

Agenda

TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

Virtual meeting of TCAA

Tuesday, December 8, 2020

3:30 PM (CDT)

Zoom

Chair: **Ana Jaramillo**

Chair-Elect: **David Woolworth**

In Attendance:

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Section One: Welcome and Acknowledgements

I. Welcome and Introductions

- Attendance form <https://forms.gle/U3DoDHvQXi5x9Umq7>
- Attendees are encouraged to become TCAA members if they are not already.
- Introduction to TCAA

II. Previous Minutes

- Approval of previous minutes
 - Previous minutes (Virtual Spring Meeting).
 - Reminder: TCAA Meeting Agenda and Minutes are published on the TCAA website <http://tcaaasa.org>

III. Acknowledgements

- **Brandon Cudequest** (Technical Program Chair)
- **David Manley & Ben Bridgewater** (TCAA TPOs)
- **Virtual Technology Task Force**
- **Session Chairs:** Jay Bliefnick, Ken Good, Alaa Algargoosh, Matt Golden, Ben Shafer, Vic Sparrow, Gary Elko, Laura Brill, David Lubman, David Woolworth, Tony Hoover, Matthew Neal, Jonas Braasch, Timothy Hsu
- **Presenters:** 69 papers presented in 9 special sessions
- **Sean Browne** (Webmaster)

IV. Congratulations!

- **New Fellows -**
 - Eddie Lau: For contributions to sustainable design in building acoustics, and education
 - Eric Reuter: For contributions to architectural acoustics education and service to the Society
- **Wallace Clement Sabine Medal**
 - Gary W. Siebein: For contributions to education and practice in architectural acoustics
- **Premio Materialización de Obras de Ingeniería Ing. Jorge Marcelo Lockhart (Academy of Engineering of the Buenos Aires Province)**
 - Gustavo Basso

V. Chair's Report

1. Editor in Chief (Jim Lynch)

- Publication statistics look good despite COVID-19
- IF for AA was >2 for 2019!
- Special issues and tutorials always get great IF
- Articles for a special issue will be published in next available issue so early submissions don't have to wait. At the end they'll be added to an online collection
- Upcoming ASA Publications podcast
- Acoustics Today re-designed, well received

2. Standards (Chris Struck)

- New business model working great but 4 organizational memberships lost
- Session on Thursday: Noise Standards - Applications, Measurement Methods, Analyses, and Data Processing Involving ANSI/ASA S12 and/or ISO Noise Standards (James Phillips, Chris Struck)
- S12/WG41 (community noise) decided to issue a Technical Report (no requirements, just guidelines)
- Nationally adopted standards on measurement microphones
- Published 9 standards and reaffirmation of 85 standards!

3. ASA Webinar Series

A new ASA-sponsored monthly webinar series on topics of interest to the general ASA membership and the broader acoustics community, to provide ongoing engagement in acoustics throughout the year. A working group will select topics of interest, speakers, and moderators. Results, including attendee feedback, will be evaluated following three webinars. Feedback, volunteers for the working group, and/or speaker recommendations from TCs are welcome.

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- Patricia Kuhl Webinar on Thursday, 14 January 2021 at 1 pm PST
4. **Strategic Initiative A:** Identification and Promotion of Emerging Scientific/Technical Areas
 5. **Strategic Initiative B:** Better Engagement of Industry and Practitioners (Derrick Knight)
 - A panel session at the next meeting (Spring 2021) will help those in academia to learn how to respond to RFPs. I am looking for one more volunteer to be a panelist. We are hoping to find a consultant who does at least some government work who can talk about how to structure a Proposal (or statement of work) and how they approach marketing.
Derrick.Knight@tranetechnologies.com
 - The Taskforce for Better Engagement of Industry and Practitioners is in the early stages of developing a program within the ASA which would offer education, training and or professional development.
 - Which areas do we target first?
 - Who are the competing organizations?
 - Who is willing to teach under the label of the ASA?
 - What administrative infrastructure is required to support this?
 6. **Strategic Initiative C:** Improved Communications and Public Relations
 7. **Strategic Initiative D:** Member Engagement, Outside of Meetings
 8. **Committee to Improve Racial Diversity and Inclusivity – CIRDI** (Tyrone Porter/Peggy Nelson)

