

ACOUSTICAL SOCIETY OF AMERICA

173rd Meeting of the
Acoustical Society of America
and the
8th Forum Acusticum
Boston MA

TC Noise Meeting Agenda
Wednesday June 28, 2017, 8:00 p.m.
William J. Murphy, Chair

1. Welcome to members, guests, students

- ⑩ Please mark attendance list and verify your contact information
Sign-in sheet being passed around
~15 students in attendance

2. Minutes from Honolulu: corrections, approval

- No comments from members
- Approved

3. Incoming Appointments

None

4. Reports

Membership Report (Alex Case):

TC NS needs more fellows, typically in top 10% of field

Submit nominations with 3 recommendation letters (2 must be from current fellows)

See Alex Case for more information

Rich Peppin just recently elected fellow to ASTM

New Fellows introduced at this meeting:

Douglas A. Abraham, Joshua G. Bernstein, David Braslau, Tim Colonius, Elisa E.

Konofagou, Ying Tsong Lin, Tyrone M. Porter, James A. TenCate, Blake S. Wilson

Lily Wang – president elect

Scott Sommerfeldt – vice president elect

a) Medals & Awards (Ken Cunefare): If any suggestions for possible nominations (Gold Medal, Silver Medal, Lindsay Award), let Ken know. **Looking for Ken's Replacement**

- a. Ken will be stepping down from committee
- b. Need to cultivate medal candidates
 - i. 3 candidates to be submitted at once for all 3 awards
 - ii. TC NS could use improvement in this initiative
 1. Proposed sub-committee to help identify these candidates
 2. Talk to Bill afterwards if you're interested

Carl Rosenberg – 40-year anniversary of ASA foundation

- Special poster session in New Orleans to celebrate winners of Hunt Fellowship with history of program
- Recognizing new initiatives geared toward young investigators & early career members

- Fee to attend session and help fund award
 - Raised awareness for search of future Hunt fellows
- b) Winker Foundation Scholarship in Architectural Acoustics Noise Control and Engineering Acoustics
- a. Committee: Christopher Struck, WJ Murphy, E Rueter, K Walsh
 - b. Announcement is forthcoming - Materials will be available on ASA website
 - c. \$3000 scholarship for a student in Architectural Acoustics, Noise and Eng Acoust
- c) Leo & Gabriella Beranek Scholarship in Architectural Acoustics and Noise Control
- d) Committee: Carl Rosenberg, Eric Reuter, William J Murphy, Tony Hoover, Damian Doria
- e) Eric Reuter will be the AA chair forthcoming
- f) 5 applicants last year
- g) Announcement will be forthcoming from ASA
- h) Young Investigators ():
- a. 3 awards up to \$250 each
 - b. Awardees from Honolulu
 - i. Linh Nguyen
Community response to aircraft noise: A step-change study around Hanoi Noi Bai International Airport
 - ii. Shodai Sagara
A study on transient noise-generation characteristics in a diesel engine with rapid premixed-charge compression ignition combustion
 - iii. Anna Josefine Sørensen
On-site and laboratory soundscape evaluations of three recreational urban spaces
2aNS9
 - c. Boston meeting
 - i. Bill needs help evaluating out these young investigator
 1. David Woolworth
 2. **Contact Bill** if you're interested in volunteering
 - d. Student participants: Boston – Judges Thank you!!!
 - i. Shout out & thank you to Vic Sparrow, Kent Gee, & all for great amount of work here in Boston

Abs #	Presenter
2aNSb4	Nicholas Ortega
2pNSa5	Yalcin Yildirim
2pNSa9	Daniel de la Prida
2pNSb4	Joe DeGolia
3aNSb7	Cameron Fackler
2pNSb10	William Doebler
3aNSc2	Christopher Jasinski
3pNSb2	Trevor Stout
3pNSb5	Matthew Collmar
3pNSc7	Vincent Nadon
4aNSa7	Julian Rice
4aNSb4	Pranav Pamidighantam

4pNSa2	Daniel Swart
4pNSb1	Manasi Biwalkar
4pNSb2	yiming wang
4pNSb4	Matthew Kamrath
4pNSb10	Abdelkader Khamchane
4pNSc5	Remi COUSSON
4pNSc8	Matias Pace
4pNSc9	Miodrag Stanojević
5aNSa1	Carl Hart
5aNSa4	Mark Berardi
5aNSb1	Martin Lawless

