

## **ACOUSTICAL SOCIETY OF AMERICA**

174th Meeting of the  
Acoustical Society of America  
New Orleans LA  
TC Noise Meeting Agenda  
Thursday December 7, 2017, 7:30 p.m.  
William J. Murphy, Chair

### **Welcome to members, guests, students**

- Please mark attendance list and verify your contact information

### **Minutes from Boston: correction**

- Motion to approve, Motion moved (Ken), 2<sup>nd</sup> (Ralph), all in favor - approved

### **Thank you to New ORLEANS Organizers**

1. Joel Mobley (Chair), Natalia Sidorovskaya (Technical Program Chair)
2. Technical Tours. (David Woolworth, Andi Petculescu)
3. Hot Topics, Underwater Acoustics, Architectural Acoustics, Noise
4. Early Career Publishing Workshop
5. Tutorial Lecture by Roger M. Waxler on "Infrasound Phenomenology, Propagation, and Detection"
6. Short course by Tyrone Porter on Ultrasound Contrast Agents.
7. Live streaming of sessions

### **Membership Report (Alex Case):**

- New Fellows introduced at this meeting:
  1. John S Allen III
  2. Kelly Benoit-Bird
  3. John J Loverde
  4. Alexander Ya Supin
- Lily Wang President-Elect
- Scott Sommerfeldt Vice President-Elect
  - Term starts after Minneapolis
- Need a vote on TC Noise chair for after Minneapolis

### **Medals & Awards (Kirill Horoshenkov):**

- Discussion of cultivating Medal candidates
- Identifying potential candidates for becoming Fellows
- If any suggestions for possible nominations (Gold Medal, Silver Medal, Lindsay Award)

### **Membership (Alex Case – not present)**

- Discussion known shortly – need more fellows from Noise

### **ASA Foundation**

- 40-year anniversary of the Hunt Fellowship
- Recognize the Hunt Fellows within TC Noise
- Hunt poster session
- Hunt Fellowship dinner last night
  
- **Lily:** Campaign going on for support of ASA Early Career Leadership

- Effort to raise \$300,000 in donations to establish an endowment for the two new \$6,000 fellowships (mentioned a few lines later) that we would like to award to early career members.
- Poster session yesterday
- Dinner to celebrate – 20 fellows at the dinner
- Endow 2 \$6,000 fellowships to early career member (10 years since last degree), don't need PhD
  - Proposed projects to further leadership skills
  - 10% of the way to funding goal
  - Mike Stinson, Lauren Ronsee, Carl Rosenburg heading committee
  - Going through May 2019

### **Leo & Gabriella Beranek Scholarship in Architectural Acoustics and Noise Control**

- Committee: Carl Rosenberg, Eric Reuter, William J Murphy, Tony Hoover, Damian Doria
- 7 applicants last year
  - [All excellent applications, difficult job to judge](#)
- **Matthew Neal was 2017 recipient**
- Applications are now being accepted

### **Winker Foundation Scholarship in Architectural Acoustics Noise Control and Engineering Acoustics**

- Thanks to Doug Winker and the Winker Foundation for providing this scholarship!
- Committee: Christopher Struck, William Murphy, Eric Rueter, Ken Walsh
- Applications are now being accepted
- \$3000 scholarship in AA, Noise Control or EA
- **Curtis Weiderhold was 2017 recipient**
  - Competition was great

### **Young Investigators Award from Boston**

- Trevor Stout  
Statistics of supersonic signatures propagated through simulated atmospheric turbulence
- Matthew Kamrath  
Enabling noise engineering methods to model complex geometries
- Cameron Fackler  
Uncertainty of ANSI/ASA S12.42 Hearing Protection Device Impulsive Measurements

### **Student Council (Jon Weber): Welcome students**

- Sign-up form passed around for interested full members to be considered for future meetings
- Jon Weber's term as Student Council's TC Noise representative ends in Minneapolis
- Applications open in January? – look for email to students
  - 2-year terms

### **What we do:**

- From the website, we "Promote the interests of Student Members in the Society."

