

ACOUSTICAL SOCIETY OF AMERICA

177th Meeting of the
Acoustical Society of America
Louisville, KY
TC Noise Meeting Minutes
Thursday May 16, 7:30 p.m.
James Phillips, Chair

Attendance

Committee members: Jay Bliefnick, Patricia Davies, Cameron Fackler, Klaus Genuit, Kenneth Good, James Holtrop, K. Anthony Hoover, Derrick Knight, Alexandra Loubeau, David Lubman, William Murphy, Steven Pettyjohn, Eric Reuter, Bonnie Schnitta, Brigitte Schulte-Fortkamp, Victor Sparrow, Michelle Vigeant, Lily Wang, Douglas Winkler, David Woolworth, Ning Xiang

Guests: Kieren Smith, Ming Yang, Roland Sottek, Corey Taylor, Jim Weir, Matthew Boucher, Sean Harkin, Jen Scinto,, Jonathn Broyles, Connor McCluskey, Adwait Ambaskar, Luke Wade, Will Doebler, Scott Harvey, Keeta Jones, Siddarth Mamajan, Arezoo Talebzadeh, Jeanine Botta, Leisa Nalls, Daniel Russell, S. Hales Swift, Victoria Anderson, Jared Paine, Andrew Christian, Dana Hougland, Christopher Struck

Minutes from Victoria, BC - approved

Thank you to Louisville Organizers

1. Pavel Zahorik, Chair
2. Christian Stilp, Technical Program Chair
3. Olaf Strelcyk, James Shehorn, Signs
4. Brett Bachmann, Accompanying Persons
5. Shae Morgan, Maria Kondaurova, Student Coordination
6. Short Course on Electronic Speckle Pattern Interferometry
7. Tutorial Lecture on Computational Methods for Describing Acoustic Propagation in Forests
8. Hot Topics, Computational Acoustics, Structural Acoustics & Vibration, Biomedical Acoustics

Feedback:

AV issues- wireless mics for audience requested

Positive- socials with drinks at tables

A moment of silence was observed for the recent passing of the following members/past TCN members

Angelo Campanella, Jiri Tichy, Richard Lyon, William Thornton, Larry Royster

Workshop on Jet Noise (Alan Wall)

- Special Initiative for San Diego Meeting
- Day 1 (Thursday 5th): Special session on supersonic jet noise

- Day 2 (Friday 6th): Jet noise reduction workshop jointly with US jet noise reduction science panel
 - Luncheon associated with workshop
 - Reduced cost for student and early career members

Membership Report (Alex Case):

- Fellows of the Acoustical Society of America are recognized for their conspicuous service or notable contributions to the advancement or diffusion of the knowledge of acoustics or the fostering of its practical applications. ASA continuously seeks nominations for new Fellows, and TC Noise members are encouraged to nominate deserving peers.
- The Fellowship nominating process involves compilation of a dossier for each nominee. Necessary components of each dossier include: letter of nomination, at least two seconding letters, complete vitae of the nominee, and the proposed citation for the fellowship. To the extent possible, the dossier should be completed without the nominee's awareness of the process. The deadline for submitting completed dossiers is five weeks before the next meeting of the Society. It is important that the guidelines be followed, since dossiers are the bases of the Committee's recommendations. Letters are expected to provide insight into a nominee's most significant work in acoustics and the role that work has played in advancing the field of acoustics. Letters should be understandable to all Committee members, not only to those in closely related technical fields.
- Factors that may be considered in approving or disapproving a nomination for fellowship include: (1) Technical contributions to acoustics as evidenced, for example, by publications and presentations, patents, projects, service to the Society; (2) Participation in Society activities; (3) Contributions to the teaching or dissemination of knowledge of acoustics; (4) Leadership activities in other acoustical societies; and (5) Standards activities.
- Throughout the conference and after, you are encouraged to be on the lookout for folks who should be recognized in this way. You can initiate the process and/or reach out to a close colleague of the potential nominee to get the documentation started. Contact Alex Case (alex@fermata.biz) or speak to any Fellow if you have questions or comments.

