



## Fall 2021 Seattle

### Agenda for the Open Meeting of the Technical Committee on Noise

Thursday December 2, 2021, 7:30 PM PST (GMT-8)

*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

<https://us06web.zoom.us/j/88571079858?pwd=T0FSaTNQTSswcGsrZmFydVByWlhWUT09>

Meeting ID: 885 7107 9858

Passcode: 198667

One tap mobile

+16465588656,,88571079858#,,,,\*198667# US (New York)

+13017158592,,88571079858#,,,,\*198667# US (Washington DC)

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

- Big thank you to **James Phillips**, who was Chair of the TC on Noise for 2018-2021
- Students and first-time attendees
  - Name, institution, advisor (if applicable), area of study

#### REPORTS

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

- <https://acousticalsociety.org/committee-to-improve-racial-diversity-and-inclusivity/>
- Tyrone Porter keynote address
- Summer Undergraduate Research or Internship Experience in Acoustics (SURIEA)
  - 170 students applied
  - 68 mentors applied
  - Funded 16 students
  - 8 SURIEA students at Seattle meeting, presenting in Denver
  - Applications open for 2022. Will be posting mentor opportunity soon.

### Membership (Bonnie Schnitta)

- Online form for associate members to become full members:  
<https://acousticalsociety.org/wp-content/uploads/2019/04/fullapp.pdf>

### Medals & Awards (Eric Reuter)

- 6 silver medal awards
  - Paul Schomer. Silver medal to be awarded at a future meeting.
- 2024 is when noise is eligible again for a silver medal

### Young Investigator Awards (Bill Murphy, Frank Mobley)

- Two awards for Spring 2021 Acoustics in Focus. Congratulations!
  - Arezoo Talebzadeh, Univ. of Ghent, Belgium
  - Hilary Kates Varghese, Univ. of New Hampshire
- New google form
- Judging of POMA papers instead of presentations in the future?
  - Concerns about publishing elsewhere first and not being able to re-publish in POMA after a presentation
  - Benefit of having hard copy to judge more fairly
  - Presentation award important as presentation skills are a part of the field
  - Combining or having a separate POMA competition would be overly complicated
  - No consensus

### Student Council (Kenton Hummel)

- First time attendee orientation: 120
- Student meet and greet: 100
- Student outing: 40

### Regional & Student Chapters (Ken Good)

- The CRSC Team met November 19th
- We welcomed new chapters San Francisco (regional) and Illinois Champaign/ Urbana (student).
- CRSC continues to review its process for dormant chapters.
- Focus on improving CRSC web presence and sites for each chapter.

### College of Fellows (James Phillips)

- Searchable database
- Acoustics Today article about the database
- Working on pairing of host and guest
- Archiving presentations from society luncheons

### TC Noise Web Page (Hales Swift)

- No report

### Technical Initiatives

- Previous initiatives
  - Wearable Sound Level Visualizer for International Year of Sound and Beyond (Eric Reuter, David Woolworth)
    - Has this completed?
      - Yes. No more funding needed.
    - Demonstration by Eric
    - Plan for outreach and to draw up guidelines
    - All open access
    - Great for a local chapter
  - Digitize Chuck Ebbing archive (Brandon Cudequest)
    - Has this completed?
      - Yes
    - 10,000 pages scanned
    - Plan is to work with Hales to put on the TCNS website.
- New technical initiatives due Friday. First \$1500 requested by TC can be automatically approved.
  - Invited speaker(s) for Nashville special session on community noise testing (Alexandra Loubeau)
    - Separate fund exists for this (from Technical Council)
    - Up to \$500 each (honorarium)
  - Commemorate first centenary of sound measurements using acoustic instruments (Walter Montano)
    - Proposed for New Orleans ASA/ICA meeting in 2025
    - Form a small informal group to brainstorm ideas for the commemoration activity, and propose the project at the Spring 2022 Denver TCNS meeting
    - Display of past equipment (Bennett Brooks, Kent Gee)
      - Acentech
      - Most of cost will be shipping
  - Urban design with sound in mind (Gary Siebein, Kerrie Standlee, David Woolworth)
    - Outreach to public and land use planners of American Institute of Architects (AIA) <https://www.aia.org/>
    - Meant to occur at multiple meetings, not just one