- We serve as a conduit between the Student Members and the rest of the society, provide information through internet and in-person contact, and encourage social engagement of student members

**Web presence:**

- Website (asastudentcouncil.org), Facebook (Acoustical Society of America – Students) (1079), Twitter (605), LinkedIn (Acoustical Society of America Students) (92)
- Website being redesigned to address ASA Students, not Student Council
- Send post-doc, job, event information to Jon Weber to post for students
- We will advertise for other conferences, etc. outside of ASA on website

**Mentoring Award:**

- Voted on here in New Orleans, being awarded in Minneapolis
- Next call for nominations after Victoria (Fall 2018), will be due before Louisville (Spring 2019), and awarded in San Diego (Fall 2019)

**Student events & sponsored sessions in New Orleans**

- |                                  |         |              |
|----------------------------------|---------|--------------|
| • New Student Orientation        | 60 – 65 | attended     |
| • Student Meet & Greet           | ~ 80    | attended     |
| • Student Outing                 | ~ 55    | attended     |
| • Grant/Fellowship Panel         | TBD     | attended     |
| • Student Social (wed night @ 6) | TBD     | attended     |
| • Students Meet Members for      | 76      | students     |
| • Lunch (SMMFL)                  | 58      | full members |

**Students Meet Members for Lunch (SMMFL) program:**

- 76 students signed up
- 58 full members signed up
- Need more full members to volunteer

**Student events and sponsored sessions in Minneapolis:**

- Science & Communication workshop in Minneapolis
- Introductions to Technical Committees session in Minneapolis
  - All 13 TCs represented – 10 minute presentations
  - Thank you to Bill Murphy for volunteering to represent Noise!
  - May be live-streamed and put on TC websites
- Student Travel Funds are available
- NCAC travel grant awards
- ASA Student Council travel awards (\$250)
- ASA student transportation subsidy (see ASA Website: Meeting Information)

**Other:**

- Education & Outreach (Keeta Jones, kjones@acousticalsociety.org)
- Acoustics Program Database
  - Previously limited to graduate programs
  - Now including research lab groups & undergrad programs
- Student Video Challenge
  - 4-7 minute video informing public on acoustical topics
  - Flyer / announcement coming soon with examples
  - Prizes include

1st - \$1000

2nd - \$750

3rd - \$500

- Team submission welcome
- 1 group member must be ASA Student Member
- Due after Minneapolis meeting, winners announced at Victoria meeting
- AIP media service help
- \$5000 cost/budget – includes AIP travel, equipment, and video editing
- Can be done at ASA meeting or a different requested location

#### **Education Committee (Keeta Jones & Traci Neilson)**

- Listen Up and Get Involved
  - Need to get more people involved in the future!
  - Great opportunity to reach out to the community

#### **Women in Acoustics (Erica Ryherd)**

- WIA continues to be active & sponsor several on-going programs, including:
  - Young Investigator Travel Award
  - Women in Acoustics Luncheon
  - Mentoring Program
- No further updates

#### **Education and Outreach (Keeta Jones)**

The Acoustics Program Database (formerly acoustics graduate school database) has been completely overhauled and is looking for submissions.

- Please review the database and see if your program, lab, research group, etc. is listed: [http://exploresound.org/business-directory-2/?wpbdp\\_view=all\\_listings](http://exploresound.org/business-directory-2/?wpbdp_view=all_listings)
  1. If you see an error in your listing, please email [kjones@acousticalsociety.org](mailto:kjones@acousticalsociety.org) with revisions.
  2. Share the database with your students and colleagues.
- If there is no listing for your affiliation/s, please do the following:
  1. Forward the submission link to the appropriate person, such as a coordinator, lab manager, research leader, etc.: [http://exploresound.org/business-directory-2/?wpbdp\\_view=submit\\_listing](http://exploresound.org/business-directory-2/?wpbdp_view=submit_listing)
  2. If you are the appropriate person, please create a listing.
  3. Share the database with your students and colleagues.
- If you have any questions, please contact Keeta at [kjones@acousticalsociety.org](mailto:kjones@acousticalsociety.org).
- In 2011, 5 ASA members created career profiles. These are now hosted on Exploresound.org. These haven't been updated since and nor have any new profiles have been created.
- We are asking members to submit new career profiles. If you would like to take part, follow these steps:
  1. Visit <https://www.aaas.org/page/communicating-engage> before writing your profile for tips. Remember that our audience is primarily K-12 students and educators

