



Spring 2022 Denver

Minutes for the Open Meeting of the Technical Committee on Noise

Thursday May 26, 2022, 7:30 PM MDT (GMT-6)

To increase and diffuse knowledge of noise generation and propagation, passive and active noise control, perception and the effects of noise, and the management of exposure to noise. Activities of the Committee embrace the practical and theoretical aspects of noise in all areas of acoustics.

Hybrid Meeting with Zoom participants

Zoom meeting hints:

Everyone mute, use “raise hand” and chat. (Don’t forget to put hand down)

Attendees

All zoom participants, please type your name in chat for a record of attendance.

Sign-in sheet for in-person attendance

Welcome & Introductions

- Students and first-time attendees
 - Name, institution, advisor (if applicable), area of study

Thank you to Dana Hougland, Chair of Organizing Committee for this meeting!

REPORTS

Membership (Bonnie Schnitta)

- Online form for associate members to become full members:
<https://acousticalsociety.org/wp-content/uploads/2019/04/fullapp.pdf>
- Info on website on fellow nominations. 2 of 3 nominators must be fellows
 - <https://acousticalsociety.org/fellows-of-the-society/>
 - <https://acousticalsociety.org/procedures#fellowship>

Medals & Awards (Eric Reuter)

- Not eligible for silver medal for a few years
 - Start thinking about candidates
- Paul Schomer won most recent award

Young Investigator Awards (Alexandra Loubeau, Hales Swift)

- Google form
 - Use QR Code
- Thank you to session chairs and volunteer judges!
- Looking for volunteer to lead this for Nashville and beyond
 - Mike Raley
- Eligibility rules?
 - Within 3 years of terminal degree? Ask Elaine.
 - \$500 per TC per meeting
- Early Career. We can choose how many years from terminal degree.
 - Early Investigator
 - Student and recent graduate
 - STAEC
 - Student and early career award

Education in Acoustics Liaison

- Do we have a rep?
 - Andrew Barnard (already doing this for SA)
- Any interest in co-sponsoring a special session in the future that is focused on education topics directly relevant to TC Noise?

Student Council (Kenton Hummel)

- ASA School: 60
- First Time Attendee/Student Orientation: 60
- Student Meet and Greet: 134
- Student Informal Outing: 40

Regional & Student Chapters (Ken Good)

- Chapters had a virtual meeting last Wednesday, May 18
- The wearable SLM are a fun opportunity for your chapter to add interest and engage the general public (see more info later in agenda)
- Key topics of discussion were the official process for “parking” inactive chapters.
 - a. Contact chapter chairs to check status or initiate new chapter
- As always, Chapters are a great way to bring the Society meeting home and engage folks who could not or would not attend the Society meeting. They also serve as opportunities to coordinate with other organizations such as AIA, AES, for example.

- Consider how your chapter can support “Task Force B” (Better Engagement of Industry and Practitioners).

ASACOS (Rich Peppin)

- Finances: ASACOS is working on finances and have tentatively reviewed dues structure, especially reducing fees for smaller companies.
- ASACOS schedule: Proposed schedule will make ASACOS Steering and ASACOS meeting virtual before the meeting and all other standards meetings will take place, in-person and virtual, on one day (Tuesday).
- Discussion on ASACOS outreach and cooperation.
- (Ken Good) Working Group 44 is meeting twice a month as we refine revisions to the S12.70 American National Standard Criteria for Evaluating Speech Privacy in Healthcare Facilities.
 - a. Join working group
 - b. Talk to Dave Woolworth
- Derrick Knight will be our new rep
- Steve Lind is new standards director

College of Fellows (James Phillips, Tony Hoover)

- Provide 2 tickets for each TC for students for luncheon
 - a. Encouraged to volunteer as host
 - b. TC chairs encouraged to host
 - c. Do not need to be a fellow
 - d. Sign up when you register
- Challenge of completing list of full record of present and past fellows
 - a. Completed list
 - b. Organizing on the website
 - c. Plan of making article about process and ASA history
- Thanks to James for cochairing

TC Noise Web Page (Hales Swift)

- Up to date

Journals (Jim Lynch, Charlie Church, Megan Ballard, Art Popper)

- JASA (Jim Lynch)
 - a. Associate Editors for Noise
 - i. K.V. Horoshenkov (Coordinating Editor)
 - ii. A. Agarwal, J. Cheer, S. Fidell, Y. Jing, D.S. Michaud, W.J. Murphy, A.T. Wall
 - b. Impact Factor expected to go above 2 in June
 - c. Special Issues are popular
 - i. Available for free for one year
 - d. Continuing to reduce expenses and increase revenue

