**ACOUSTICAL SOCIETY OF AMERICA**

175th Meeting of the

Acoustical Society of America

Minneapolis MN

TC Noise Meeting Agenda

Thursday May 10, 7:30 p.m.

William J. Murphy, Chair

**Welcome to members, guests, students**

* Please mark attendance list and verify your contact information

**Minutes from New Orleans:**

**Thank you to Minneapolis Organizers**

1. Peggy Nelson, Bruce C Olson Co-chairs
2. Andrew Oxenham Technical Program Chair
3. Technical Tours. (Peggy Nelson, Bruce C Olson)
4. Hot Topics, Psychological & Physiological, Structural Acoustics and Signal Processing
5. Hands On Acoustics for Middle School students
6. Tutorial Lecture Hearing Loss and the Future of Auditory Implants
7. Live streaming of sessions (27 ASA sessions total)

**Membership Report (Alex Case):**

* Fellows represent about 10% of their field – we are currently underrepresented in Noise
	+ See Alex if you have questions regarding nominating new fellows
	+ Fellows require full membership, 1 dossier and 2 supporting letters
* New Fellows introduced at this meeting – Congratulations!
1. Deniz Baskent
2. Monita Chaterjee
3. Patricia Davies
4. Jin-Yeong Jeon
5. Bruce C Olson
6. Lauri Savioja
7. Christopher Struck
* Lily Wang, President
* Scott Sommerfeldt, Vice President
	+ Peggy Nelson, VP Elect
* Incoming TC Chair, James Phillips

**Medals & Awards (Brigitte Schulte-Fortkamp):**

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

**Membership (Alex Case)**

* Potential persons for nomination as fellows?

**ASA Foundation (Lily Wang)**

* Looking for donations, searching for $300,000 total in donations

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

* Committee: Carl Rosenberg, Eric Reuter, William J Murphy, Tony Hoover, Alex Case
* 3 applicants this year
	+ Need more Nominations from students
* **Matthew Neal was 2017 recipient**
* Applications are now being accepted

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

* + Committee: Christopher Struck, William Murphy, Eric Rueter, Ken Walsh (Ken being replaced by Mike Haberman)
	+ Two Applicants this year

**Young Investigators Award from New Orleans**

* **Christopher Jasinski**

Acoustic excitation impact on aerodynamic drag measured in aeroacoustic liners

* **Jay Bliefnick**

Evaluating hospital soundscapes to improve patient experience

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

* Introduce Kieren Smith as the incoming Student Council representative of TC Noise
	+ Term starts immediately following Minneapolis meeting (May 11, 2018)
	+ Term ends following the Chicago meeting (Spring 2020)
* What we do:
	+ From our 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) (1,141 followers), Twitter (659 followers), LinkedIn (Acoustical Society of America Students) (96 members)
		- Website being redesigned to address ASA Students, not Student Council (asastudents.org)
	+ **Send** post-doc, job, event information **to Kieren Smith** (kierenhs@gmail.com) to post for students
	+ We will advertise for other conferences, etc. outside of ASA on website
* Mentor Award:
	+ Awarded to **Dr. Lynne A. Werner** in the Infant Hearing Lab at the University of Washington
	+ Next call for nominations before Victoria (Fall 2018), will be due before Louisville (Spring 2019), and awarded in San Diego (Fall 2019)
	+ Student Council finalizing eligibility changes that will allow applications to be considered for 3 consecutive award cycles
* Student events & sponsored sessions in Minneapolis

|  |  |
| --- | --- |
| New Student Orientation | 38 students attended |
| Student Meet & Greet | 55 students attended |
| Student Outing | 45 students attended |
| Introductions to Technical Committees session | 40-45 attended |
| Students Meet Members for Lunch (SMMFL) | 72 pairs matched (need more full members to volunteer) |