- e. Possibility of sub-committee moving forward to limit the number of student candidates
- i. Possibility of requiring POMA submissions?
 1. If so, do we want it required prior to the meeting?
 - a. **No conclusion**
 2. Discussion points
 - a. Importance of presentation skills
 - b. Value put on presentation, POMA should not be judged on its own
 - c. If paper is required, this will add more work for judging
 - d. Consider half award for presenting & half award for submitting POMA
 - i. Incentive for more POMA
 - ii. May split students' work between two and actually dilute the work
 3. Up for vote – **seemingly split**
 - ii. Consider passing on to session chairs to help out
 1. Up for vote – **approved**
 - a. **To start in New Orleans**
 - iii. What do we do with poster submissions?
 1. Discussion points
 - a. If posters are included, there needs to be a separate award/category for posters & presentations (with separate criteria)
 - b. 24 student candidates in Boston (4 for posters)
 - c. Posters are typically small numbers
 - d. Where would the money come from???
 2. Best student paper award being given only to papers that involve an aural presentation
 - a. Up for vote – **Passed**
 3. **Kent Gee** - go to Publication office asking for more \$
- i) Student Council (Jon Weber): Welcome students
- a. Students, please fill out Student Feedback Survey after meeting, link via email
 - b. Students Meet Members for Lunch

- i. Sign-up form passed around for interested full members to be considered for future meetings (last meeting in Honolulu)
 - 1. Interested members not currently signed up, **contact Bill**
 - ii. Great way for students to introduce themselves to full members, and great for future collaboration (e.g. research, jobs, etc)
 - c. Website (asastudentcouncil.org), Facebook, Twitter, & LinkedIn
 - i. Great way to follow both ASA and Student Council during and between meetings
 - ii. Job postings can be posted on our LinkedIn page, so send them our way
 - d. Mentoring Award
 - i. Awarded in Boston to Dr. Dan Russell – Congrats!
 - ii. **Next call for applications coming soon, be on the lookout**
 - e. Student events in Boston
 - i. New Student Orientation: ~160 attended, largest we've seen in a long time
 - ii. Student Meet and Greet: ~170 attended
 - iii. Student outing to Fenway Bleacher Bar: ~65 attended
 - iv. Student Reception: ~190 attended
 - f. Student Council sponsored sessions in Boston
 - i. Graduate Programs in Acoustics Poster Session
 - 1. Great way to learn about universities and meet students and faculty members
 - 2. Advertise graduate programs, degrees, and opportunities to help undergrads know what's available
 - 3. Check grad school directory (<http://asastudentcouncil.org/student-resources/>) – **submit program to Student Council if yours is not there**
 - ii. NEW – Teaching Tips for the New (or not so new) Acoustics Faculty Member (co-sponsored w/ EdComm)
 - 1. Great turnout – well over 60 attended
 - 2. Considering adding this session to future meetings as teaching methods are constantly evolving and to help reach larger audience
 - g. Student Council sponsored sessions in New Orleans
 - i. Grant/Fellowship panel
 - 1. If you know someone who would be good for the panel, **contact Jon**
 - 2. Abstracts due July 10 – passed
 - h. Student Council sponsored sessions in Minneapolis
 - i. Intro to TCs
 - 1. Each TC will have one member (typically chair) to give a 7 minute presentation on what their TC represents
 - 2. Abstracts due right after New Orleans meeting
 - 3. **Need a volunteer**
 - i. ASA Youtube page – **subscribe and advertise!**
 - j. Student travel subsidies/grants available – see website for details
- j) Education Committee (Traci Neilson)
- k) Boston meeting:
 - a. TPOM representatives: James Phillips, Bill Murphy, Brigitte Schulte-Fortkamp, Jian Kang
 - i. Kudos to James Phillips for giving TC Noise a nicely organized spreadsheet!!
 - 2200 abstracts, 174 abstracts in Noise. 22 Sessions!!!