The CIRDI committee is working in two directions to promote racial inclusivity in the ASA: studying internal processes, and expanding our external reach to under-represented groups. At this AVE meeting 14 minority students are here on fellowships. In Summer 2021 we plan a research/internship experience for minority undergraduate students that includes 3 weeks of workshops plus a paid hands-on (possibly virtual) experience. So far the AIP, ASA foundation, and ASA EC have committed some funds to cover the cost of this first summer program, providing enough for 6-8 students so far. *We're asking the TC's to consider pooling some of their technical initiative funds together to help expand the number of students we can accommodate.* If we'd pool together \$15,000, for example, we could add two more students. *We'll also be looking for possible mentors, and possible instructors for the workshops.* See <https://acousticalsociety.org/committee-to-improve-racial-diversity-and-inclusivity/> for more details, and the link to indicate interest in mentoring students is at the bottom.

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9. AVE

- >1100 abstracts
- ~1300 registrants
- Comments

10. 2021 Meetings

- Spring virtual meeting – Fall Seattle meeting
- Sessions for both meetings need to be finalized this week. Sessions can be moved from Spring to Fall but no sessions can be added to Spring

Section Two: Committee and Subcommittee Reports

I. ASA Committee Reports

1. Membership (Damian Doria)

Welcome to the new TCAA rep to Membership – Damian Doria!

The previous documentation regarding procedures for nomination of Fellows and for the Membership Committee's evaluations was heavily predisposed toward academics (i.e., publications, research, etc.), but recent new revisions provide clarification and assistance regarding nominations and evaluations of practitioners' important contributions to acoustics and the Society. The three revised documents - posted on the ASA website: Information for Sponsors, Guidelines for Preparing Nominating and Seconding Letters, and Procedures (for evaluation) <https://acousticalsociety.org/procedures#fellowship> are now in use by the Committee as of Spring 2020.

Continued good progress with Associates and former Students applying for Full Membership. Application is easier than ever, on the ASA website: <https://acousticalsociety.org/new-membership/#gi> >> Transfer to full Membership (click on link for application form)

2. Meetings (Damian Doria)

The Meetings Committee seems in favor of holding a meeting in the Spring even if there are a reduced number of participants, as opposed to skipping technical sessions like last Spring. This Fall's virtual meeting is doing well for registration...numbers are in alignment with a typical, well-attended meeting. We will know more about how the Membership liked the format in a couple of weeks and much more about the challenges and total costs of holding a virtual conference of this size.

One concern raised about a virtual meeting in the Spring is that there may not be a lot of research progress during the pandemic, meaning fewer abstract submissions. Research in different TCs are more or less impacted by the pandemic, and the Meetings Committee didn't have a sense of the overall effect it will have on abstract submissions.

Gather a sense of TCAA opinion on these questions:

<https://forms.gle/U3DoDHvQXj5x9Umq7>

1. If the Spring Meeting is held in virtual format would you attend?
2. Would you plan to submit a paper and hold special sessions if the Spring conference is planned as a virtual gathering?

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An in-person meeting for Spring seemed to be a high risk to the Society in terms of getting attendees to attend and more importantly to be assured of their safety. The Committee are proceeding on the assumption that there will be enough progress on vaccines, etc. by Fall that planning for an in-person Fall 2021 Conference should continue. EC will make a final call on this, but they will seek opinions and feedback from TC.

3. JASA

- JASA Associate Editor (Michael Vorländer, Brian Katz, Francesco Martellotta, Ning Xiang, Lauri Savioja, Frank Sgard)
- JASA Coordinating Editor (Ning Xiang)

4. JASA-EL Associate Editor (Ning Xiang)

JASA Express Letters go separately as an independent online journal

5. Publications Policy (Eddie Lau)

- Data availability statement is required for all articles in ASA journals. Research shows sharing data influence citations.
- We will have a meeting this week.