* + Ultrasound scavenger hunt
		- Speakers emitting ultrasound signals can be read in through spectrogram apps on your phone
		- Prizes awarded at TC meetings to students who show **Jon** a screenshot of their captured message
	+ Students, please fill out the **Student Feedback survey** emailed out after meeting
* 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)
	+ Student Video Challenge (**Deadline: October 1, 2018**)
		- 4-7 minute video informing public on acoustical topics
		- Prizes include
			* 1st - $1000
			* 2nd - $750
			* 3rd - $500
		- Team submission welcome
			* 1 group member must be ASA Student Member
* Winners announced at Victoria meeting

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

* Listen Up and Get Involved
	+ Evening outreach session for Girl Scouts
		- Will be continued in Victoria with their Girl Guides
	+ Need to get more people involved in the future!
	+ Great opportunity to reach out to the community

**Women in Acoustics (Michelle Vigeant)**

* WIA continues to be active & sponsor several on-going programs, including:
	+ Young Investigator Travel Award
	+ Women in Acoustics Luncheon
	+ Mentoring Program
* No further updates
* Roundtable mentoring session on Wednesday at this meeting
	+ 1-hour session with multiple tables
		- Careers in academia
	+ About 30-50 attendees

**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>
	1. If you see an error in your listing, please email **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>
	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.
* 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 (intended for lay audience, may include videos and pictures).
	4. Email your draft to Keeta at kjones@acousticalsociety.org

If you have any questions, please contact Keeta kjones@acousticalsociety.org

**International Noise Awareness Day, 2018 April 25,**

Lily Wang Moderator, Brigitte Schlute-Fortkamp, Bennett Brooks, William Murphy, Arlene Bronzaft, Peggy Nelson

<http://exploresound.org/international-noise-awareness-day-2018/>

* Came out of Task Force 1 – strategic outreach & awareness
* Citizen science component
	1. Encouraged to use SoundPrint app to make measurements at local restaurants
	2. Encouraged to watch the documentary In Pursuit of Silence
* 60 viewers from around the world participated in a video conference – 2 hours long overview session
* Want this to be housed in this TC Noise in the future
	1. Proposal to be a sub-committee on Noise Awareness Sub-Committee
		1. Jeanine Botta
		2. Jim Weir
		3. Brigitte Schulte-Fortkamp

**Regional Chapters (Ken Good)**

* **Ken Good:** Now serving as TC Noise representative
	+ Looking to encourage outreach to other organizations, other ASA chapters, clients, architects who may not be able to attend our national meetings
	+ Pending Executive Council approval
		- Accepted an Asia regional chapter headquartered in Hong Kong
			* Our 3rd international chapter
	+ Consider starting regional chapters
	+ For more resources and a list of chapters see the Regional chapters page through the ASA website
	+ Committee on Regional and Student chapters audits the current the chapters, but difficulty lies in that most chapters focus in areas specific to a certain TCs
		- Work with Ken and Committee if chapter is having difficulty maintaining a sustained presence
		- Consider collaboration with other chapters – perhaps invite someone to be a guest speaker
			* Travel can be reimbursed (within reason, see the regional/student chapter resources for specific details), but speakers are not paid
		- (Derek Knight – Trane): Distinguished lecture through ASHRAE chapters (may be a resource to look into)
			* Travel is paid through national chapters for local ASHRAE chapters
		- Keep in mind ASA is an open society, so we encourage tours to be open
			* Let tour site know this and that competitors may be attending as well – if they’re not okay with this, then maybe it’s worth considering a different tour site (Keep in mind: our regional/student chapters do represent ASA as a whole)
	+ Royster competition rules and guide is currently being updated
		- Meeting in Victoria to brainstorm ideas

**College of Fellows (Tony Hoover)**

* It’s important to know whether you’re an Associate or Full Member of ASA
	+ Check ASA membership directory
	+ Consider upgrading to full membership status
* College of Fellows sponsors 26 tickets raffled at Student Reception each meeting to take a Student to the Society Luncheon.
	+ Student is paired with a full member in their TC (or TC of interest)
* Volunteer when you register for the meeting and sign up for the luncheon.
	+ **Volunteers needed** to help
* **Tony Hoover:** College of Fellows conduit to ASA to provide free tickets to Society lecture and luncheon
* **Vocal ensemble Cantus** at this meeting’s Society Luncheon

**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
	+ Looking for a webpage summarizing special sessions hosted by TC Nosie (possibility of POMA papers)
* Subcommittee for Web content:

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**

* 6th Pacific Rim Underwater Acoustic Conference , Taiwan, Sept 2-5, 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
* Formation of the Technical Specialty Group in Computational Acoustics – Approved, D. Keith Wilson will be chairing this group.