- l) Call for Papers for New Orleans is available:
 TPOM: Bill Murphy (Would like another volunteer to learn the system)
- **Volunteer to be decided**
1. Acoustics and its Role in Accessibility (e.g. Americans with Disabilities Act)
 2. Evaluation of Acoustics in Hospitals and Healthcare Facilities
 3. Jet Aeroacoustics
 4. Urban Planning Using Soundscape
 5. Wind Turbine Noise
 6. ASA Standards: Practical Applications of Acoustics in your Field
- m) Women in Acoustics (Erica Ryherd)
- a. WIA continues to be active & sponsor several on-going programs, including:
 - i. Young Investigator Travel Award
 - ii. Women in Acoustics Luncheon
 - iii. Mentoring Program
 - iv. Girl Scout Outreach
 - b. If you are interested in participating or volunteering for any of these programs, please visit our website (accessible from main ASA page) or **contact Erica Ryherd**
 - c. Girl Scout Outreach will be back in Boston
- n) Regional Chapters (~~Bob Coffeen~~)
- a. Not much new
 - i. Michigan - approved for new Student Chapter
 - b. ~~No new regional chapters for this meeting~~, but looking to promote more outreach with future regional meetings
 - i. Can be academic or application
- o) College of Fellows (Tony Hoover) – Take a Student to the Society Luncheon. Need a volunteer of someone who expects to be going to Society Lunch in ~~Boston~~ New Orleans. Volunteer when you register for the meeting and sign up for the luncheon.
- a. **Volunteers to be decided**
 - b. Move from 13 to 26 sponsored tickets for students (2 per TC)

Other Committees?

5. Publications and Standards

- a) Report on EIC ASA publications (Jim Lynch)
- 6 months in new office
 - Evaluations of AE staff – improving speed
 - Coordinating editors working well – lacking a NS editor
 - Acoustics Today – article on Need for Speed trying to improve turnover time from 90 to 65 days
 - New citation site – TC chair picks for best papers, helps improve TC publicity and citations
 - Want a list of competitive journals (specific to TC NS – **See list below, Bill to update with current list from slides presented at meeting**)
 - i. Acoustica & Journal of Audio Eng. Society
 - ii. International Journal of Aeroacoustics
 - iii. AIAA – American Institute of Aeronautics Association
 - iv. Journal of Aircraft

- v. ASME Journal of Vibration and Acoustics
 - Need 2 additional NS editors
 - i. If you're interested, **contact Bill Murphy**
 - Special content articles are free to the author
 - Amount of publications are proportional to number of people on TCs
 - i. Looking for more hot topic articles, can work with being at different stages of the article
 - ii. **Contact Jim Lynch**
- b) JASA Associate Editors for Noise (G. Brambilla, B.S. Cazzolato, S. Fidell, K.V. Horoshenkov, R. Kirby, Brigitte Schulte-Fortkamp)
- **We need MORE Associate Editors**
- c) JASA Express Letters Associate Editor for Noise (Eddie Lau)
- d) POMA (Kent Gee) – Associate Editors: Alan Wall, Alexandra Lobeau
- e) Standards (Paul Schomer)
- f) Report from ASA Committee on Standardes (ASACOS) (~~Rich Peppin~~ Chris Struck - 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.
 - Want to improve TC liaisons
 - Anything pertaining to standards, **contact TC NS standards liason (Rich Peppin)**
 - Voted on 110 international standards
 - Adopted 12.9 standard on Environmental sound, 12.6 Classroom acoustics standard (still free to the public)
 - AB rep interview on ASA Youtube channel
 - 48 delegates from 15 countries collaborating internationally
 - ISO TC 43 (acoustics) & 43 SC1 (Building Acoustics) met in Denmark, 61 delegates from 51 different countries
 - TC 108 met in London
 - TC 108 SC6 meeting in Gatorsburg
 - TC in water meeting in ??
 - International Standards travel award – **contact standards office**
 - Special session in New Orleans, *ASA Standards: Practical Applications of Acoustics in your Field*
 - i. 7 abstracts already submitted
 - Special session already proposed for Minneapolis
 - QR codes newly made for more information on Standards committee and working groups
 - Standards Terminology
 - i. ANSI S1.1 and S3.20. There is a new ANSI Standards Terminology database freely available on the standards site.
 - ii. New members can get a free copy of S1.1 by using the code "**TERM**" for the ASA Store
 - Other ASA Standards in 2017