6. POMA - Proceedings of Meetings on Acoustics (Lauren Ronsse)

Proceedings of Meetings on Acoustics (POMA) is an editor-reviewed, open-access, online journal published by the Acoustical Society of America (ASA). Articles originate as papers presented at semiannual ASA meetings or at other cosponsored meetings. Both researchers and practitioners are encouraged to submit manuscripts to POMA.

NEW: Winners of the TCAA student presentation competition will receive special recognition on the cover page of their POMA submission.

7. Women in Acoustics (Lauren Ronsse)

- Everyone is encouraged to attend the Women in Acoustics luncheon held at each meeting.
- We are highlighting acoustician work-parenting stories on our website (<https://womeninacoustics.org/news/work-parenting-stories/>).
- We would welcome additional stories!
- WIA sponsored funding opportunities:
 - The Young Investigator Travel Grant is intended to help with travel costs associated with presenting a paper at the meetings. Young professionals who have completed their doctorate in the past five years are eligible to apply if they plan to present a paper at an ASA meeting, are not currently students, and have not previously received the award.
 - The Dependent Care Subsidy is intended to help with dependent care costs associated with attending an ASA meeting. Meeting attendees are eligible to

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apply if they plan to present a paper at an ASA meeting or hold a leadership position in ASA.

- Please see the call for papers for more details on these opportunities for future meetings.

8. College of Fellows (Tony Hoover)

9. Regional & Student Chapters (Ken Good)

Regional and student chapters met December 2nd.

COVID restrictions have limited activities for most chapters, however several chapters have been able to adapt and have hosted virtual meetings. Of note the Spanish Speaking Chapter by design is a virtual group and has had minimal disruption. Also LA, Washington DC, & North Carolina Chapters have adapted well providing virtual events.

Since some chapters are hosting virtual meetings and we are not bound by geography, I encourage each of you to “plug-into” these events as a means of staying connected and just might be a jump start to begin a local chapter.

10. ASA Jam (Tony Hoover)

Efforts, by an informal subgroup of the ASA Subcommittee on ASA Jams, to collect videos by/from ASA members/students, have been spearheaded by Dave Woolworth. These videos should help to expand the diversity of content in the Jam, “spread the word” about the ASA Jam (virtual and in person), and also to offer examples that various jammers may want to try to play at the future Jams. These videos will be posted on the ASA Jam page on the ASA website, and the Facebook ASA Jam page. Details about uploading, formatting, etc. have recently been made available at <https://acousticalsociety.org/social-events-jam/> or directly at

https://i.emlfiles4.com/cmpdoc/1/3/7/2/9/files/707367_2020-10-20-asa-virtual-jam-guide.pdf?utm_source=ASA&utm_medium=email&utm_campaign=11940549_AVE%20Broadcast%20%232&dm_i=1ZJV,73XDX,PD8RHV,SQQFL,1

In lieu of a live Jam, there will be a “virtual Jam” on Wednesday 09Dec2020, with Dave Woolworth VJ-ing various submitted music and videos. At this writing, the program will start at 8pm EST and continue for up to 4 hours based on content submitted to the platforms. The program will be broadcast live inside the ASA Jam page with an embedded You Tube channel. All ASA members have access via password.

11. Medals and Awards (Tony Hoover)

Nothing to report (the current cycle primarily regards other TCs)

12. Standards (Nicolas Sylvestre-Williams)

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There is a number of sessions, check the one on Thursday morning for things relevant to AA.

13. Student Council (Mallory Morgan)

- A student orientation, meet & greet and social were held last night (Monday), attended by roughly 80 students
- Please sign up for SMMFL (students meet members for lunch) for the Spring meeting
- Patrice Beddor (2019 Fall winner) and nominee selected during this conference will be awarded the David T. Blackstock Student Mentor Award at the Spring meeting
- ASA School to be held in the two days preceding Seattle meeting (5-6 June), students encouraged to apply
- Students are encouraged to apply this January for open student council positions (look out for an email about this)