**Technical Council Initiatives**

* Funding a session for budding scientists with invited talks by students and postdocs For Louisville $5000 (for P&P session)
* Videos from New Orleans will be posted soon (David Woolworth)

**Proposed Technical Council Initiatives**

* Restaurant Noise (Lily Wang) – sound map a city (possibly tied to the meeting location)
	+ Using phone-based apps (SoundPrint) to grow sound mapping in cities
		- Maybe consider combining with or utilizing Yelp (Ken Good)
		- SoundPrint – reported 4,000-5,000 new users of campaigning
	+ Group in Baltimore already doing this (Greg Farber)
	+ Possible issues with getting detailed maps of city?
	+ Possibly an initiative to be paired with regional/student chapters
	+ More formal proposal to come
	+ Intent is not to pinpoint “bad” restaurants but rather to characterize restaurants sound environments so those looking for quieter/lively restaurants can more easily find them
	+ Possible sub-committee (Eric Reuter) formed in AA looking for those interested

**Task Force 1 (Vic Sparrow) – Awareness of Acoustics**

* ASA is a member of AIP (American Institute of Physics) with many partnering organizations
	+ Jen Friedmore (AIP) helps ASA get involved with governmental relations
		- She is a great resource for ASA developing our identity and how that relates to outreach with governmental organizations
	+ What would you ask for, what would you advocate for to better relate the ASA to governmental science (brainstorming session below) – Survey to ASA members to come to share more ideas
		- Environmental noise and its impact on people
			* There are serious health effects for those exposed to noise (heart disease, etc.) that need raised awareness to public society
		- Need an update to OSHA regulations to agree with European standards
		- 2003-2010/2011 – Hearing protector labeling updates with EPA
			* Received public comment, rewrote rules and is sitting on governmental movement
		- Get funding for impact-noise studies
		- Gun Violence - People living in areas subjected to noises with illegal gunfire (stressful environment not healthy, especially for children development)
			* Look into not only causes but impacts of gun violence
		- Noise regulations in Architectural Acoustics to be reinstated
		- Propose to congressmen “What can they do with our expertise”
		- **Caution** (with topics picked) – not to represent ASA as a political society
* Cash prize from each TC to develop a video describing the videos.
* Submissions by 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

[**Editor-In-Chief Report**](EIC%20Report%20to%20the%20Technical%20Council%20Minneapolis.pptx) **(Jim Lynch)**

* If interested for more details, contact Bill Murphy
* 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, North Carolina State University
	+ Allen T. Wall, Air Force Research Lab, WPAFB
* JASA Express Letters Associate Editor for Noise (Eddie Lau)
	+ Cameron Fackler in consideration
	+ Need more!
* 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
* Chris Struck, Standards Manager, appointed a nominating committee, I am one of the members.
* There was nothing special in the TC Liaison Reports
* I attached action Items from the WG Activity Reports of the Standards Committees - **S1/806, S2/860, S3/791, S3/SC1/103,** and **S12/892**
* There was a discussion of a China proposal for new ISO committee on Musical Instruments & ASA Response Recommendation to ANSI. ASA recommended ABSTAIN, ANSI recommended Negative.
* Next Meeting – Victoria, November 2018

American Institute of Physics has been conducting Video interviews of a variety of standards users to develop some promotional products for the use of standards. (Why & How they make a difference)

 Bill Murphy, Chris Struck, Neil Stremmel, Dorian Houser and others were interviewed.