Medals & Awards (Brigitte Schulte-Fortkamp):

- TCN eligible for Silver Medal nominations
 - 3 candidates have been identified
 - Brigitte and James Phillips will be reaching out to find nominators
 - Review committee
Brigitte Schulte-Fortkamp, Bennett Brooks, James Phillips +?

Leo & Gabriella Beranek Scholarship in Architectural Acoustics and Noise Control (\$30,000 1 Year)

- Committee: James Phillips (Chair), Eric Reuter, Tony Hoover, Alex Case, Carl Rosenberg (representing the Beranek family)
- 2019 recipient pending approval by Executive Council and announcement

Frank & Virginia Winker Memorial Scholarship for Graduate Study in Acoustics (\$3,000 1 Year)

- Committee: Christopher Struck (Chair), James Phillips, Eric Reuter, Gary Elko (alternate for Mike Haberman), Dan Russell
- 2019 recipient pending approval by Executive Council and announcement

Young Investigators Awards from Victoria

1) Kristi M. Ward

Investigating individual susceptibility to the detrimental effects of background noise and reverberation in simulated complex acoustic environments

2) Sarah E. Yoho

Relationship between perception of speech in noise and disordered speech: Influence of sensorineural hearing loss

3) Seonghun Im

Characterization of laptop computer noise and vibration using nearfield acoustic holography

Student Council (Kieren Smith): Welcome students

- Aaron Vaughn selected to replace Kieren who has been elected to Student Council President
- Student Council Mentorship Award Pending Council Approval (3 meeting cycle)
- Student events this meeting
- Connecting via social media
- asastudents webpage

Education & Outreach (Keeta Jones & Traci Neilson)

- **2020, International Year of Sound**
 - International Commission for Acoustics (ICA) has declared 2020 the International Year of Sound (IYS 2020)
 - Purpose is to highlight the importance of sound in all aspects of life on earth and will work towards an understanding of sound-related issues at the international level
 - ASA has been asked to nominate a coordinator to be the primary contact with the ICA IYS steering committee
 - See attached documents for more information
- **World Hearing Day, 3 March**

- World Health Organization
- Held on 3 March each year to raise awareness on how to prevent deafness and hearing loss and promote ear and hearing care across the world.
- Social Media growth pre and post March 3rd:
 - 558-->751 followers on FaceBook
 - 173-->211 followers on Instagram
 - 151-->169 followers on LinkedIn
 - 3,622-->3,682 followers on Twitter
- Wiki-Edit-a-Thon
 - 66 registered editors
 - > 70,000 words added
 - 90 articles edited
 - > 2.5 million views
- Edit-a-Thon Planned for Chicago meeting (details TBD)
- **International Noise Awareness Day (INAD)**
 - Jeanine Botta, Andy Chung,etc. (to be completed by email)
 - 7 ASA sponsored sound walks using Hush City sound app (Android and Apple-free, open source)
 - Student and regional chapter involvement
 - Chapters should stay in close contact with Keeta
 - Session on increasing noise awareness in society
 - Promoting ASA literature--social media campaign
 - Science of sound workshop for kids
 - Change INAD to general **Noise Awareness** sub-committee

ASA Foundation (Lily Wang)

- Please donate to the campaign for ASA Early Career Leadership (CAECL)!

Women in Acoustics (Michelle Vigeant)

- Mentoring program--need more people to sign up
- Dependent care subsidies--anyone who needs help with child/adult care to travel to meetings

Regional Chapters (Ken Good)

- Chapters Meeting Wednesday, 7:00am
- It is with great sadness we report the passing of Larry Royster in March. Larry was the founder of the North Carolina Chapter. Most notably, the Royster Competition is made possible by the generous support of Larry and Julia Royster. The Royster Competition is a chapter-run poster competition held once a year for a total of \$5000 in scholarships for student posters on the topic of Hearing Conservation and/or Noise Control.
- As you may recall the East, South East Asia Chapter has been added and has hit the ground running with a "Chartered / inauguration ceremony" and other planned activities.

