

# TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

Fall meeting of TCAA AGENDA

Tuesday, November 28, 2023 7:30 PM (CDT)

Chair: **David Woolworth**

Zoom (virtual meeting)

Chair-Elect: **Matt Golden**

In Attendance: TBD

## Section One: Welcome and Acknowledgments

### I. Welcome and Introductions

- Attendance form: your attendance will be logged by the meeting app.
- [https://docs.google.com/forms/d/1NU5Ti2GRgs2YEc\\_vLYOb3W5qCs016-LS5kHVb4vcyk4/viewform?edit\\_requested=true](https://docs.google.com/forms/d/1NU5Ti2GRgs2YEc_vLYOb3W5qCs016-LS5kHVb4vcyk4/viewform?edit_requested=true)
- Attendees are encouraged to become TCAA members if they are not already.
- Introduction to TCAA (students)

### II. Previous Minutes

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

### III. Acknowledgments

- **Marcia Isakson, ASA; Jeff Parnell, AAS** (General Chair)
- **James Miller, ASA; Benjamin Halkon, AAS** (Technical Program Chair)
- **WESPAC Representative: Marion Burgess**
- **David Manley** (rolling off after Sydney) **Brandon Cudequest & Winter Saeedi** (TCAA TPOs)
- Session Chairs: **Lucky Tsaih, Wei-Hwa Chiang, Michael Vorlaender, Densil Cabrera, Robin Glosemeyer-Petrone, Benjamin Shafer, John Davy, Wilson Byrick, Tony Hoover, Alexander Case, Ning Xiang, Lamberto Tronchin, Angelo Farina, Jin Yong Jeon, david woolworth, David Manley, Bennett Brooks, Brigitte Schulte Fortcamp, Winter Saeedi, Brandon Cudequest**
- Presenters: 96 papers in 12 sessions (approximate)
- **Sean Browne** (Webmaster)

### IV. Congratulations!

## TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

- New Fellows (none)
- **Beranek Scholarship**
  - Zane Rusk 2023, Penn State
- **Winker Scholarship**
  - Greg Hernandez 2023, University of Rochester
- **Student paper award winners**
  - 1st place - TBD
  - 2nd Place – TBD

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THIS SECTION OF EC BUSINESS TO BE CONDUCTED IN SYDNEY AND  
MAILED/POSTED TO TCAA MEMBERS NOT ATTENDING

### v. **Chair's Report**

1. **Editor in Chief (Jim Lynch)**
  - JASA IF 2.48. Special issues have contributed to this success. See JASA dashboard - impact factor is 2.83 for TCAA (2.48 ASA), new IF update in June.
  - [Across Acoustics](#) is the official podcast of the Acoustical Society of America's Publications' Office
  - JASA Reflections – will be republishing old articles
  - ASA Propagations: the blog of the ASA
    - i. <https://acoustics.org/introducing-propagations>
2. **POMA (Megan Ballard- Editor of the Proceedings of Meetings)**
  - Publishing a proceedings article in POMA based on a presentation or poster from an ASA meeting is included as a benefit of the ASA registration fee.
  - However, POMA remains underutilized by ASA members, with only about 10% of authors submitting POMA articles.
  - There is a Student POMA competition.
    - Up to 5 papers will be awarded \$300. See the [ASA Chicago Meeting page](#) for more information
3. **ASA President (Peggy Nelson)**
  - ASA is reviewing administrative committees. It will take a couple of years to go through all.

## TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

### 4. **Committee to Improve Racial Diversity and Inclusivity – CIRDI (Peggy Nelson)**

SURIEA (Summer Undergraduate Research or Internship Experience in Acoustics) has 7 new folks for the summer and suggesting outreach to HBCU's (Historically Black Colleges and Universities) by TC members to spread the word. Also reaching out to those with no direct route of access to acoustics, Chicano, Native Americans, women in engineering, STEM job boards, and minority institutions.

### 5. **Meetings (and pilot virtual meeting) DISCUSSION**

- networking/time zones/students-senior members/doesn't have to look like a normal meeting- need to set expectations and intent (access, environmental concerns, positive)/technical things that are difficult to do in person-lightning sessions-panels-alternative to hybrid registration fees-group registration-lab rate-company rate- high quality – recorded content-incentivize participation./things we can't do well/experiment
- Length of meeting-3 days? November? What are good days?
- EC TC councils are outside the online meeting
- What preparation is needed for successful sessions or other events. Pre-recorded? Chair prep? Organization?
- Keep in mind that whatever we want to do needs to be determined by Sydney.
  