- JASA Express Letters (Charlie Church)
 - a. Associate Editors for Noise: S.-K. Lau, A. Loubeau, T.B. Neilsen
 - b. Submissions and downloads are way up from 2021 after transition to gold open access
- POMA (Megan Ballard)
 - a. Associate Editors for Noise: Cameron Fackler, William Doebler
 - b. Student Paper Competition (deadline June 27, 2022)
 - i. Must be student and first author
 - ii. 5 awards across the society
 - iii. More info on meetings page
 - iv. Due June 27 2022
 - c. **See slides and flier**
- Acoustics Today (Art Popper)
 - a. New sonic boom AT Collection <https://acousticstoday.org/sonic-boom-noise/>
 - b. Feel free to propose one in your area!

TECHNICAL INITIATIVES

Previous/current initiatives

- Wearable Sound Level Visualizer for International Year of Sound and Beyond (Eric Reuter, David Woolworth)
 - a. Request \$1500 to cover expenses? Previous funding was not spent.
 - i. Approved unanimously
 - b. Battery powered
 - c. 9 are made going to chapters
 - i. Useful for community outreach
 - d. Code is on github
 - e. Goal to distribute buildable kits



- Digitize Chuck Ebbing archive (Brandon Cudequest)
 - a. <https://tcnsasa.org/ebbing-library/>
 - b. Website still in beta, contact Brandon for password for early access
- Urban design with sound in mind (Gary Siebein, Kerrie Standlee, David Woolworth)
 - a. Outreach to public and land use planners of American Institute of Architects (AIA) <https://www.aia.org/>
 - b. 4 hour coherent presentation
 - i. Including soundwalk and soundscape
 - c. Slated for Nashville
 - d. Consider packaging online in future
 - e. Consider reaching out to transportation research board
 - i. For participants
- Invited speakers for Denver and Nashville. Modest honorarium through a separate fund from Technical Council.

New technical initiatives

- Due at the Fall meeting. First \$2000 requested by TC can be automatically approved. <https://forms.gle/oCTFiYec2F1TkAYPA>
- Commemorate first centenary of sound measurements using acoustic instruments (Walter Montano) (ASA/ICA New Orleans 2025)
 - a. Working with ASA archives history committee
 - b. Planning to contact ICA
 - i. David Woolworth has contact
- Pamphlet on S12.100 for public and private sectors (Davyd Betchkal)
 - a. Not requesting funds
 - i. Consider funds for advertisement
 - b. Methods to Define and Measure the Residual Sound in Protected Natural and Quiet Residential Areas
 - i. Plan for 5 page practitioner handbook
 - ii. Contact ASA Standards
 - c. Approved by Task Force B: Better Engagement of Industry and Practitioners

OTHER

Committee to Improve Racial Diversity and Inclusivity (CIRDI) (Tyrone Porter and Peggy Nelson)

- Summer Undergraduate Research or Internship Experience in Acoustics (SURIEA)
 - May 31 – August 13; in-person
 - Funded 10 students
 - Looking for more mentors in the future
 - Acoustics short course in June 2022 (Chicago). Eric Reuter, Kim Riegel instructors
- Other events at this meeting

IEQ-GA joint subcommittee (Eric Reuter)

- Indoor Environmental Quality Global Alliance <https://ieq-ga.net>
- Podcast with Gary Siebein

Restaurant Acoustics (Brigitte S., Eric Reuter)

- Prepare a draft position/policy statement on restaurant noise (Nashville)
- Develop a proposal to rate restaurants on the basis of sound levels

Opportunity to review a book (Philip Marston)

- Acoustical Materials: Solving the Challenge of Vehicle Noise
- Book review to be published in JASA (2 pages)
- Contact Phil at marston@wsu.edu

Volunteer to become a member of the Noise TC

- Can indicate interest in becoming a member of TC by December 1 annually. TC members are appointed each year at the spring meeting. You must be an ASA member to apply.
- <https://acousticalsociety.org/volunteer/>

No-show policy

- Being reviewed by Executive Council
- Intended to address situation where presenter repeatedly does not show and does not notify the session chair

Computational Acoustics is now an official Technical Committee!

