

## Structural Acoustics and Vibration Technical Committee

Open Meeting

172nd ASA Meeting in Honolulu, Hawaii

29 November 2016

7:30 p.m.

South Pacific I

### Agenda

1. Call to Order
2. Honolulu Meeting Agenda (additions or other modifications)
3. Approval of the 171<sup>st</sup> ASA Meeting Minutes from Salt Lake City, Utah

### Meetings

4. 171<sup>st</sup> Meeting, Salt Lake City, UT, 23-27 May, 2016  
Scott Sommerfeldt, Chair, Brian Anderson & Jon Blotter, Co-Technical Chairs

Winners of The Best Paper Awards for Students and Young Presenters for SAVTC at the 171<sup>st</sup> ASA Meeting in Salt Lake City:

#### 1st Place

Peter Kerrian, Penn State University  
The problem of the noisy golf club

#### 2nd Place

Pegah Aslani, Brigham Young University  
Experimental active control of cylindrical shells using the weighted sum of spatial gradients control metric

Thank you to Ben Shafer organizing the student and young presenter paper awards in Salt Lake City.

5. 172<sup>nd</sup> Meeting, Honolulu, Hawaii, November 28–December 2, 2016  
David Adams and Whitlow Au, Co-chairs
  - a. 91 SAV papers total: 31 invited, 60 contributed (including 9 poster format)
    - Thank you to the following special session organizers: Benjamin Shafer, Christina Naify, Michael Haberman, Jeff Cipolla, Elizabeth Magliula, Andy Hull, Brian Anderson, Scott Sommerfeldt, James Phillips, Hasson Tavossi, Yoshihiro Hirao, Robert Koch, and Kuangcheng Wu
    - Technical Program Organizer: Benjamin Shafer

- Student and young presenter paper awards: Benjamin Shafer
  - There are **21** student and young presenter award contestants at this meeting
- b. ASA's Students Meet Members for Lunch program
  - New approach led to large increase in number of interested students since Jacksonville (same at Honolulu)
  - Recent call out from ASA to assist David Blackstock. See Elaine Moran if interested
- c. ASA broadcasting/recording 29 (up from 19) sessions, three TC Meetings (AB, NS, PP), and the 'Education In Acoustics' admin committee meeting at the Honolulu meeting

6. 173<sup>rd</sup> Meeting/"Acoustics '17 Boston" Joint ASA/EAA meeting in Boston, MA, 25-29 June 2017

Damian Doria, ASA Chair, Robert Koch, ASA Technical Program Chair

a. **Final** Special Sessions:

Finalized in Salt Lake City and now coordinated with EAA co-chair counterparts.

- **Acoustic metamaterials:** Co-chairs, Christina Naify and Yun Jing (PA TC) (EAA co-chair Jose Sanchez-Dejesa from Valencia Polytechnic University)
- **Acoustics and vibration of sports and sports equipment:** Chair, Dan Russell
- **Novel techniques for nondestructive evaluation:** Co-chairs, Brian Anderson and Marcel Remillieux (EAA co-chair Sylvain Haupert)
- **Energy methods in structural acoustics and vibration:** Co-chairs, Don Bliss and Linda Franzoni (EAA co-chair Otto von Estorff)
- **Groundborne noise and vibration from transit systems:** Chair, James Phillips  
[Update: James plans to find a local/Boston-area co-chair for this session?]
- **Novel treatments in vibration damping:** Chair, Kenneth Cunefare (EAA co-chair Manuel Collet)
- **Numerical methods and benchmarking in computational acoustics:** Co-chairs, Robert Koch and Micah Sheperd (EAA co-chairs Manfred Kaltenbacher and Steffen Marburg)
- **Probabilistic finite element analysis and uncertainty quantification in vibroacoustic problems:** Chair, Micah Sheperd (EAA co-chair Kheirollah Sepahvand)

b. Student and young presenter paper awards: Benjamin Shafer

c. TPO: Robert Koch & Benjamin Shafer (Boston Virtual TPOM: 16 Feb 2017)

d. Notes on Boston Meeting:

- Boston meeting runs Sunday – Thursday (not the usual Monday-Friday)  
(thus our SAV TC meeting in Boston will be on that Monday evening)
- All papers 20 minutes in length (not usual 20 minutes Invited, 15 Contributed)
- Boston presentation start times are synchronized across all sessions  
(e.g., all papers start at 8AM, then 8:20AM, etc.)

e. Upcoming 2017 dates for the Boston TPOM:

- 11 November 2016: Call for Papers posted online
- 9 January 2017: Abstract deadline
- Dates TBD January: TPOs work with session organizers to make preliminary schedules for each session
- Dates TBD January: each TC submits their draft sessions schedules (preferred day/time, invited and contributing speakers in order)
- Dates TBD January: Tech Chair (Koch) with advisors, takes these and formulates the first draft meeting schedule in ScholarOne, iterating as needed with individual TPOs and session organizers.
- Dates TBD January: "pre-virtual TPOM meeting" - Tech Program Chair (Koch) meets more formally with other ASA/ & EAA Co-chairs of meeting and other advisors to finalize draft complete schedule and complete entry in ScholarOne by 13-14 February.
- 16 February 2017: the formal Virtual TPOM with all TPOs from ASA and EAA attending, Tech chair, meeting co-chairs, etc. Final product is the full final schedule in ScholarOne. "In-person" TPOM held at same time in Hynes Convention Center, including tour and handling/discussing/organizing other items; the ASA & EAA TPOs and others.

7. 174<sup>th</sup> Meeting, New Orleans, Louisiana, 4-8 December 2017  
XXX Chair

a. **Finalize** Special Sessions:

Must be finalized in Honolulu.

- Acoustic Metamaterials: Chair, Christina Naify
- Standards in structural acoustics and vibration: Chair, Benjamin Shafer  
(ASACOS Standards committee has agreed to co-sponsor the session)
- Uncertainty modeling in structural acoustics and vibration: Co-chairs, Micah Shepherd and Kuangcheng Wu
- SAV applications of FEA, BEA, and SEA Computational Methods: Co-chairs, James Phillips and Elizabeth Magliula
- Active noise and vibration control: Co-chairs, Scott Sommerfeldt and Jon Blotter

b. Technical Program Organizer: Benjamin Shafer

c. Student and young presenter paper awards: Benjamin Shafer

8. 175<sup>th</sup> Meeting, Minneapolis, Minnesota, 7-11 May, 2018  
XXX Chair

a. **Preliminary** Special Sessions:

SAVTC must set Preliminary Special Sessions in Honolulu. Sessions must be finalized in Boston, June 2017.

- Metamaterials: Chair, Christina Naify ?
- Noise and vibration in rotating machinery: Chair, Robert Koch
- XXX
- XXX
- XXX
- XXX

Brainstormed Special Session Topic Ideas:

- others ?
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b. TPO: Benjamin Shafer (Virtual TPOM in ~August 2017)

c. Student and young presenter paper awards: Benjamin Shafer

9. Future meetings:

176<sup>th</sup> Meeting, Victoria, British Columbia, Canada, 5-9 November 2018

177<sup>th</sup> Meeting, Louisville, Kentucky, 13-17 May, 2019

178<sup>th</sup> Meeting, TBD, Fall, 2019

179<sup>th</sup> Meeting, Chicago, Illinois, Spring, 2020

180<sup>th</sup> Meeting, Cancun, Mexico, Fall 2020

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

## Reports

10. Topics from the Technical Council Meeting:
  - ASA Strategic Leadership for the Future
  - ASA broadcasting/recording 29 sessions plus TC/Admin meetings at Honolulu meeting
  - Revised Technical Initiatives
    - Recall, for 2016 (Honolulu meeting) and 2017 (Boston meeting), TC Council voted for an extra \$3K per TC budgeted for Invited Speaker travel
11. Report from Student Council: Tyler “TJ” Flynn (This is TJ’s first ASA meeting as the SAV TC Student Council Rep, Thanks again to outgoing Matt Kamrath !)
12. Report from Medals and Awards Committee: James Phillips (relieved Sabih Hayek as SAV TC rep for trial run through ASA Spring 2017 meeting)
13. Report from Membership Committee: TBD (Kai Ming Li stepping down as rep, need to find new Fellow rep!)
14. ASACOS: Robert Koch
15. Report from new SAVTC Liaison to Education in Acoustics TC: Matthew Kamrath
16. Report on SAVTC webpage update - Brian Anderson
  - Recall Brian funded by SAVTC Web Maintenance Technical Initiative (\$500 per year for 2016 and 2017)
  - We need more SAV website content
17. SAVTC Published SAV TC Report in Fall 2016 issue of ‘Acoustics Today’
  - Intent was to discuss SAV TC’s purpose and interests, and careers in SAV
  - Article covered both science and “how people come to the field”
  - Authors: Christina Naify, Robert Koch
18. Technical Initiatives for 2016
19. Early Career Acoustician Retreat 2016
20. New Business
21. Adjourn