- i. Job descriptions
 - ii. International standards meeting in the US 2020 for TC 43 and TC 43/SC1
 - iii. Case studies and success stories of standards in action
 - iv. Investigating ways to provide a discount to sustaining members
 - v. Improving the standards display for ASA Meetings
- 3-Point Marketing Message
 - i. Support ASA Standards: Become an Organizational Member
 - 1. Have an Impact and make your voice heard
 - a. You have a vote and can make a difference
 - ii. Participate in the Standards Process: Volunteer to Join a Working group
 - iii. Sales of Standards support the ASA Standards Program
 - 1. Standards are Practical applications of acoustics in your field
 - 2. Every ASA member gets 5 free standards per year!
- S1 New working group on Materials for transduction
 - i. **Contact Roger Landos**
- S3 SC1 New working group on Acoustic Meta Data
 - i. Reestablish the working group for fish and reptiles
- New S12 working group on unmanned aerial systems (i.e. drones)

6. Current meeting

A Comparative Look at US and European Noise Policies	David Woolworth, Brigitte Schulte-Fortkamp
Effects of Noise on Human Comfort and Performance I.	Elen Peng, Lily Wang, Anna Warzybok
Effects of Noise on Human Comfort and Performance II.	Elen Peng, Lily Wang, Anna Warzybok
Effects of Noise and Perception (Poster Session)	William Murphy
E-Mobility--Challenge for the Acoustics	Klaus Genuit, Steve Sorenson
Implications of Community Tolerance Level Analysis for Prediction of Community Reaction to Environmental Noise	Sanford Fidell Truls Gjestland
Measuring, Modeling, and Managing Transportation Noise I.	Matthew Kamrath Lisa Lavia
Measuring, Modeling, and Managing Transportation Noise II.	Matthew Kamrath Lisa Lavia
Mechanical System Noise	Eric Reuter, Shiu-Keung Tang
Noise Impacts and Soundscapes on Outdoor Gathering Spaces I	Brigitte Schulte-Fortkamp K. Anthony Hoover
Noise Impacts and Soundscapes on Outdoor Gathering Spaces II	Brigitte Schulte-Fortkamp K. Anthony Hoover
Perception of Tonal Noise	Joonhee Lee, Roland Sottek
Session in Honor of Kenneth Plotkin	Ben Sharp, Juliet Page Victor W. Sparrow Phillipe Blanc-Benon
Sonic Boom Noise I: Low Boom Technology, Propagation, Etc	Phillipe Blanc-Benon Victor W. Sparrow
Sonic Boom Noise II: Mach Cutoff, Turbulence, Etc	Phillipe Blanc-Benon Victor W. Sparrow

Sonic Boom Noise III: Community Exposure and Metrics	Phillipe Blanc-Benon Victor W. Sparrow
Sonic Boom Noise V: Turbulence, Predictions, and Measurements	Phillipe Blanc-Benon Victor W. Sparrow
Aircraft Noise and Measurements (Poster Session)	Victor W. Sparrow
Statistical Learning and Data Science Techniques in Acoustics Research	Jonathan Rathsam Edward T. Nykaza
Using Acoustic Standards in Education	William J. Murphy, Lawrence Feth, Massimo Garai
Urban Environment and Noise Control (Poster Session)	Bennett Brooks, Greg Watts
Wind Turbine Noise	Nancy Timmerman Paul Schomer, Robert Hellweg

7. Future Meetings

a. Fall 2017, New Orleans LA Dec 4-8, 2017

TPOM reps – **Bill Murphy, James Phillips, & Hales**

Deadline for abstracts – **July 10**

Acoustics and its Role in Accessibility (e.g. Americans with Disabilities Act)	Kathy M
Evaluation of Acoustics in Hospitals and Healthcare Facilities	Jay Bliefnick Jon Weber
Jet Aeroacoustics	Alan Wall
Urban Planning Using Soundscape	David Woolworth Brigitte Schulte Fortkamp
Wind Turbine Noise	Nancy Timmerman Paul Schomer
ASA Standards: Practical Applications of Acoustics in your Field	Christopher Struck

b. Spring 2018, Minneapolis, Minnesota, May 7, 2018

Final special session Google forms (<https://goo.gl/PtsaKF>)