- Meant to serve as a class for HSW CEU (Health, Safety, and Welfare Continuing Education unit) credits for landscape architects and urban planners
- The CEU will be the in-person experience based on meeting location
- It will also be a digital download resource from TCNS website

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

- JASA (Jim Lynch)
  - Associate Editors for Noise
    - K.V. Horoshenkov (Coordinating Editor)
    - A. Agarwal, J. Cheer, S. Fidell, Y. Jing, D.S. Michaud, W.J. Murphy, A.T. Wall
  - Noise Impact Factor is above average of ASA
  - Want to see more special issues, like COVID-19 Pandemic Acoustic Effects
  - Across Acoustics Podcasts
- JASA Express Letters (Charlie Church)
  - Associate Editors for Noise
    - S.-K. Lau, A. Loubeau, T.B. Neilsen
- POMA (Megan Ballard)
  - Associate Editors for Noise
    - Cameron Fackler, William Doebler
  - **See slides**
  - Encouraged to submit
- Acoustics Today (Art Popper)
  - New AT Collections to help collect papers of related subject matter to facilitate access to information on specific topics. Sonic boom noise collection has been proposed. See <https://acousticstoday.org/acoustics-today-collections/>

### ASACOS (Rich Peppin)

- Standards Director position is open
- Corporate membership is down, but standards income is up.
- WG44 (\$12.70 Speech Privacy in Healthcare) continues to meet on a monthly basis. Anyone who would like to be part of this team can contact Ken Good ([kwgoodjr@armstrongceiling.com](mailto:kwgoodjr@armstrongceiling.com)).

### Strategic Plan

- Task A: Identification and Promotion of Emerging Scientific/Technical Areas
  - Chairs: Adam Maxwell, Subha Maruvada
  - TCN Rep: James Phillips
- Task B: Better Engagement of Industry and Practitioners
  - Chairs: Derrick Knight, Diane Kewley-Port
  - TCN Rep: Eric Reuter
- Task C: Improved Communications and Public Relations
  - Chairs: Matt Kamrath, Stan Dosso

- TCN Rep: Keeta Jones
- Task D: Member Engagement, Outside of Meetings
  - Chairs: Christopher Jasinski, Peggy Nelson
  - TCN Rep: Ralph Muehleisen

#### 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/>

#### MEETINGS

##### 181<sup>st</sup> Meeting Fall 2021, Seattle, WA

29 November -3 December 2021

Chair: Todd Heffner

Technical Chair: Aubrey Espana

TCN TPOs: James Phillips, Hales Swift (thank you!!)

1. Noise Issues in Modern Construction
  - a. Bonnie Schnitta
  - b. Nicholas Sylvestre-Williams
2. General Topics on Noise and Standards
  - a. James Phillips
3. Building Systems Noise and Vibration Control: Beyond ASHRAE Chapter 49
  - a. Brandon Cudequest
  - b. Joe Keefe
4. Jet and Launch Vehicle Noise
  - a. Alan Wall
  - b. Caroline Lubert
5. Military Jet Noise Measurements and Analysis
  - a. Caroline Lubert
  - b. Kent Gee
6. Aircraft Sonic Boom and Community Noise Assessment
  - a. Alexandra Loubeau
7. General Topics on Noise-Induced Hearing Loss and Protection
  - a. Hanna Kurdila
8. Sound Walks
  - a. Bennett Brooks
  - b. David Woolworth

##### 182<sup>nd</sup> Meeting Spring 2022 in Denver, CO - finalized sessions

23-27 May 2022

TCN TPOs: ~~William Murphy~~, James Phillips, Hales Swift. Any volunteers? Aaron Vaughn

ASA School before the meeting (early career within 5 years of terminal degree)

1. Health Effects of Noise
  - a. Hales Swift
  - b. Lily Wang
- ~~2. Low Frequency Sound Measurement and Its Standard/Limits~~
  - ~~a. Walter Montano~~
3. Noise Impacts from Outdoor Entertainment and Sports Spaces
  - a. Bonnie Schnitta
  - b. Sarah Taubitz
4. Soundscape and Virtual Reality
  - a. Ming Yang
  - b. Brigitte Schulte-Fortkamp
5. Soundscape in the Built Environment
  - a. Bennett Brooks
  - b. Brigitte Schulte-Fortkamp
6. Standards, Codes, and Criteria: Applications in the real world
  - a. Tony Hoover
  - b. Derrick Knight
7. Wind Turbine Noise (Cosponsors: PP, ASACOS)
  - a. Should this be on the list for Denver? None of co-chairs present for discussion, but it was decided to keep it on the Denver list.
  - b. Norm Broner
  - c. David Michaud
  - d. Mark Bastasch
  - e. Dana Lodico?