- **Comments on Virtual Conference**
  - Computer based/software-based things, audio simulations will drive some preparation on the attendee end.
  - Audio quality must be good.
  - few slides (shorter presentation) and a discussion
  - Requested limited to 3 days.
  - Extended mid-day break
  - Suggest pre-recorded, access to sessions after, record the live sessions.
  - Accommodate international contributors.
  - Encourage communication between presenter and audience.
  - Suggesting Mon, Wed, Fri
  - Make sure it is done right
  
- **General Meetings Comments**
  - suggested vetting to help shorten the meetings
  - consolidation of sessions.
  
- **Comments on this meeting?**
  - Food at the Tuesday social was less than ideal.

## TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

Add escalators between floors – Michael V.  
Solution Showcase was poorly located and poorly timed.

### 6. **Other**

- In Memoriam:  
[Richard Raspet](#)

## Section Two: Committee and Subcommittee Reports

### I. ASA Committee Reports

#### 1. **Membership (Damian Doria)** reappointed

- Membership is doing well overall, with 8 new Full Members in the last 6 months identifying TCAA as primary or secondary interests.
- If anyone is an Associate ,or Student Member who is soon ineligible to continue as student status, consider applying for Full Membership. Associate Membership is currently \$50 less per year than Full Membership. After 5 years as an Associate Member, your dues increase to the same as a Full Member, so there's no savings long term. Associates who've been in the Society for more than 5 years still must fill out a short application to be approved for Full Membership. You must be a Full Member to be eligible to vote or become a candidate for ASA elected offices. Of course, all of you want to have a vote in the electoral process even if you're not ready to volunteer for elected service to the Society. So, go apply now. Thank you to all the Full Members and Fellows for your ongoing support and participation in the Society.

As a side note, I'm not sure if/when my Membership Comm term is up, but I'd love to roll off. If TCAA can find an interested party most of the work is minor and concentrated just before the Membership Committee meetings twice a year. Basically, you review the applications for Full Membership to see if a candidate in the AA field is ineligible for some reason and request more info if necessary. For reference, I've had one that needed more info than provided in the application and they provided it and were accepted. So, not a challenging task. Fellow nominations are a little more work but we have had 1 to 3 per year to present to the Committee. It involves taking the nomination letters and nominee's CV and adding information to a summary for the Committee members using a template the Committee has developed in recent years. Then, at the meeting we present the candidate briefly to the Committee members who should have reviewed the summary prior to the meeting. There's some discussion and the Committee votes. It helps to spend a bit of time becoming familiar with your candidate's qualifications, but aside from that, there's not a lot of work involved in the Fellowship process either.

## TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

### 2. Meetings (Damian Doria)-

Membership Committee update is positive. We've had a steady trickle of Fellows within TCAA and I know there are others under consideration for future committee meetings. Watch the meeting program for new Fellows and give them your support and congratulations.

### 3. JASA (Ning Xiang)

- No report received

### 4. JASA-EL Associate Editor (Ning Xiang) No report received

### 5. Publications Policy (Eddie Lau)

- No report received

### 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.

POMA holds a series of society-wide student paper competitions for a POMA submission based on a presentation or poster from ASA meetings.

Award Amounts: Up to five student papers will receive an award of USD \$300.

Additionally, the student paper winners will be noted on the POMA cover page and their article will be promoted in email and social media campaigns.

Mechanics: Student authors will indicate they want to participate in the competition at the time of submission.

Timeline: The competition deadline is 11:59 pm Eastern Standard Time, 30 days after the meeting.

### 7. Women in Acoustics (Kaitlyn Hunt/Ana Jaramillo)

No report

### 8. College of Fellows (Tony Hoover)

- Ed Walsh (TC Animal Bioacoustics) and has taken over as Chair of The College of Fellows Steering Committee. Many Thanks, Ed!
  - There has been discussion regarding the process of nominating and confirming ASA Fellows. A summary with more information was generated by members of the College of Fellows, Membership Committee, and others. A draft

## **TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)**

summary was distributed on 26 April; a more complete version was available shortly thereafter.