To be put on TC NS website

Hearing protection: Impulse peak insertion loss and specialized HPDs	Elliott Berger & Cameron Fackler
Natural & Recreation Area noise The effects of natural quiet on recreation in Northeast Minnesota	David Braslau
Wind Turbine Noise	Robert Hellveg & Paul Schomer
Hearing health across a lifespan: Hearing screening from cradle to grave	William Murphy, Alexander Francis
Hearing protection: Impulse peak insertion loss, specialized hearing protection devices and fit-testing	Elliott Berger, Cameron Fackler, & William

	Murphy
Open source audio processing platforms	Odile Clavier & William Murphy
Ground borne and structure borne noise within sensitive spaces	James Phillips

- **Send James Phillips email from Bill Murphy**
 - **Jim already submitted form**
 - Bob Hellveg may be trying to come up with another session – TBD
 - Some concern with session, *The effects of natural quiet on recreation in Northeast Minnesota*
 - Should it be regional?
 - Should it involve soundscape somehow?
 - Proposed modification
 - *The effects of natural quiet on soundscapes of recreational areas*
 - Title may be changed later on
 - **Note:** Scholar One is going to die and needs to be updated.
 - **Who do we need to contact???**
- c. Fall 2018, Victoria, British Columbia**
- i. Wind Turbine Noise – David Michaud & ~~Paul Schomer~~
 - ii. Acoustic vehicle alerts and the soundscape – Brigitte Schulte-Fortkamp & Jeanine Botta
 - iii. Noise and vibration associated with fitness facilities (joint with AA, SA) – Matt Goldmen
 - iv. Structure borne noise due to building movement – Bonnie Schnitta
- d. Spring 2019, Louisville, Kentucky**
- e. Fall 2019, Not yet determined**
- f. Spring 2020 Chicago IL**
- g. Fall 2020, Cancun, Mexico**
- h. November 2021, Sydney Australia (proposed by Tech Council)**
- i. ASA & AAS hosted (we were approached by other organizations)
 - ii. Brian Ferguson & Marion Burgess – ASA cochairs
 - iii. Technical visits up for decision
 - iv. Those in favor (~20-25%)
 1. Difficult for young professionals & students – is this a concern???

7. Technical Council Items (William Murphy)

2019 being proposed as International Year of Sound

8. TC Noise Web Page (Cameron Fackler) – not discussed during meeting

- a) Website has been migrated to ASA site by Dan Farrell. If people have suggestions, we can work with Dan to get them incorporated.
- b) Decisions to be made on organization, i.e. subcommittees
- c) Subcommittee for Web content:

- a. Brigitte Schulte-Fortkamp, Matt Blevins, Christopher Buckley, Patricia Davies, Bonnie Schnitta (& Les Blomberg?) to be in contact via email prior to Boston meeting
- b. First contact made – needs to continue moving forward

9. Technical initiatives

New guidelines – standing approved funding of \$1000 for Young Investigator Award and \$3000 for travel support each year

- Let William Murphy know

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.

- Find information on standards webpage and submit

- **ITEMS approved at TC for technical Initiatives**

1. Participation in Acoustics in Underwater Geosciences Symposium Rio July 25-27 2017
2. Winter School on Therapeutic Ultrasound
3. Funding a session for budding scientists with invited talks by students and postdocs at Acoustics '17 in Boston
4. Concerts at New Orleans
5. Prize money – submit 7-minute video from TC NS

10. Other Items

- a) The Centers for Disease Control and Prevention Public Health Grand Rounds – It’s Loud Out There: Hearing Health Across a Lifespan. Presentation by John Eichwald, Deanna K Meinke, William J Murphy and Shelly K Chadha. Continuing Education Units Available for audiologists
- b) David Woolworth
 - i) Technical initiative – soundscape outreach in New Orleans, similar to Portland in 2011
 - (1) Looking into city planning, health department, community complaints, etc
 - ii) Passed in AA for \$5,000 – covering expenses for travel of bringing people in
 - (1) Portion of AIP grant already put toward this
 - iii) Building bridges in the city, community, etc
 - iv) Should this be joint with NS?
 - (1) Up for vote – **approved to be joint with AA** (split halfway)

1. William Murphy’s term as TC NS chair is up in Minneapolis
 - a. **If interested, contact Bill**

11. Next Meeting: New Orleans, Dec 7, 2017

Adjourn