Discussion:

Climate change and sound: How the sound of the planet reflects the health of the planet (Gabe Venegas)

- a. Sponsored by Panel on Public Policy. Co-sponsored by Animal Bioacoustics, Acoustical Oceanography
- b. Is Noise TC interested in co-sponsoring this session? **See slide**
- c. Planned for Chicago. Contact Gabe to get involved.

**183<sup>rd</sup> Meeting Fall 2022 in Nashville, TN - [need to finalize sessions](#)**

5-9 December 2022

TCN TPOs: James Phillips, Hales Swift, Aaron Vaughn

<https://forms.gle/Hhdp44atKwzPaJAKA>

1. Measurement of low-frequency sound and standards
  - a. Walter Montano
  - b.

2. Community Impacts Associated with Entertainment Sound
  - a. Dave Woolworth
  - b. Brandon Cudequest
  - c. Sound related impacts of entertainment sound on communities: studies, analysis, solutions, non solutions and fantasies
3. Addressing Flanking Noise (this title will be updated)
  - a. Bonnie Schnitta
  - b.
4. Post pandemic Soundscapes
  - a. Brigitte Schulte-Fortkamp
  - b. Bennett Brooks
5. Acoustics design of indoor and outdoor firing ranges, and protection from high level impulse noise
  - a. Bill Murphy
  - b. Alan Wall
  - c. Cameron Fackler
6. Methods for Community Noise Testing and Analysis
  - a. Alexandra Loubeau
  - b. Andrew Mitchell
  - c. Aaron Vaughn
7. Jet and Launch Vehicle Noise
  - a. Alan Wall
  - b. Kent Gee

**184<sup>th</sup> Meeting Spring 2023 in Chicago, IL - [need tentative sessions](#)**

8-12 May 2023

TCN TPOs: James Phillips, Hales Swift, Aaron Vaughn

<https://forms.gle/bwhMs1CrHz6Cpz7x8>

1. Memorial Session for Tony Embleton
  - Bennett Brooks
  - Nicholas Sylvestre-Williams
2. Machine Learning for Environmental Sound (joint with CA)
  - Andrew Mitchell (andrew.mitchell.18@ucl.ac.uk)
3. Exterior Noise Modeling Investigation
  - Eric Reuter
  - Joe Keefe
4. Community Noise Impact on Entertainment Venues
  - Dave Woolworth
5. Sonic Boom Session
  - Aaron Vaughn
  - Mark Anderson
6. Noise Forensics: What's that Noise?

- James Phillips
- Dana Hougland
- 7. Incorporating Tones in Noise Criteria
  - Derrick Knight
  - Jerry Lilly
- 8. Tour of Riverbank Labs (joint with AA)?
  - Coordinate with Rich Peppin
  - Not an actual technical session
  - Work with local organizing committee

#### Future Meetings

- 2023 Fall, Sydney, Australia, December 2023
- 2025 Spring, New Orleans (joint with ICA)

#### NEW BUSINESS

- The Rest is Just Noise Podcast
  - Contact Andrew Mitchell
- Advisory Committee for IEQ-GA (Eric Reuter)
  - Subcommittee across AA and NS about how we participate
  - Indoor Environmental Quality-Global Alliance
  - Approved to have TCNS involved in subcommittee

Record zoom attendance (14):

Ken Good, Jerry Lilly, Fernando J Elizondo, Derrick Knight, Stephen Lind, Bob Hellweg, Jeanin Botta, Leisa Nalls, Cameron Fackler, Aimee Zhang, Adwait Ambaskar, Ming Yang, Patrick Murray, Walter Montano

39 attendees in person

Collect in-person attendance sheet

Adjourn: 9:29 PM