

Structural Acoustics and Vibration Technical Committee

Open Meeting

170th ASA Meeting in Jacksonville, Florida

3 November 2015

7:30 p.m.

Daytona

Agenda

1. Call To Order
2. Agenda
3. Approval of the 169th ASA Meeting minutes from Pittsburgh, Pennsylvania

Meetings

4. 169th ASA Meeting, Pittsburgh, PA, May 18-22, 2015
Robert Keolian, Matthew Poese, Co-chairs

Winners of The Best Paper Awards for Students and Young Presenters for SAVTC at the 169th ASA Meeting in Pittsburgh

1st Place

Kritika Vayur, Pennsylvania State University

Vibrational analysis of hollow and foam-filled graphite tennis rackets

2nd Place

Timothy Daniel, Washington State University

Magnetic excitation and identification of flexural modes of a circular plate

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

5. 170th Meeting, Jacksonville, FL, November 2-6, 2015
Richard Morris, Chair s
 - a. 40 SAV papers total: 22 invited, 18 contributed
 - Thank you to the following special session organizers: Brian Anderson, Ken Cunefare, James Phillips, Ben Shafer, Robert Koch
 - Technical Program Organizer: Robert Koch

- b. Student and young presenter paper awards: SAVTC team effort in Ben Shafer's absence
 - There are (only) **5** student and young presenter award contestants at this meeting
 - James Phillips, Brian Anderson, and Ken Cunefare (who could use a helper for 1 presenter Thurs 2:30-4:30PM) to handout & collect judging forms
 - Ken Cunefare could use a helper for 1 presenter Thurs 2:30-4:30PM forms
- c. Society Luncheon and Lecture, Thursday, 12:00 – 2:00 pm, Grand Ballroom 4
 - Joseph Travis, Robert O. Lawton Distinguished Professor, Florida State University
 - “Approaches to science, falsification vs. hypothetico-deductive, and some of the consequences of failing to recognize the limitations of each”
 - New policy: Member/student pairing now made during online pre-registration
- d. ASA's Students Meet Members for Lunch program
 - New “approach” led to large increase in number of interested students for Jacksonville
 - Call out from ASA to assist David Blackstock. See Elaine Moran if interested.
 - New pairing process to be developed for Salt Lake City.

6. 171st Meeting, Salt Lake City, Utah, May 23-27, 2016
 Scott Sommerfeldt, Chair

a. **Final** Special Sessions:

- **Wavenumber Transform Methods:** Co-Chairs, Micah Shepard and Matthew Shaw
- **Active Control of Structures and Their Radiation:** Chair, 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:

- b. TPO: Benjamin Shafer? (Backup, if required: Robert Koch)

- c. Student and young presenter paper awards: Benjamin Shafer?
- d. ASA School 2016

7. 172nd Meeting, Honolulu, Hawaii, Fall 2016
David Adams and Whitlow Au, co-chairs

a. **Finalize** Special Sessions:

Must be finalized in Jacksonville and coordinated with ASJ counterparts.

ASA/ASJ has worked together to compile a combined list of Special Sessions. We need to try and assign ASJ co-chairs for the following ASA Special Sessions: (open spreadsheet, discuss ideas)

- Session in honor of Allan Pierce: Chair, Sean Wu
- Building vibration analysis, measurement and mitigation: Co-chairs, James Phillips & Hasson Tavossi
- Dynamics of Ribbed Structures: Co-chairs, Andrew Hull & Elizabeth Magliula
- Fluid flow induced vibration and noise: Co-chairs, Kuangcheng Wu & Robert Koch
- Metamaterials: Co-chairs, Jeff Cipolla, Christina Naify, and Michael Haberman
- Non-contact vibration excitation and sensing techniques: Co-chairs, Scott Sommerfeldt & Brian Anderson

b. TPO: Benjamin Shafer?

c. Student and young presenter paper awards: Benjamin Shafer

8. 173rd Meeting/Acoustics 17, Joint ASA/EAA meeting in Boston, MA, Spring 2017
Damian Doria, ASA Chair, Robert Koch, Technical Chair

a. **Preliminary** Special Sessions:

- Metamaterials: Chair, Christina Naify
- Vibration of sports equipment: Chair, Dan Russell
- Novel techniques for nondestructive evaluation: Chair, Brian Anderson
- Energy methods in structural acoustics and vibration: Co-chairs, Don Bliss & Linda Franzoni
- Groundborne vibration from transit systems: Co-chairs, James Phillips
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b. The TPOC will consist of the newly elected 2015 Technical Committee Chairs plus the TC chairs with terms to 2016 and 2017.

c. Student and young presenter paper awards: Benjamin Shafer

9. Future meetings:

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

175th Meeting, Minneapolis, Minnesota, 7-11 May, 2018

176th Meeting, Victoria, British Columbia, Canada, 6-9 November 2018

177th Meeting, Louisville, Kentucky, 13-17 May, 2019

178th Meeting, TBD, Fall, 2019

179th Meeting, Chicago, Illinois, Spring, 2020

180th Meeting, Cancun, Mexico, Fall 2020

Note: ICA proposes 2019 to be The International Year of Sound

Reports

10. Topics from the Technical Council Meeting

11. Report from Student Council: Matthew Kamrath

12. Report from Medals and Awards Committee: Sabih Hayek

13. Membership Committee: James Phillips for/or Kai Ming Li

- Need volunteer to attend Membership Committee meeting Wednesday, 12-3 PM, Boardroom 3 ?

14. ASACOS: Robert Koch

15. NEW: Report from SAVTC Liaison to Education in Acoustics TC: Matthew Kamrath

Note: Education in Acoustics TC meets Wed PM (after SAVTC meeting)

16. SAVTC webpage update - Brian Anderson

17. SAVTC Invited to Publish SAV TC Report for Summer 2016 issue of Acoustics Today:

- Intent is to discuss TC's purpose and interests, and careers
- Articles cover science AND "how people come to the field"
- Approx. 2,000 words
- Author options:
 - a) Robert Koch
 - b) Other SAVTC member
 - c) Combination of (a) and (b)?

18. Notice from the ASA College of Fellows Steering Committee:

- *“The College of Fellows Steering Committee (CoF) notes that the reason for the “Fellow” ribbons is to identify Fellows as persons who may be able to assist with questions about the Society, its meetings, activities, possible career advice, or other issues. The goal, which is generally shared by all Fellows, is to offer active service and assistance to all members of the Society.”*

19. Technical Initiatives

20. New Business

21. Adjourn