

Structural Acoustics and Vibration Technical Committee

Technical Committee Meeting
167th ASA Meeting in Providence, Rhode Island
6 May 2014
8:00 p.m.

Minutes

1. Called To Order by James Phillips at 8:00pm

In attendance: James Phillips (Chair), Matthew Shaw (Student Council), Donald Bliss, Jeffrey Boisvert, Ken Cunefare, David Feit, Kenneth Foote, Linda Franzoni, Jerry Ginsberg, Sabih Hayek, Matt Kamrath, Bob Koch, Christina Naify, Allan Pierce, Dan Russell, Angie Sarkissian, Ben Shafer, Scott Sommerfeldt, Eric Ungar, Nicholas Vlahopoulos, Earl Williams, Kuangcheng Wu, David Burnett, Nicolas Valdivia, Pegah Aslani, Peter Kerrian, Claudio Notarangelo, Troy Taylor, Kritika Vayur, Krista Michalis, David Raudales, Joe Cuschieri

2. Agenda

3. Approval of the 166th ASA Meeting minutes from San Francisco, California Motion by Sabih Hayek, Second by Eric Ungar, voting unanimous

3a. Pittsburgh ASA Meeting TPOM plan – Bob Port

Virtual TPOM – expensive to get there, problem with finding volunteers
Sabih Hayek – Missing proximity, seeing rooms, working together between TCs
Bob – Room layouts/maps provided
Ken Cunefare – Interaction is important
Scott Sommerfeldt – traditional TPOM as backup (redundancy)
Bob – Elaine's staff supportive of virtual method

4. Winners of The Best Student Paper Awards at the 166th ASA Meeting in San Francisco

1st Place

Aldo Glean, Catholic University of America, Washington D.C.
Modification of the spectral response of a pipe resonator using a subordinate array of coupled Helmholtz resonators

2nd Place

Matthew Kamrath, Pennsylvania State University, University Park, Pennsylvania
A plane wave method for modeling acoustic variables in cavities

Thank you to Ben Shafer for organizing the student papers awards in San Francisco.

5. 167th ASA Meeting, Providence, RI, May 5-9, 2014

James Miller, Gopu Potty, Co-Chairs; James Lynch, Technical Program Chair

- a. 74 SAV papers total: 45 invited, 29 contributed
 - Thank you to the following special session organizers: Robert Koch, Christina Naify, Michael Haberman, David Feit, Dean Capote, Calum Sharp, James Phillips, Sabih Hayek, Michael Jandron, Matthew Shaw
 - Thank you to Robert Koch, SAVTC TPOM representative

 - b. Student paper awards: Ben Shafer
 - There are **19** young presenter award contestants at the 167th ASA Meeting in Providence!
 - We need volunteers to cover Sessions 4pSA (Thursday p.m.) and 5aSA (Friday a.m.).
 - Bob Koch, chair of both sessions, volunteered to distribute and collect judging forms.

 - c. Society Luncheon and Lecture: Tom Austin, Principal Engineer, Ocean Systems Laboratory, Woods Hole Oceanographic Institution
 - Tracking multiple sharks with high spatial and high temporal resolution
 - Volunteers are requested from each TC to take a student with them (students chosen by raffle at Student Reception, Wednesday evening)
 - Joe Cuschieri has volunteered.

 - d. ASA School, May 3-4, 2014
 - Two day course for graduate students and early career acousticians
 - Lectures by 10 prominent acousticians
 - Roundtables, demonstrations and discussion groups
6. 168th ASA Meeting, Indianapolis, IN, October 27-31, 2014
 Patricia Davies, Kenneth DeJong, Co-Chairs; Robert Port, Technical Program Chair
- a. **Final** Special Sessions:
 - Vibration reduction in air-handling systems: Ben Shafer
 - Structure-borne noise and vibration control for medical equipment: James Phillips
 - Nearfield acoustical holography: Sean Wu
 - Vehicle interior cabin noise: Sean Wu
 - Computational methods in SAV: Robert Koch, Co-chair Matthew Kamrath

 - b. TPOM on July 11-12, 2014, TPOM Representative: Ben Shafer

 - c. Student paper awards: Benjamin Shafer

- d. ASA Résumé Help Desk (David Dowling)
 - Looking for ASA members with experience reviewing résumés and hiring to provide tips, comments, and suggestions to ASA members who would like feedback on their résumé, cover letter, teaching/research statements, etc.
 - During lunch on Tuesday, Wednesday, and Thursday (box lunches will be provided for reviewers)
 - Ken Cunefare and Ben Shafer