- In April, Student Chapters were challenged to organize “sound walks” to celebrate the International Noise Awareness Day.
- Chapters are a great way to bring the National meeting home and engage folks who could or would not come to the national meeting. They are also great opportunities to coordinate with other organizations such as AIA, AES and more. As example the Philly Chapter recently hosted a joint meeting with the AES featuring AES Past President Alex Case.
- Exploring ways to keep in contact with chapters, especially students.

College of Fellows (Tony Hoover)

- Undergraduate students’ registration fees are \$25 for the Louisville meeting. CoF is urging Executive Council to continue this for future meetings, as part of investing in the future of ASA.
- CoF donated its (discretionary) Acoustic Society Foundation funds (\$9,253) to ASA Early-Career Leadership (CAECL - Campaign for ASA Early Career Leadership). <https://acousticalsociety.org/campaign-for-asa-early-career-leadership/>
- There are still some final tasks regarding compiling, collating, and checking the list of all ASA Fellows before year 2003, going all the way back to the 1930s (the first ASA Fellows), and including citations as available.
 - If you find typos, etc. let somebody (Tony) know
 - Article pending for Acoustics Today
- For the Louisville Society Luncheon and Lecture Hosted by CoF, Andy Cavatorta will present a lecture titled “Music, Machines, and Meaning”, about the surprising history of music and technology, his own work, the pleasures and perils of working in unexplored spaces, and the importance of fake rules. Thanks to TCN members who have volunteered to accompany the ticket-winning students to the Luncheon!
 - 27 students (2 per TC + student rep) sponsored to go to luncheon. Each is matched with a senior member volunteer already going to the luncheon. **Please volunteer!** You can hopefully sign up at registration and indicate your TC.
 - Possibly 2 more for Computational Acoustics

TC Noise Web Page (Leisa Nalls)

- Waiting for input from James Phillips

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 James Phillips 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 James know if you have any ideas for technical initiatives

Technical Initiatives approved at Technical Council (Victoria)

- \$5,000 to the Concert Hall Research Group
- \$5,000 to the Winter School on Therapeutic Ultrasound
- \$6,000 to the Jet Noise Reduction Workshop (Fall 2019)
- \$1,000 travel subsidies to send 50 students to Sydney, Australia (Fall 2021) – Down Under Funder
 - Unused funds from initiatives each year also applied to Down Under Funder

Proposed Technical Council Initiatives

- N/A

Editor-In-Chief Report (Jim Lynch)

- JASA Reflections
 - New monthly feature
 - Purpose: gain fast exposure to seminal literature
 - Compendium for 100th anniversary of ASA
 - Need volunteers to select seminal JASA articles on "Noise" published up to year 2000 and provide 1-2 page write-up on each
 - Exceptions for newer articles allowed for dramatic changes to the field
 - **Need article titles and reviewers for now**
 - At least one article, hopefully more (~5), per TC
 - Reflections Committee
 - Ning Xiang
 - Steve Pettyjohn
 - David Lubman
 - Patricia Davies (coordinate with INCE, student papers)
 - Hales Swift
 - Bill Murphy
- New JASA headings
 - Computational Acoustics
 - Acoustical Standards and Practice

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
 - Alan T. Wall, Air Force Research Lab, WPAFB
- JASA Express Letters Associate Editor for Noise (Eddie Lau, Alexandra Loubeau)
 - Peer reviewed
 - Quicker review and publication process
 - Shorter papers, smaller in scope than JASA
 - Open access
 - wav files and animations compatible with online publication
 - POMA (Kent Gee) – Associate Editors: Alan Wall, Cameron Fackler
 - **Please submit POMA papers**
 - **Does not preclude from further publishing**
 - Easy templates online (Word and LaTeX)
 - Special sessions eligible for summary papers
 - Education in Acoustics session promoted POMA- great opportunity for students to practice writing for journals

