members.

2) Please join me in thanking the following people who have served our TC in the following capacities this past year (May 2019 to May 2020):

Bill Siegmann, Membership Committee
Tony Lyons, Medals and Awards Committee
Alex Padilla, Student Council
Roger Logan, ASACOS

3) Please join me in thanking the following people who have agreed to serve in the following capacities for this year (May 2020 to May 2021):

Mohsen Badiy, Membership Committee
Preston Wilson, Medals and Awards Committee
Mark Langhirt, Student Council
Jason Summers, ASACOS

4) ASA Chicago meeting in December: Expect to see a major announcement in the near future from the Society regarding this meeting. Please see the earlier email (below) regarding special sessions and other details.

5) "Technical Initiatives funds: There are two categories:

a) Ongoing Programs: Each TC is allotted up to \$6K/year for best paper awards and speaker travel to ASA meetings (e.g. for some invited speakers to special sessions).

b) Technical Initiatives: These funds are to help the ASA achieve its mission and strategic goals. These funds are often used to help sponsor non-ASA acoustics meetings and workshops.

If you have questions regarding these funds or would like to apply for funds in support of an eligible project, please let me know.

The next opportunity for submitting Technical Initiative proposals will be at the fall meeting.

6) Please read Mark Langhirt's Student Council report (below).

UW TC Student Council Report

Hello everyone, my name is Mark Langhirt. I am a student in the graduate program in acoustics at Penn State and I am rolling on as the new student council representative for the Underwater technical committee. My term will extend through the Spring 2022 meeting. New applicants for the UW TC rep will be able to apply in January 2022.

Feel free to contact me at mark.a.langhirt@gmail.com if you need additional information or have any questions or concerns for the student council.

Resources:

The student council has a number of **online resources** for students to stay connected with ASA, including the ASA Students website. Here is a list of resources you can direct your students to:

- Website: <https://asastudents.org/>
- Twitter: [@asastudents](https://twitter.com/asastudents)
- Facebook: [Acoustical Society of America – Students](https://www.facebook.com/AcousticalSocietyofAmerica-Students)
- LinkedIn: search for "Acoustical Society of America Students" group

A database of **academic acoustics programs** for prospective students can be found at: https://exploresound.org/business-directory-2/?wpbdp_view=all_listings.

Updates and News:

As a reminder, we encourage ASA members to sign up in advance for the **Students Meet Members for Lunch (SMMfL)** program for the next meeting in Chicago F2020. Members who wish to participate should check the SMMfL check box in the conference preregistration form.

The "**Graduate Studies in Acoustics**" poster session, which was previously scheduled for Chicago S2020, has been rescheduled for the Chicago F2020 meeting in the fall.

The **ASA School** has been moved to the S2021 meeting in Seattle. We encourage all students to apply, however students that already applied or were accepted to the Chicago S2020 ASA school will need to reapply for S2021.

The **David T. Blackstock Student Mentor Award** three-meeting award cycle will continue as planned, so expect a call for nominees to go out sometime next month. Also, the award guidelines have been updated to be more inclusive to industry mentors, rather than just academic mentors.