### **9. Regional & Student Chapters (Ana Jaramillo (+ken Good?))**

- The Committee on Regional and Student Chapters met on 11/14. There haven't been any new Chapter requests since last May. Please check the committee's bulletin board during national meetings to see recent activity and information about creating new chapters. The committee will be looking for a co-chair in 2024 when Evelyn Hoglund steps down (Ana remains as co-chair). The committee is working on strengthening outreach and diversity through the chapters' activities.
- Reminder: in order for the CRSC webpage to stay current with chapter information, please share links and contact information with Dan Farrell.
- Each chapter can now manage their offices and contact lists
- Chapters should still plan to send updates to Keeta for social media throughout the year.
- New Chapter submittal package for the committee to review. (University of Rhode Island)
- Royster Competition: 2024 North Carolina expressed interest. Nebraska expressed interest for 2025.

### **10. ASA Jam (Tony Hoover)**

- The Jam will be held Tuesday evening 05 December, 8pm to midnight, at the Foundry 616 Jazz Club, which is near the Sydney meeting site. Many thanks to Dave Woolworth who represented ASA essentially single-handedly for all of the arrangements!

### **11. Medals and Awards (Tony Hoover)**

- We congratulate our friend/colleague Peter D'Antonio, who will be awarded the high honor of the 2023 ASA Wallace Clement Sabine Medal, "for contributions to theory, design, and application of acoustic diffusers." The full encomium should be available through ASA soon.

## TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

- There also various other awards. All of the salient information is on the ASA website, in case you may be pondering a nomination dossier. Feel free to contact me with questions.
- Ron is subbing for Tony at upcoming MAC meeting, and because of his years of excellent work on CoF.

### 12. Standards (Derrick Knight)

- No report received

### 13. Practitioners and Industry (Derrick Knight)

- No report received

### 14. Student Council (Olivia Heui Young Park)

- No report received

### 15. Panel on Public Policy (Eric Reuter)

- No report received

### 16. Education (Jim Degrandis)

- **EDCOM met virtually on November 15th.**
- **At the May 12, 2023 meeting of the Executive Council, the EC voted unanimously to begin the process of converting EDCOM into a Technical Specialty Group as the next step toward becoming a full-fledged Technical Committee.**
- **On December 3, 2023 at the ASA Sydney meeting, the Executive Council will formally vote to:**
  - Sunset the current Administrative Committee on Education in Acoustics
  - Establish a new Technical Specialty Group (TSG) on Education in Acoustics (ED)
  - Establish a new Administrative Committee on Outreach and Education(... **effectively dividing EDCOM into a Technical and an Administrative committee.**)

## TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

- **ED will begin functioning as a Technical Specialty Group at the ASA 186 Ottawa Meeting.**
- ED will operate as a Technical Specialty Group for three (3) years
- Must obtain support of 2% of the individual ASA membership (select ED as their 1st, 2nd, or 3rd choice)
- Continue organizing special sessions and other functions as we have been doing.
- TSG is not represented on Committee on Medals and Awards, Membership Committee, Student Council, or ASACOS.
- TSG is not eligible for technical area awards of the Society but may encourage the timely preparation and submission of dossiers for Fellowship of the Society.
- **(This is the same process which Computational Acoustics TSG recently completed to become a TC.)**
- **Administrative Committee on Outreach and Education will begin operating at ASA 186 Ottawa**
- Membership of this new admin committee will be appointed by ASA president
- The function and role of the Administrative Committee on Outreach and Acoustics Education would be to assist and advise the full-time ASA Education and Outreach Coordinator (Keeta Jones)
- The Administrative Committee on Outreach and Education would answer directly to the Administrative Outreach Council, and then to the Executive Committee.

### **17. Tutorials, Short Courses, Hot Topics (Eddie Lau)**

- No report received

### **18. ASA Books Committee (Robin Glosemeyer Petrone)**

- No report received



## TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

### 19. Member Engagement (??)

- Ana's Term has ended
- **Laura Brill** and **Sunit Girdhar** expressed interest.

### 20. Archives and History

- No Report or representative.