2. Take a look at the profiles that are currently on our website to see what previous acousticians did.
  3. Write a draft career profile and include 2 or three pictures, ideally, of you doing your research or work.
  4. Email your draft to Keeta at [kjones@acousticalsociety.org](mailto:kjones@acousticalsociety.org)
- I am CDC – See Bill Murphy’s profile about why he loves his job, <https://www.youtube.com/watch?v=Monc-ATMwcy>
- If you have any questions, please contact Keeta [kjones@acousticalsociety.org](mailto:kjones@acousticalsociety.org)

### Regional Chapters (Ken Good)

- **Ken Good:** Now serving as TC Noise representative

### College of Fellows (Tony Hoover)

- Take a Student to the Society Luncheon.
- Volunteer when you register for the meeting and sign up for the luncheon.
- Volunteers to help
- **Tony Hoover:** College of Fellows conduit to ASA to provide free tickets to Society lecture and luncheon
  - 13 tickets, 1 for each TC, to match a student with a corresponding fellow from their TC
  - This meeting, we had 26 tickets
    - Most matches were within the same TC!
  - Membership & Diversity plans to continue this project and hope to match students and fellows from the same TC
  - Need more fellows to volunteer for this initiative
  - College of Fellows funded two students to go back through old programs to compile a list of previous fellows from before 2000
    - Went program by program
    - Both lists will be checked for errors and then posted to the website

### TC Noise Web Page (Cameron Fackler)

- Website has been migrated to ASA site by **Dan Farrell**. If people have suggestions, we can work with Dan to get them incorporated.
- Decisions to be made on organization, i.e. subcommittees
- Subcommittee for Web content: to be in contact via email prior to New Orleans meeting (Bill can help provide content, but needs people to help get this started!)
  - Photographs and other cool things are needed.
    - Brigitte Schulte-Fortkamp
    - Patricia Davies
    - Matt Blevins
    - Matthew Kamrath
    - Bonnie Schnitta
- Give content and layout idea to **Dan Farrell**, and he will get it up and running

### Technical Council Initiatives

- Each of the TC’s discretionary funding is \$5000: \$1000 for Young Investigator Award, \$4000 to support travel. Travel funding is only reimbursable and no more than \$1500 can be provided to an individual during a year.
  - Let William Murphy know of persons that have a need.
- For additional initiatives, initiative under \$2500 will be approved by a “consent” vote (up to \$15,000 total). Those over \$2500 will be considered and approved individually.
  - Let Bill know if you have any ideas for technical initiatives

### Technical Initiatives approved at Technical Council

- 13<sup>th</sup> Western Pacific Conference on Acoustics WESPAC Nov 11-15, 2018
- Underwater Communications, Lerici Italy. Villa Marigola Aug 28-30, 2018
- The Australia Joint meeting
  - **Lily or Mike:** Approved but waiting on site visit
  - Planned for 2021