14. Panel on Public Policy (Eric Reuter)

- Working Group on Noise in Public Accommodations –
Much of the discussion relating to this initiative centered on the negative impact of COVID-19 on ongoing data acquisition efforts associated with restaurant noise levels and what the hospitality industry (prominently including the restaurant fraction of that industry) might look like with respect to noise in a post-COVID-19 culture. One significant consensus emerging from Panel discussions centered on the opportunity to collaborate with representatives of the hospitality industry to take advantage of the COVID-19 slow down period to lay out a post-COVID-19 reopening blueprint that takes acoustical concerns into account.
Moving forward, based on pre-COVID-19 findings, the consensus of the Panel was to proceed with efforts to prepare a draft position/policy statement on the question of restaurant noise, as well as the development of a proposal to rate restaurants on the basis of sound levels for consideration at the upcoming Seattle meeting.
- IEQ-GA (Indoor Environmental Quality - Global Alliance) –
IEQ-GA is a new organization of scientific societies dedicated to providing "acceptable indoor environmental quality (thermal environment-indoor air quality-lighting-acoustic) to occupants in buildings and places of work around the world and to make sure the knowledge from research on IEQ get to be implemented in practice".
Ken Roy, as the previous TCAA delegate to PoPP began the effort of making ASA a charter member of IEQ-GA several years ago. I took over this effort 2 years ago when I replaced Ken on PoPP. The organizers of IEQ-GA were eager to have ASA as a member, as there were no other acoustical societies present during the organizational meetings. While we were unable to finalize our commitment

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before IEQ-GA was officially incorporated during the summer of 2019, I'm happy to report that ASA became a full member in the spring of 2020.

IEQ-GA requires a delegate and alternate from each full member organization, who serve as members of the Board of Directors and vote on administrative and policy matters. As of now, I am the ASA delegate. I suggested at the PoPP meeting last week that the Chair of TCAA be the alternate for the time being.

I propose that we convene a joint TCAA/TCN subcommittee to serve as advisors for ASA's participation in IEQ-GA.

- An Indoor Air Quality (IAQ) conference was planned for September of 2020, but has been postponed one year. I had planned to attend this conference, with sponsorship from PoPP and Task Force B. Though acoustics is not represented, my intention is to gain a better understanding of the other aspects of IAQ/IEQ and how we might coordinate and collaborate with our counterparts in related industries and professional societies. I plan to attend the conference next year. The IEQ-GA Board meeting will be held during the conference.

15. Education (Jim Degrandis)

- EdCom talked a great deal about the CIRDI initiative - having breakout sessions to work on the outreach and Internship/Research assistant training program. The focus was to come up with an outline for a curriculum which could be used to introduce acoustic principals to students from varied programs (engineering, architecture, physics, music, bio, etc.) The hope is to give a 3 week/3 hour-a-day boot-camp on acoustics to prepare them for a 9 week internship or research assistant role - which may interest the student in furthering their knowledge in acoustics.
- The "Connecting Industry and Education" special session, which was a joint EDCom/AA session (Dan Russell & Jim DeGrandis), has been postponed until Denver 2022 to allow time for academia and industry to both adapt to restrictions placed on their interactions.

16. Tutorials, Short Courses, Hot Topics (Eddie Lau)

- Current Meeting: 179th Meeting, Acoustics Virtually Everywhere, 7-11 December, 2020.
 - No Short Course, and Tutorials was postponed.
 - Hot Topics
 - Michael Vorländer: Virtual Acoustic Environments for Perception Research
 - John Gransow: Additive Manufacturing in Musical Acoustics
 - Fredrick Gallun: Flipping the Lab: Portable Automated Rapid Testing (PART) systems for Psychological Acoustics
- Next Meeting: 180th Meeting, Seattle, WA, 7-11 June 2021
 - Tutorials: software best practices for reproducible and collaborative research (Wu-Jung Lee)
 - Short Course and Hot Topics will be discussed in the current meeting.

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- We will have a meeting this week.

17. **ASA Books Committee** (Robin Glosemeyer Petrone)

The ASA Books Committee is looking for new book proposals for the ASA Press imprint by ASA members. Interested? Contact Committee Chair Mark Hamilton.