## II. TCAA Subcommittee Reports

### 1. Speech Privacy (Ken Good)

- [\\* The TCAA Speech Privacy Subcommittee will be meeting on November 29th 2:00pm \(eastern\).](#)
- Members should have received a notice through basecamp. If you did not receive notice or would like to be connected through basecamp, please contact me.
  - [kwgoodjr@armstrongceilings.com](mailto:kwgoodjr@armstrongceilings.com)

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

- To qualify as a presenter, you must be a member of ASA. A member of TCAA, and have completed the TCAA CEU Training Course. The last course was TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA) 12 offered at the 181st meeting (Seattle).
- The next course will be offered in Ottawa (spring 2024). There is not an official "expiration" for qualified presenters, however if it has been a while since you attended the presenter's session or a while since you presented this course, I would encourage you to attend the session in Ottawa.
- Usage is health with an average just over one course offered per month.
- A frequently asked question continues to be about remote or virtual presentations. This is an IN-Person course and may NOT be presented virtually for several reasons. Among them are, this is copy written material, course integrity, course intent.

### 3. Sustainable Acoustics (Lucky Tsaih)

- Meeting in November 2023. new people from ASA and EAU.
- Sustainable Acoustics  
The current TCAA Subcommittee website for Sustainable Acoustics needs to be activated first ([Subcommittees | Technical Committee on Architectural](#)

## TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

[Acoustics \(tcaaasa.org\)](http://tcaaasa.org)) and be updated for the green and well building ratings info, projects, products, and research papers.

- Hybrid special paper session in the 186th Meeting, Ottawa, Canada 13-17 May 2024. Session proposed for 187<sup>th</sup> ASA-ICA New Orleans
- Please participate this subcommittee by signing-up the link, (<https://forms.gle/QXZ3NBZhHoesayQ67>)



### 4. Concert Hall Research Group (Robin Glosemeyer)

- No report
- Previous report
  - Looking for new blood to help get CHRG moving again, and looking to verify approved funds for taking annual measurements (equipment).

### 5. Healthcare Acoustics Subcommittee (Jo Solet)

- **No report, Jo on medical leave**

### 6. Classroom Acoustics (Dave Woolworth)

- Nothing to report, however S12.60 is looking closely at the use of average absorption vs. reverberation time in order to address both clarity of speech and noise buildup.

### 7. Newman Student Fund (Lily Wang)

- No report received.

## Section Three: New Business and Meeting Planning

### I. New Business

- Knudsen lecture (new process, **David Lubman** rolling off)- we are soliciting suggestions.
  - While a final decision was not made on how to continue, we are entertaining a committee of current and past two TCAA chairs to

## TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

determine Knudsen lecturers. The committee can solicit suggestions from TCAA to create a pool of candidates.

### II. Planning of Future Meetings

- 186th Meeting, Ottawa, Canada, – 13-17 May 2024
  - Tentative Special Sessions
    1. Building envelope sound insulation **Lucky Tsiah, Joe Keefe**
    2. Memoriam session for Jerry Kristoff (**Samantha Rawlings**) **Needs approval**
    3. Show your data (**Bruce Olson Ana Jaramillo**)
    4. Mass timber (**David Manley, Evelyn Way**)
    5. Classroom Acoustics (**Pasquale Bottalico, Dave Woolworth, Benjamin Tucker**)
    6. Meta surfaces for Absorption and diffusion. (**Ning Xiang and Peter D'Antonio**)
    7. AI and machine learning (Joint with Noise, computational) **Semiha Yilmazer**. – repeat title.
    8. Presentation of historic papers. (**Michael Vorlaender** and James Phillips)
    9. Soundscape - **Noise Primary Sponsor**
    10. Airborne and Impact Noise Transmission in Buildings. (**Matt Golden, Ben Shafer, Sunit. Garhard**)
    11. Training for AIA (**Tony Hoover and Bennet Brooks**)

### Proposed Tours

- Tech tour for NRCC
- National Arts Center tour
- Temporary relocation of the House of Commons of the Canadian Parliament in Ottawa. It was a very interesting acoustic project. Lots of modeling, interesting acoustic design solutions, testing, collaboration with sound system designer, peer review, etc. (submitted Ron Elligator)
- 187th Meeting – Virtual, fall 2024
  - Modeling Techniques and computer tools – (**Laura Brill & Ana Jaramillo**)
  - Case Studies for HVAC – heat pumps
  - Reproducibility in Architecture (**Ben, Mike, Evelyn**)
  - Overview of current sustainable acoustics practices, (**Arthur van der Harten Adam Bettcher**)
- 188<sup>th</sup> Meeting New Orleans 19-23 May 2025 ICA-ASA joint conference
  - At the intersection of Speech and Architecture (**Ken Good , Pasquale Bottalico, Evelyn Hoglund**)

## **TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)**

- Sustainability and Acoustics (**Arthur van der Harten Adam Bettcher**)
- ISRA International Symposium on Room Acoustics follows ICA-ASA in New Orleans, tentatively May 26, 27. We are looking for volunteers to help with the coordination of the meeting logistics and the technical program.
  1. The first day is tentatively joint with music (ISMA) and will focus on the interaction of musicians and rooms.
- 189<sup>th</sup> Meeting ????