### Technical Council Initiatives

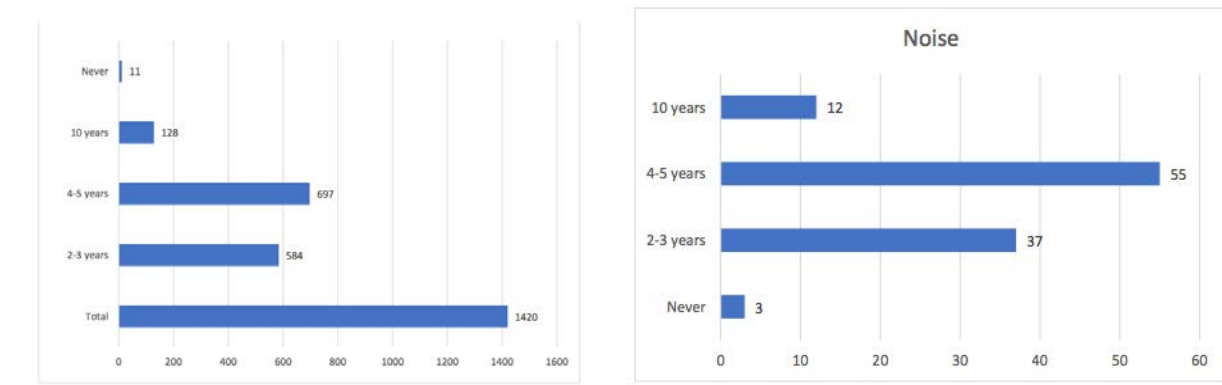
- Need to complete an introductory video for the various TC to have on YouTube.
- Guidance is needed from the TC about what is available
- No longer than 7 minutes.

### Task Force 1

- Cash prize from each TC to develop a video describing the videos.
- Submissions by New Orleans and/or Minneapolis
- Lily Wang: To show what an ASA meeting is all about through a professional video
- Jon Weber: Intro to TCs meeting is in planning stage to be recorded, then these videos could be used to represent the TCs and put on their websites

### International Meeting Survey

The consensus from the survey was that international meetings ought to be held every 4-5 years. Meetings in Canada and Mexico are not considered to be “international”.



- Canada & Mexico may be considered international for government and industry employees. This was discussed at Technical Council.

### Editor-In-Chief Report

- List of “competitor journals” so we can compare metrics
  - Now have a complete set for all TC’s and Education
  - Kat Setzer et al have looked up key metrics for all these journals!
  - Analysis of comparison with JASA is underway (SP Task III)
- Quarterly “TC Chair Picks”
  - Is ASA’s version of “Editor’s Pick”, and gives great PR to the authors
  - Allows us to highlight papers in addition to “Most Cited” and “Most Read” papers on Scitation
  - [Let Bill Murphy know if you have any picks or papers you’d like to highlight](#)
- Thesaurus “keyword” input
  - Not the most fun task, but should get our papers more “hits.”
- Coordinating Editors *for each* TC (need 3 more!)
  - Need someone who is reliable and has an overview of topics and AE personnel
  - Biomedical (Ron Roy needed to step down), Noise, Engineering
  - Kirill Horoshenkov will serve as the Coordinating Editor for Noise. The CE’s role is to assign papers to the appropriate editor who will find reviewers
- Associate Editors – Noise needs two more Associate Editors
  - William Murphy will serve as an Associate Editor for JASA.
- Quarterly “TC Chair Picks” and Image for the JASA landing page on the Scitation site. (Next choices are due last week of December – I will contact you!)
  - Four TC’s make a pick each quarter, two weeks in advance. We rotate TC’s
  - AB, Architectural, P&P, and SC were (quickly) chosen for launch.
    - Jim Lynch will be contacting the TCs on this
  - Great advertising and free access for 90 days!
  - AIPP needs cool figure from each of chosen articles.
- “Special Content” articles/issues recommendations
  - Special Issues, Guest articles, Reviews, Tutorials, Forum articles
  - Again, great advertising, free to author and permanent free access.
  - These give big boost to Journal IF.
  - Ning Xiang: Doing an special issue on Room acoustics modeling
  - Useful to bring other people from other societies to our society and journal to see what we’re doing
- Routine discussion with each TC about AE staffing!
  - Number and technical sub-specialties that need coverage.
  - Desperately need two more Speech AE’s for JASA-EL.
- What “metrics” for publication success (speed of review, IF, downloads, shelf life, immediacy) does each TC have?
  - This likely varies between TC’s, and we can tailor some things accordingly.