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

1. 1aNS Novel Materials for Sound Absorption, Insulation, and Vibration Control
	* Yun Jing & Ning Xiang
2. 1pNS Open source audio processing platforms
	* Odile Clavier & William Murphy
3. 2aNS Hearing Health Across a Lifespan: Hearing Screening From Cradle to Grave
	* William J. Murphy & Alexander L. Francis
4. 2pNS Effects of Natural Soundscapes on Recreation Areas
	* David Braslau
5. 4aNS, 4pNS Hearing protection: Impulse peak insertion loss, specialized hearing protection devices and fit-testing 1 & 2
	* Elliott H. Berger, Cameron J. Fackler, & William J. Murphy
6. 1pAA Architectural Acoustics Experimental Methods in Laboratories
	* Jin Yong & Ning Xiang
7. 1pID Interdisciplinary Intro to Technical Committees
	* Jon Weber
8. 2pSP Acoustics of Virtual and Augmented Reality
	* BuYe Zu & Jens Meyer
9. 3pSA Model Reduction for Structural Acoustics
	* Kuangcheng Wu & Hubert S Hall
10. 4aAA Acoustics in Classrooms and other Educational Spaces
	* Kenneth W. Good
11. 4aID Acoustical Standards in Action: Realization, Applications and Evolution
	* Christopher J Struck
12. 4aPA, 4pPA Sonic Boom 1 & 2
	* Alexandra Lobeau & Joel B. Lonzaga

**Victoria Meeting Special Sessions**:

Call for papers is out (**Deadline**: May 29)

TPOM: William Murphy, Hales Swift, Kerrie Standlee

1. Acoustic Vehicle Alerts and the soundscape
2. Structure borne noise due to building movement
3. Supersonic Jet Aeroacoustics
4. Noise and Vibration associated with fitness facilities
5. Excellence in Acoustics Around the World
6. Effects of Noise and Performance (Human performance)
7. Hardware for Noise Monitoring
8. Emerging Technologies for Noise Control

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

 Louisville Tentative Special Sessions:

 Link below to submit 1-sentence summary of sessions (Give to William Murphy by Friday

morning to present to Technical Council)

<http://bit.ly/ASA-SS-LouisvilleForm>

1. Innovations and New Applications of Sound Quality Measurements
	* Hales Swift
2. Sports Noise
	* Daniel Russel & William J Murphy
3. Noise Awareness Programs
	* **Lily Wang:** Programs around the world
		1. Brigitte Schulte-Fortkamp likes it
	* Brigitte Schulte-Fortkamp & Lily Wang?
4. Statistical Learning Methods in Noise Research
	* Matt Blevins (may not be
	* Looking for co-chair
5. Acoustics of Healthcare Facilities
	* Jay Bliefnick
	* Possibly with Kirill
	* Possibly joint with TC AA
6. Soundscapes
	* Brigitte Schulte-Fortkamp
	* Eric Reuter
	* Possibly joint with

**Future Meetings**

* Fall 2019, San Diego
* <http://bit.ly/ASA-TSS-SanDiegoForm>
	+ Will be held at the Hotel del Coronado
	+ Transportation Noise
	+ Standards
		- Interdisciplinary Session
		- **Chris:** Noise-related topic is welcome to be joint with Noise
	+ Building acoustics
		- Matt Golden
		- Eric Reuter
	+ Sonic Boom (joint with PA)
		- Jonathan Rathsam
	+ Looking for more topics
* Spring 2020 Chicago IL
	+ Hearing Protection
		- Cameron Fackler
		- Elliott Berger
		- William Murphy
* Fall 2020, Cancun, Mexico

**New Business**

* Chairing working group 19 S1 standards for (microphone) windscreens
	+ Windscreens part 1 is done
	+ Part 2 – moving air
		- When should you have a windscreen?
		- What size and what kind?
	+ Need volunteers to help working on this
		- William Murphy
	+ NCPA has done significant work in this area (Jeremy Webster may be a great resource)
		- David Woolworth may know more
* Les Blomberg’s presentation in working group 41 (Modeled Noise Ordinance)
	+ Trying to get working group running for 25 years, but having a hard time
	+ Without help, may not continue
		- If interested, contact Les
	+ Political vs philosophical issue
* Thank Bill Murphy for 3 years of service
* Welcome James Philips as new TC chair

**Adjourn**