### **III. Technical Initiatives – Reports and Renewals**

- 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
  - 41% CIRDI (Section 1.V.7 above)

### **Meeting Adjournment**

## ASA Fall 2024 Virtual Meeting

[December 2023]

**Overarching meeting theme**    Grand challenges in acoustics

**Overarching strategic goals**    Inclusion and visibility: Attract new and bring back old eyeballs.

### Guiding principles for planning TC-led activities

*Visibility*    Prioritize opportunities for students and early career acousticians to showcase their work.

*Accessibility*    Prioritize opportunities for attracting attendees who do not usually attend ASA meetings.

*Variety*    Sessions with various formats to accommodate multiple preferences and proclivities.

### Schedule of synchronous activities and sessions

	M	T	W	Th	F
AM (10:00 am – 12:00 pm EST)	Administrative meetings	TC-led activities (1)	TC-led activities (3)	TC-led activities (4)	Administrative meetings
PM ( 3:00 pm - 5:00 pm EST)	All-society: opening / kick-off	TC-led activities (2)	All-society: plenary, keynote	TC-led activities (5)	

### \*Time zone converter

HONOLULU	LOS ANGELES	NEW YORK (EST)	PARIS	TOKYO	SYDNEY
4:00 am - 6:00 am	7:00 am - 9:00 am	10:00 am - 12:00 pm	4:00 pm - 6:00 pm	11:00 pm - 1:00 am	12:00 am - 2: 00 am
9:00 am - 11:00 am	12:00 pm - 2:00 pm	3:00 pm - 5:00 pm	9:00 pm - 11:00 pm	4:00 am - 6:00 am	5:00 am - 7:00 am

### TC-led activities

Session Type	Description	Submission notes
A: Traditional special session	120-minute sessions with 20-min papers, 15-min papers or a combination (including Q&A) with or without chair’s introductions or panel discussions.	Organizers specify paper durations and whether to accept abstract submissions.
B: Lightning round	Chair’ Introduction, 8 5-minute presentations, 2 15-minute discussion periods	Google doc with contributor names and titles only. Later sign-up date
C: Panel	Up to two hours	Invited only.
D: Activity	E.g., hackathons, trivia competitions, games, joint problem-solving, challenges with break-out groups	Organizers specify activity details and whether to accept abstract submissions.
E: Webinar	Other attendees are unknown, no live interaction other than chat (possible live interaction via Zoom)	Invited only.

## TC-led activity planning

For each of the 5 TC-led activities, enter the following in the google form on Basecamp:

1. Session title
2. Session organizer(s)
3. Short description
4. Session type. For Types A and D only: Please specify if abstracts will be accepted?

Please be sure to confirm all points with the session organizer(s) before entering.

## Planning timeline

At Sydney meeting:	TC's converge on specific plans for 5 sessions and select session organizers.
After Sydney meeting:	TC's develop their plans with session chairs
Ottawa meeting:	Session framework should be in place by Ottawa. All sessions finalized and ready for call-for abstracts shortly after Ottawa

## Some Q&A:

*Q: What about tentative special sessions that were already submitted?*

*A: TC chairs may alter or amend these tentative session to fit into the virtual session types. Alternatively, they may choose to postpone a given session for a later in-person meeting.*

*Q: Is the schedule flexible?*

*A: In order to accommodate time zone issues, we plan to stick to the schedule as specified in the table. The goal is to make the meeting "more workable for more people."*

*Q: Will authors be limited to one abstract submission?*

*A: Authors will be limited to one submission for sessions that accept abstract submissions (Types A and D only).*

*Q: How should TCS address the goal to "Prioritize opportunities for students and early career acousticians to showcase their work"?*

*A: TCs are encouraged to prioritize students and early career acousticians in at least one session.*