7. 169th ASA Meeting, Pittsburgh, PA, May 18-22, 2015

Robert Keolian, Matthew Poese, Co-chairs

a. **Finalize** Special Sessions:

- Vibro-Acoustics of Mining Equipment: Chair-Marcel Remillieux
- Non-Linear Techniques For Non-Destructive Evaluation: Chair-Brian Anderson
- Time-Domain Methods: Co-Chairs-Micah Shepherd and John Fahnlne
- Blind Sources Localization and Separation: Chair-Sean Wu (co-sponsored with Signal Processing)
- Demonstrations in Structural Acoustics (co-organized with EDCOM): Chair-Dan Russell Co-chair Peter Kerrian
- Acoustic metamaterials: Chair-Christina Naify
- General topics in Structural Acoustics and Vibration: Chair- Kuangcheng Wu

b. TPOM on January ??? 2015, TPOM Representative: Robert Koch

To be conducted remotely, with standard TPOM as backup. May have initial meeting during Indianapolis meeting.

Bob to represent as TPO (elected unanimously)

c. Student paper awards: Benjamin Shafer

8. 170th Meeting, Jacksonville, FL, November 2-6, 2015

Richard Morris, Chair

a. **Plan** Special Sessions:

- Transient Nearfield Acoustical Holography: Chair-Nicolas Valdivia
- SAV in Buildings: Co-chairs-Ben Shafer and James Phillips
- Ground vibration from drilling/hydraulic fracturing
- Review and discussion of Standards in SAV: Chair, Ben Shafer

- Flow-induced Vibration: Chair, Bob Koch
- b. TPOM on ??? 2015, TPOM Representative: Bob Koch
- c. Student paper awards: Benjamin Shafer
9. Future meetings:
- 171st Meeting, Salt Lake City, UT, Spring 2016
 - 172st Meeting, Honolulu, HI, Joint with Acoustical Society of Japan, Fall 2016
 - 173rd Meeting, Joint ASA/EAA meeting in Boston, MA, Spring 2017
10. Report from Student Council: Matthew Shaw/Matthew Kamrath
- Student activities
 - New Student Orientation
 - Meet and Greet
 - Student Reception – W 6:30-8:00pm
 - ASA Jam – W 8:00pm-11:45pm
 - Check out our twitter feed/facebook for updates to student activities throughout the week (@ASASTudents)
 - NEW - student feedback on website
 - ASA Student Council Mentor Award: The next one will be awarded in Pittsburgh, Spring 2015 nominations due before the Indianapolis meeting, check website for details
11. Report from Medals and Awards Committee: Sabih Hayek
- One nominee for Gold Medal
 - Two nominees for R. Bruce Lindsay Award
12. Membership Committee: Kai Ming Li
- Not present (Chair's note: SAVTC has one nominee for Fellow to be announced in Indianapolis)
13. ASACOS: Robert Koch
- New website hard to manage – voted on changes
 - Fee to stay the same
14. SAVTC webpage update - Brian Anderson
- Still waiting for template to be developed
15. Topics from the Technical Council Meeting
- Chair of Tutorials recommended that there be short tutorials at beginning of sessions sponsored by two or more TCs. Somebody from each TC should explain their perspective on the problem addressed in the session. Could be part of an extended Chair's Introduction (e.g. 15 minutes instead of the usual 5 minutes).

- ASA Publications has surplus books they are willing to give away for free (shipping included). Will only send minimum of 50 books to an address (e.g. a university, regional chapter, etc). Need names and addresses of coordinators willing to collect and distribute orders. James Phillips will provide list of books and order forms to those interested.
 - Sabih Hayek, PSU; Bob Koch, NUWC Newport; Earl Williams, DC area; Ken Cunefare, GT; Don Bliss, Duke/NC; Joe Cuschieri, Florida Atlantic
- Allan Pierce – Society going to print on-demand

16. Acoustics – A Textbook: Jerry Ginsberg

17. Technical Initiatives

- Funds for shipping of demonstration equipment for session in Pittsburg – Dan Russell to inquire about amount and email to James. (Chair’s note: James Phillips submitted a technical initiative proposal for \$1000 at the Friday Technical Council meeting and it was approved.)

18. New Business

19. Adjourn

- Ben Shafer motion, second Jerry Ginsberg, voting with feet, meeting adjourned at 9:15 pm.