

Structural Acoustics and Vibration Technical Committee

Open Meeting

169th ASA Meeting in Pittsburgh, Pennsylvania

19 May 2015

7:30 p.m.

Commonwealth 1

Agenda

1. Call To Order
2. Agenda
3. Approval of the 168th ASA Meeting minutes from Indianapolis, Indiana

Reports

4. Topics from the Technical Council Meeting
 - ASA Strategic Leadership for the Future
 - Report of Strategic Leadership for the Future Initiative
 - To be available soon
 - Goals:
 - Awareness of Acoustics
 - Membership Engagement and Diversity
 - Dissemination of Information
 - Financial Stewardship
 - Proposal to drop ASA Secretariat position on ISO Technical Committee 108, Subcommittee 5 (TC-108 SC5) Condition monitoring and diagnostics of machine systems. (Susan Blaeser)
 - Purpose of maintaining the Secretariat position is for ASA to be the international leader
 - Not part of ASA mission nor is ASA the international leader
 - Proposal includes that we maintain secretariat of ISO TC 108 Mechanical vibration, shock and condition monitoring
 - Remember that all members may download up to 5 free ASA/ANSI standards per year.
 - Can now include nationally adopted ISO standards for the reduced price of \$35/each.
5. Report from Student Council: Matthew Kamrath
6. Report from Medals and Awards Committee: Sabih Hayek

7. Membership Committee: James Phillips for Kai Ming Li
Need volunteer to attend membership meeting Wednesday, 12:00 pm – 3:00 pm, Ft. Pitt
8. ASACOS: Robert Koch
9. SAVTC webpage update - Brian Anderson

Meetings

10. 168th ASA Meeting, Indianapolis, IN, October 27-31, 2014
Ken DeJong, Patricia Davies, Co-chairs

Winners of The Best Paper Awards for Students and Young Presenters for SAVTC at the 167th ASA Meeting in Providence

1st Place

Daniel Plotnick, Washington State University

Reversible quasi-holographic line-scan processing for acoustic imaging and feature isolation of transient scattering

2nd Place

Rui Cao

Improved model for coupled structural-acoustic modes of tires

Thank you to Ben Shafer for organizing the student and young presenter paper awards in Indianapolis.

11. 169th ASA Meeting, Pittsburgh, PA, May 18-22, 2015
Robert Keolian, Matthew Poese, Co-chairs
 - a. 64 SAV papers total: 25 invited, 39 contributed
 - Thank you to the following special session organizers: Piervincenzo Rizzo, Robert Koch, Christina Naify, Michael Haberman, Micah Shepherd, John Fahnlne, Kuangcheng Wu, Jeffrey Cipolla, Marcel Remillieux, Daniel Russel
 - Technical Program Organizer: Robert Koch
 - b. Student and young presenter paper awards: Ben Shafer
 - There are **23** student and young presenter award contestants at the this meeting
 - Help needed to handout & collect judging forms
 - c. Society Luncheon and Lecture, Thursday, 12:00 – 2:00 pm, Indiana E
 - Roger B. Dannenberg, Professor of Computer Science, Art, and Music at Carnegie Mellon University
 - Automating Music Understanding

12. 170th Meeting, Jacksonville, FL, November 2-6, 2015
Richard Morris, Chair

a. **Final** Special Sessions:

- **Nonlinear Techniques for Nondestructive Evaluation:** Chair, Brian Anderson
- **Transient Nearfield Acoustical Holography:** Chair, Nicolas Valdivia
- **SAV in Buildings:** Co-chairs, Ben Shafer and James Phillips
- **Standards in SAV:** Chair, Ben Shafer
- **Flow-induced Vibration:** Chair, Robert Koch
- **Novel treatments in vibration damping:** Chair, Ken Cunefare
- **Aircraft interior noise reduction:** Chair, Hasson Tavossi

b. Student and young presenter paper awards: Benjamin Shafer (Confirmed)

c. Technical Program Organizer: Ben Shafer?

d. Need volunteer for “Take a Student to Society Lunch”

- One student paired with representative from each Tech. Comm.
- Students paired with members via raffle at Student Reception on Wednesday evening (6:00 pm – 7:30 pm, Commonwealth 2)
 - Volunteers should attend if possible
- Contact Camilo Perez, camipiri@uw.edu

13. 171st Meeting, Salt Lake City, Utah, May 23-27, 2016
Scott Sommerfeld, Chair

a. **Finalize** Special Sessions:

- Wave number transform methods: Micah Shepard and Matthew Shaw
- Active Structure control: Ben Shafer
- Building isolation from seismic and ground-borne vibration: Co-Chairs: James Phillips and Hasson Tavossi
- Real-world instructive case studies in structural acoustics and vibration: Co-Chairs: Robert Koch and Elizabeth Magliula
- Computation methods in structural acoustics and vibration: Chair: Robert Koch
- Analysis of Vibration Based Musical Instruments: Chair Dan Russell & Brian Anderson:
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b. TPO: Benjamin Shafer?

c. Student and young presenter paper awards: Benjamin Shafer

d. ASA School 2016

14. 172nd Meeting, Honolulu, Hawaii, Fall2016

David Adams and Whitlow Au, co-chairs

a. **Preliminary** Special Sessions:

To be finalized in Jacksonville and coordinated with ASJ counterpart, including assigning session co-chairs from ASJ

ASJ has provided a list of proposed sessions. We need to assign ASA co-chairs.
(open spreadsheet)

- Fluid flow induced vibration and noise – Kuangcheng Wu & Bob Koch
- Non-contact vibration excitation and sensing techniques – Scott Sommerfeldt & Brian Anderson
- Meta-materials – Jeff Cipolla and/or Christina Naify and/or Michael Haberman
- Building vibration analysis, measurement and mitigation – James Phillips & Hasson Tavossi
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b. TPO: Benjamin Shafer

c. Student and young presenter paper awards: Benjamin Shafer

15. 173rd Meeting/Acoustics 17, Joint ASA/EAA meeting in Boston, MA, Spring 2017

Damian Doria, ASA Chair

a. **Tentative Preliminary** Special Sessions:

- Metamaterials – Christina Naify
- Vibration of sport equipment – Dan Russell
- Novel techniques for nondestructive evaluation – Brian Anderson
- Energy methods in structural acoustics and vibration – Don Bliss & Linda Franzoni

- Groundborne vibration from transit systems – James Phillips
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b. The TPOC will consist of the newly elected Technical Committee Chairs plus the TC chairs with terms to 2016 and 2017.

c. Student and young presenter paper awards: Benjamin Shafer

16. Future meetings:

174th Meeting, New Orleans, Louisiana, December 4-8, 2017

175th Meeting, Minneapolis, Minnesota, Spring 2018

176th Meeting, Victoria, British Columbia, Fall 2018

177th Meeting, Louisville, Kentucky, Spring 2019

180th Meeting, Cancun, Mexico, Fall 2020

ICA proposes 2019 to be The International Year of Sound

17. Technical Initiatives

- \$1000 approved to pay shipping charges for equipment/materials for “Demonstrations in Structural Acoustics and Vibration” at this meeting (Dan Russell).

18. New Business

19. New Chair of SAVTC for 2015 – 2018: Robert Koch

20. Adjourn