18. **Member Engagement** (Ana Jaramillo)

- New website <https://memberengagementasa.org/>
- Effective Negotiation and Difficult Conversations Skills and Strategies: Wednesday 11:15 AM to 12:45 PM (Lily Wang)
- Early career travel awards, not many applicants

19. **Archives and History**

II. **TCAA Subcommittee Reports**

1. **Speech Privacy** (Ken Good)

The committee will be meeting virtually, December 16th.

The San Diego meeting hosted a special session / Interdisciplinary Tutorial

- 5aAA1: Christen Stilp “How”: The connection between acoustics and perception
- 5aAA2: Melissa Baese-Berk “What” perception of sound is words
- 5aAA3: Tessa Bent “Who” perception of talker properties

The Subcommittee continues to refine speech privacy and how this can be applied in application.

On a related note WG44 (S12.70 Speech Privacy in Healthcare) will be meeting in January (TBD)

2. **AIA/CEU Course** (Ken Good)

We have received many inquiries about presenting this course virtually. We have explored this and unfortunately the answer is no.

- The course is setup with AIA as an in person course and the AIA credit requires attendance from start to finish.
- The ability to record virtual meetings will compromise the copywrite protections of the course

To qualify to present the course you must be:

- A member of the ASA
- A member of TCAA
- Completed the presenter’s course

A presenters’ course was scheduled for the Chicago meeting last spring.

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Our next opportunity may be the Denver meeting, spring 2022

3. **Sustainable Acoustics** (Eddie Lau)
 - No Update
4. **Concert Hall Research Group** (Robin Glosemeyer)
5. **Healthcare Acoustics Subcommittee** (Gary Madaras)
Nothing to report. Inactive.
6. **Classroom Acoustics** (Dave Woolworth)
7. **Newman Student Award Fund** (Ian Hoffman, Robin Glosemeyer, Michelle Vigeant)
8. **Student Design Competition** (Robin Glosemeyer-Petrone)

Section Three: New Business and Meeting Planning

I. New Business

II. Planning of Future Meetings

- **180th Meeting**, Virtual Spring 2021
 - **Special Sessions**
 1. Sound in cultural contexts: human soundmaking and perception in built and unbuilt environments (David Lubman, Myriam Kolar)
 2. Acoustics in Coupled Volume Systems (Michael Vorländer, Ning Xiang)
 3. Architectural Acoustics and Audio: Even Better Than the Real Thing (Tony Hoover, Alex Case)
 4. Current state-of-the-art and future paradigms in acoustic measurement and testing (Ron Sauro, Jim Degrandis)
 5. Status of the combination of ray tracing and wave field simulation tools (Wolfgang Ahnert, Ana Jaramillo)
 6. Recording and Production Spaces (Joint with: ASA Committee on Standards) (Ronald Eligator)
 7. Back to Basics: Skill-Building Seminars (Eric Reuter, Ana Jaramillo)
 8. International Year of Sound Potpourri (Michael Vorländer, Mark Hamilton, Keeta Jones)
- **181th Meeting**, Seattle, WA Fall 2021
 - **Finalize Special Sessions**
 1. Indoor Environmental Quality (Eric Reuter)
 2. Restaurant Acoustics (Brigitte Schulte-Fortkamp)
 3. Opera pit acoustics (Robin Glosemeyer, Brian Corry)
 4. AIA CEU Presenters Course Training Session (Tony Hoover, Bennett Brooks, Ken Good)
- **182st Meeting**, Denver, CO: Spring 2022
 - **Preliminary Special Sessions**
 1. Courts and Municipal Buildings (Joint with: ASA Committee on Standards, Noise) (Jessica Clements, open for co-chair?)
 2. Acoustics of music education facilities: Case studies (Lauren Ronsse, Martin Lawless, Jonathan Weber, Shane Kanter, David Carreon-Bradley)

III. Technical Initiatives – Reports and Renewals

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- Note: Technical Initiatives are meant to inspire and support innovative ideas. Suggestions for appropriate investments in outreach, education, and other ASA activities are encouraged. TIs do not automatically roll over.
- **Discretionary Funds:**
 - \$5000 annually, can be used to assist Invited Speakers, Student Paper Awards
 - AIA CEU ongoing

Meeting Adjournment