MEETINGS

182nd Meeting Spring 2022 in Denver, CO

23-27 May 2022

TCN TPOs: James Phillips, Hales Swift, Aaron Vaughn

~850 participants

ASA School before the meeting

1. Standards, Codes, and Criteria: Applications in the real world (1aNS & 2pNS)
 - a. Tony Hoover
 - b. Derrick Knight
2. Rockets, Wind Turbines, and Other Topics on Noise (2aNS)
 - a. James Phillips
 - b. Hales Swift
3. Health Effects of Noise (4aNS)
 - a. Hales Swift
 - b. Lily Wang
 - c. (Ralph Muehleisen)

4. Soundscape and Virtual Reality (4pNS)
 - a. Arezoo Talebzadeh

183rd Meeting Fall 2022 in Nashville, TN - final sessions

5-9 December 2022

TCN TPOs: James Phillips, Hales Swift, Aaron Vaughn

Need coordination between NS and other TCs for session scheduling

1. Acoustics design of indoor and outdoor firing ranges, and protection from high level impulse noise
 - a. Bill Murphy
 - b. Alan Wall
 - c. Cameron Fackler
2. Community Impacts Associated with Entertainment Sound
 - a. Dave Woolworth
 - b. Brandon Cudequest
3. Flanking Paths: Finding them, Solving Them and Improvement in ASTC When You Do
 - a. Bonnie Schnitta
 - b.
4. Methods for Community Noise Testing and Analysis
 - a. Alexandra Loubeau
 - b. Andrew Mitchell
 - c. Aaron Vaughn
5. Jet and Launch Vehicle Noise (HYBRID!)
 - a. Alan Wall
 - b. Kent Gee
 - c. Caroline Lubert

184th Meeting Spring 2023 in Chicago, IL - need to finalize sessions

8-12 May 2023

TCN TPOs: James Phillips, Hales Swift, Aaron Vaughn

<https://forms.gle/G1BhQXKJaJyEkhto8>

List is probably too long! Consider moving your session to Sydney.

1. Post pandemic Soundscapes
 - a. Brigitte Schulte-Fortkamp
 - b. Bennett Brooks
 - c. How has soundscape theory and measurement changed due to pandemic shutdowns and reopenings
2. Wind Turbine Noise (Cosponsors: PP, ASACOS) *Consider AB
 - a. Norm Broner
 - b. David Michaud
 - c. Mark Bastasch

3. Machine Learning for Environmental Sound (joint with CA) *Reach out, consider computational
 - a. Andrew Mitchell
4. Validation of Exterior Noise Modeling
 - a. Eric Reuter
 - b. Joe Keefe
5. Incorporating Tones in Noise Criteria
 - a. Derrick Knight
 - b. Jerry Lilly
6. ~~Community Noise Impact on Entertainment Venues~~ *withdrawn
 - a. Dave Woolworth
 - b. Tony Hoover
7. ~~Sonic Boom~~ *withdrawn
 - a. Aaron Vaughn
 - b. Mark Anderson

Technical Tour of Riverbank Labs (joint with AA) organized by local committee

- c. Coordinate with Eric Wolfram
- d. Not an actual technical session
- e. Work with local organizing committee
- f. Bring up at Technical Council

[185th Meeting Fall 2023 in Sydney, Australia - need tentative sessions](#)

Joint with Australian Acoustical Society and WESPAC (Western Pacific Commission for Acoustics)

4-8 December 2023

TCN TPOs: James Phillips, Hales Swift, Aaron Vaughn

<https://forms.gle/At7btUwNREUKZg7YA>

1. Sonic Boom
 - a. Alexandra Loubeau
2. Measurement of low-frequency sound and standards
 - a. Walter Montano
 - b. David Woolworth
3. Noise Forensics: What's that Noise?
 - a. James Phillips
 - b. Dana Hougland
4. Jet and Rocket Noise
 - a. Kent Gee
 - b. Seiji Tsutsumi

Future Meetings

- 2024 Spring (May)
 - a. Memorial Session for Tony Embleton
 - i. Bennett Brooks
 - ii. Nicholas Sylvestre-Williams
- 2025 Spring (May), New Orleans (joint with ICA)

NEW BUSINESS

- Niosh Symposium
 - a. Considering funding to cosponsor
 - b. August 2023

Record zoom attendance from chat: 15

Number of attendees in person: 44 (~10 students)

Collect in-person attendance sheet

Adjourn: 9:34 PM