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
- There is a new Standards Manager: Nancy A. Blair-DeLeon
- ASACOS meeting on 14 April 2019 in Louisville
 - Read history of standards article in JASA
 - Standards video being shown now in lobby
 - Working Group reports will be automated in the near future to make it easier for W/G Chairs to report status.
 - There will be an outreach by ASACOS to attract more readers (a.k.a. sales) because the volume of sold standards is relatively low and is easily matched by the five free standards given as a benefit now of ASA membership.
 - Discussed “History of ASA Standards” in JASA Jan 2019
 - There will be a new JASA Category “Acoustical Standards and Practice” for publication in JASA
 - Organizational Membership of ASA Standards has been severely reduced- many companies cancelled, including large ones like Boeing. Thus income from that membership, for standards development and promulgation is much less than in the past.
 - The five-free standards approach may change to improve finances.

- In ISO TC12 there was a discussion to replace the term “decibel” (dB) with “neper” but it was defeated to the relief of many people.
- There is work in IEC on “modular meters,” which are those made up of power supplies, software, computers, and transducers, as opposed to traditional self-contained sound level meters. The reason is there is increasing use of systems to do measurement from National Instruments components to Apple iPhones and there is no clear standard to calibrate and determine uncertainty of these systems to date.

Derek Knight (Trane)

- Need a balanced community for review of standards
 - Involvement from consultants and others in development of HVAC related standards
 - Meets once in Spring, once in Fall in DC area (teleconferencing available)
 - Talk to Derek if interested

Executive Council Report

- Congratulate Bennett Brooks on election to EC
- How to get involved on membership page
- Process of becoming a member has been streamlined
 - Online. Two signatures on paper no longer needed (emails needed).
 - Associate Members encouraged to upgrade
- ASA meeting harassment policy developed
 - Anonymous reporting via [Stopit](#) App
 - The harassment policy and app are available on the Meetings page of the ASA website
- Technical Council Strategic Summit 2019, February, Tucson, AZ
 - Executive Council adopted a draft plan May 13
 - Four new task forces:
 - Identification and Promotion of Emerging Scientific/Technical Areas
 - Goal: ASA is the place to be
 - Better Engagement of Industry and Practitioners (i.e. non-academics)- Eric Reuter leading this group
 - Will reach out to TCs to understand what industry engagement means to them
 - Improved Communications and Public Relations
 - Reaching out in the right way to the right people
 - Member engagement outside of meetings
 - 4000-6000 members rarely, if ever, come to meetings
- Strategic Plan Champions
 - Met Thursday at 2:00 pm
 - New Task Forces formed from existing and new people
 - Look for Champions meetings at future ASA meetings
 - ~50-60 in attendance

- Formed ideas of who to bring in, short and long term goals, etc

Technical Council Requests

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Noise Special Sessions, Louisville, May 13-17 (57 papers)

1. 1aNS Acoustics of Healthcare Facilities (AA, ASACOS)
 - Jay Bliefnick
2. 1pNS Acoustic Vehicle Alerts: Effects on Soundscape, Quality of Life, and Traffic Safety (PP)
 - Jeanine Botta & Brigitte Schulte-Fortkamp
3. 2aNS Structure-Borne Noise in Buildings and What We Can Do About It (AA, SA, ASACOS)
 - Bonnie Schnitta & James Phillips
4. 2pNS Soundscape and its Application Based on the New Standard (AA, ASACOS, AB)
 - Brigitte Schulte-Fortkamp, Klaus Genuit, Bennett Brooks
5. 3pNS Noise at Sporting Events and Sports Venues (AA, SA)
 - Dan Russell & William Murphy
6. 4aNS Increasing Noise Awareness in Society
 - Brigitte Schulte-Fortkamp & William Murphy
7. 4pNSb Advances and Applications in Sound Quality Metrics (SP, PP)
 - S. Hales Swift & Patricia Davies

Fall 2019, San Diego, CA Special Sessions:

Meeting Chair: Peter Gersoft

Meeting postcard mailed and website released: June 3

Abstract Deadline: July 8

TPOM (August 15): William Murphy, Hales Swift, James Phillips

1. Supersonic Jet Aeroacoustics (PA, CA)
 - Alan Wall
 - Kent Gee
2. Workshop on Supersonic Jet Aeroacoustics
 - Alan Wall
 - Kent Gee
3. Quiet Supersonic Flights 2018
 - Jonathan Rathsam
 - Larry Cliatt
4. Transportation Noise from its Consequences to the Solution Set (AB, UW)
 - Bonnie Schnitta
 - James Phillips
5. Soundscape and Smart Cities (AA, ASACOS)
 - Brigitte Schulte-Fortkamp

- Bennett Brooks
- 6. Standardization in Soundscape- Application and Development (AA, ASACOS)
 - André Fiebig
 - Brigitte Schulte-Fortkamp
- 7. Outdoor Entertainment Noise
 - David Manley
 - Tony Hoover
- 8. Community Noise (ASACOS)
 - Eric Reuter
 - David Woolworth
- 9. Development of New Sounds for Electric Vehicles
 - Klaus Genuit
 - Brigitte Schulte-Fortkamp

Spring 2020, Chicago, IL Meeting Proposed Sessions

Link below to submit 1-sentence summary of sessions

Complete online form or send sentence to James by Friday morning to present to Technical Council

<https://tinyurl.com/ChicagoSpecialSessions>

1. Hearing Protection-submitted!
 - Cameron Fackler
 - Elliott Berger
 - William Murphy
2. Forty-one years of responding to external stimuli: a session in honor of Elliott Berger-submitted!
 - Cameron Fackler
 - Laurie Wells
 - William Murphy
3. Session in memory of Larry H. Royster-submitted!
 - Elliott Berger
 - William Murphy
 - Noral Stewart
4. Regulatory implications of findings about health consequences of transportation noise
 - Sanford Fidell
 - This session will include papers providing information on the regulatory implications of technical and popular accounts of adverse public health consequences of transportation noise exposure, followed by a panel discussion.
5. Impact of transportation noise on buildings
 - Ben Markham
 - James Phillips
 - The session will focus on noise impacts of transportation sources - rail, aircraft, vehicular - on buildings. Relevant topics include source characterization and

measurement, means of attenuation/mitigation, prediction methods, validation procedures, and others.

6. Soundscape Projects: Networking, Participation, and New Technology.
 - Antonella Radicchi
 - Brigitte Schulte-Fortkamp
 - Bringing together scholars and professionals to discuss current soundscape projects and establish new collaborations.
7. Memorial Session in honor of Richard Lyon
 - Patricia Davies
 - Greg Tocci

Sessions planned by others

- Memorial session for Jiri Tichy (AA)
 - Contact Vic Sparrow with questions
- Excellence in Acoustics Around the World (ID)
 - The session will support the International Liaison Committee in networking to increase international collaboration and communication in all matters of acoustics through recruiting international ASA members.

Future Meetings

- Fall 2020 Cancun, Mexico
<https://tinyurl.com/CancunTentativeSessions>
 1. Perception of Vehicle Noise
 - Patricia Davies
 - Roland Sottek
 2. Firing Range Noise
 - William Murphy
 - Ning Xiang
 3. Sound Walks
 - Steve Pettyjohn
 - Bennett Brooks
 4. Noise Standards
 - Chris Struck
 5. Archaeoacoustics
 - David Lubman
 - Steve Pettyjohn

*Soundwalks for archaeological colleagues, visit of Chichen Itza

- Spring 2021 Portland, OR (pending site visit)
- Fall 2021 Sydney, Australia

New Business

- David Woolworth- call for videos submitted by TCs (AIPP helps with production/dissemination?)
 - What are soundscapes?
 - NIOSH, OSHA, noise, rules, etc-educational
 - Look at special sessions for ideas for videos
 - Restaurant Acoustics
 - Start with an outline (use standards video as template)
 - Get footage at meetings
 - Champion: David Woolworth
 - Needs ideas from the committee
- Tony Hoover- acknowledgement of William Cavanaugh who won a gold medal at this meeting.

Adjourn