### **Journal of the Acoustical Society of America**

- JASA Associate Editors for Noise
  - Kirill V. Horoshenkov, University of Bradford (Coordinating Editor)
  - Giovanni Brambilla, National Center for Research (CNR), Rome
  - Sanford Fidell, Fidell Associates
  - Alexandra Loubeau, NASA Langley Research Center

- William J. Murphy, National Institute for Occupational Safety and Health
- Yun Jing
- JASA Express Letters Associate Editor for Noise (Eddie Lau)
- POMA (Kent Gee) – Associate Editors: Alan Wall, Alexandra Lobeau
  - Please submit POMA papers

### **ASACOS (Rich Peppin - report)**

- Reminder: each ASA member can get 5 free standards a year. Code was sent to you upon membership renewal. If you forgot code go to ASA web and contact “citation help.” ASA/ANSI standards are free, and nationally adopted ISO standards can be purchased for the reduced price of \$35 each.
  - Worth \$500 for 5 free standards
- International standards meeting in the US 2020 for TC 43 and TC 43/SC1 (Underwater acoustics)
  - Chris Struck: Met in Copenhagen
- Case studies and success stories of standards in action
- 3-Point Marketing Message
  - Support ASA Standards: Become an Organizational Member
  - Have an Impact and make your voice heard
  - You have a vote and can make a difference
- Participate in the Standards Process: Volunteer to Join a Working group
- Looking for Sponsors of the ANSI S12.60 Classroom Acoustics standard

### **Standards Activity**

- **Chris:** TC 108 (Mechanical Shock & Vibration) – Met in Gaithersburg
- New Staff Member: Heather Lovett – hired 11/27/2017
- Publications so far in 2017
  - New ANSI/ASA Standards published: **3**
  - ANSI/ASA Standards revised: **0**
  - ANSI/ASA Standards reaffirmed: **21**
  - Nationally Adopted International Standards: **0**
  - IEC Standards reviewed with US Vote: **16**
  - ISO Standards reviewed with US Vote: **128**

### **New Orleans**

- TPOM: David Woolworth & William Murphy (Thank you!)
  - Acoustics and its Role in Accessibility (e.g. Americans with Disabilities Act)
  - Evaluation of Acoustics in Hospitals and Healthcare Facilities
  - Supersonic Jet and Rocket Noise
  - Urban Planning Using Soundscape
  - Wind Turbine Noise
  - ASA Standards: Practical Applications of Acoustics in your Field

### **Minneapolis Noise Special Sessions May 7-11, 2018 (53 papers)**

1. Effects of Natural Soundscapes on Recreation Areas
  - David Braslau



2. Wind Turbine Noise
  - Robert Hellweg & Paul Schomer
3. Hearing Health Across a Lifespan: Hearing Screening From Cradle to Grave
  - William J. Murphy & Alexander L. Francis
4. Hearing protection: Impulse peak insertion loss, specialized hearing protection devices and fit-testing
  - Elliott H. Berger, Cameron J. Fackler, & William J. Murphy
5. Open source audio processing platforms
  - Odile Clavier & William Murphy
6. Novel Materials for Sound Absorption, Insulation, and Vibration Control
  - Yun Jing & Ning Xiang

- Named sessions in Minneapolis  
David Kemp – receiving Bekesy Medal for the discovery of otoacoustic emissions  
Session honoring Neil Veimeister?
- Student Design Competition
- Andrew Oxenham – tutorial lecture
- ASA School – living in the acoustic environment
- Tour of the US Bank stadium

**Victoria Meeting Special Sessions:** <https://goo.gl/EwVQif>

(Thank you to Lily Wang for creating the Google Doc forms and facilitating this)

1. Acoustic Vehicle Alerts and the soundscape
  - Jeanine Botta and Brigitte Schulte-Fortkamp
2. Structureborne noise due to building movement
  - Bonnie Schnitta and James Phillips?
3. Supersonic Jet Aeroacoustics
  - Alan Wall and Kent Gee
4. Noise and Health: Where are we going?
  - David Sykes & Daniel Fink
5. Noise and Vibration associated with fitness facilities
  - Matt Golden and James Philips
6. Excellence in Acoustics Around the World
  - Brigitte Schulte-Fortkamp, Ann, Andy Chung, ... (5 in total; see details in email)
  - Wants it to be co-sponsored by other TCs
    1. Should be interdisciplinary session (ID)
    2. Comments: Questions about the title and being ID session
    3. Brigitte: Willing to give more information to TC members
    4. Comments: Members generally agreeing with session title now as is
7. Effects of Noise and Performance (Human performance)
  - Joonhee Lee – Concordia University
8. Hardware for Noise Monitoring
  - Matt Blevins, Anton Netchaev?
  - **Ning:** should be “Noise Monitoring Facilities”
  - **Matt:** Title to be changed and submitted

9. Emerging Technologies for Noise Control
  - New materials to improve the qualities of noise control
  - Ning to co-chair with Kirill Horoshenkov
- There will be no Wind Turbine sessions in Victoria and probably not in Louisville
- **Matt Blevins:** possible statistical learning session maybe under signal processing
  - Matt willing to co-sponsor with NS if session exists
  - Keep proposed session in Louisville

### Spring 2019, Louisville, KY Meeting Proposed Sessions

Louisville Tentative Special Sessions: <https://goo.gl/iJrvH9>

1. Innovations and New Applications of Sound Quality Measurements
  - Hales Swift
2. Sports Noise
  - **Bill Murphy:** idea for Dan Russel, baseball bats & sports equipment
  - **Lily Wang:** including Kentucky Derby
  - **Bill Murphy:** Indianapolis 500
  - **Ken Cunefare:** Joint with AA to include looking into sports facilities
3. Noise Awareness Programs
  - **Lily Wang:** Programs around the world
    1. Brigitte Schulte-Fortkamp likes it
  - Brigitte Shulte-Fortkamp & Lily Wang?
4. Statistical Learning Methods in Noise Research
  - Matt Blevins
5. Acoustics of Healthcare Facilities
  - Jay Bliefnick
  - Possibly with Kirill
  - Possibly joint with TC AA
6. Hearing Protection session
  - Elliott Berger

### Future Meetings

- Fall 2019, San Diego
  - Will be held at the Hotel del Coronado
  - Plans or session topics?
  - Classroom Acoustics and other Educational Facilities session – joint with TC AA
    - David Lubman, & Ken Good
    - **Ken Good:** S12.52 working group
  - Transportation Noise
  - Standards
    - Interdisciplinary Session
    - **Chris:** Noise-related topic is welcome to be joint with Noise
- Spring 2020 Chicago IL
- Fall 2020, Cancun, Mexico

## New Business

- A discussion was held regarding the quality of papers presented in one of the sessions. At least three of the papers in the Wind Turbine session were of a more anecdotal nature rather than presenting new findings or science. The question that arose was how or who's responsibility is it to review the abstracts and then to potentially reject the abstracts. The Organizer of the special session really should be responsible to read the abstracts and provide a recommendation regarding whether the abstract should be accepted. In the particular situation that sparked this controversy, the papers were accepted and presented, but the abstracts contained little or no indication that they had new scientific content to present. This topic was discussed in the Technical Council on Friday morning. The responsibility lies with the session organizer and with the TPOM organizer for the Noise sessions. In the future, papers will receive greater scrutiny.
- **Kirill Horoshenkov:** UK government funded governmental research in acoustics
  - Bring people from different disciplines together to explore overlaps of topics
  - Identify challenges in acoustics to keep competitive with other subjects for funding
  - Acoustics.uc.uk
    - Events to bring people together
    - Open to anyone interested
- **Lily:** Strategic plan ASA put together
  - 4 goals
    - Awareness of Acoustics (Task Force 1)
      - Trying to move ahead in growing awareness in International Awareness Day (Wednesday, April 25, 2018)
      - Brainstorming with Keeta Jones (Ed coordinator) with possible topics related to noise
        - Watch-a-lon of In Pursuit of Silence through Google Hangout
        - Using SoundPrint or Hush app – promoting everyone to use this (try to measure 100,000 restaurants, have a goal #)

The TC Noise was in favor of supporting this effort.

**Adjourn 9:20 PM**