

MINUTES

TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

167th Meeting of the Acoustical Society of America
Providence

Tuesday 6th May 2014

7:30 PM

Room 555 A/B

Chair: **Kenneth W Good Jr**

Secretary: **Erica Ryherd**

I. Welcome and Introductions

- Welcome, especially to first time attendees and students.
- Please mark attendance list and verify your contact information.
- Consider joining this committee. If you have or soon will present papers, chair special sessions, and wish to contribute to the success of the ASA through subcommittee participation, indicate your desire to join this committee on the attendance list.
- Bob Porte (TC Program Chair)
 - Bob introduced the new TPOM system to begin with the Indianapolis meeting. A software system will be used to coordinate session scheduling and do other TPOM duties in lieu of actually attending a TPOM meeting in person. Each TC will appoint two Technical Program Organizers (TPO) to serve as representatives in this project. The TPO will be a two year term, with one person rotating off and another person rotating on each year, to ensure one year of overlap. Damian Doria has agreed to serve as the first TPO.

II. Previous Minutes

- Additions/corrections?
 - The previous minutes were accepted
- TCAA Meeting Agenda and Minutes are published on the TCAA website <http://tcaa.acosoc.org/meetings.html>

III. Acknowledgements

- **James H. Miller**, and **Gopu Potty** (General Chair)
- **James Lynch** (Technical Program Chair)
- **Tim Foulkes** (TPOM Rep)
- Session Chairs: Kenric Van Wyk, Daniel Horan, Edward L. Logsdon, Lucky S. J. Tsaih, Gary W. Siebein, William J. Cavanaugh, Alex U. Case, K. Anthony Hoover, Philip W. Robinson, Frederick J. Gallun, Bennett C. Brooks, Juergen Bauer, Lily M. Wang, Ingo Witew

- Paper Presenters:

IV. Congratulations!

- New Fellows:
 - i. David Schwin
 - ii. Bridget Shield
 - iii. Joseph Soker

V. Chair's Report

- Comments on this meeting:
 - Room acoustics are pretty good
 - Mobile app:
 - i. Would be helpful if listings had TCs along with session name
 - ii. Would be helpful if searching by author name was more user friendly
 - iii. Would be nice to see who registered, to know who was attending each conference. Other conferences do this & it is great – could also offer an option to opt out of “attendee list” if people don’t want their name included for some reason.
 - iv. Helpful if included agenda view sorted by time to show conflicts.
 - Projectors were a little dim
 - Nice dinner at Tuesday social
 - Problems with sound systems (popping & feedback squeals). Has interrupted several talks. Lapels mics have extremely directive sensitivity

VI. ASA Committee Reports

1. Archives and History (**Vic Sparrow**)
 - No report
2. Education (**TBD**)
 - No report
3. Medals and Awards (**Tim Foulkes**) (Seeking replacement)
 - Nothing new to report
4. Membership (**Ron Freiheit**)
 - Three new AA fellows at this meeting (see above) & several new applications recently submitted
 - Congrats to David Lubman who is celebrating 50 years with the ASA
5. Standards (**Ange Campanella**)
 - Current / Recent projects:
 - i. S1.17 on Windscreens
 - ii. S1.13: How to measure sound at a point
 - Reminder that ASA membership includes 5 free ANSI/ASA standards per year
6. Student Council (**Ellen Peng**)

Agenda

- Thanks to Alex Case for giving “Into to TCAA” talk on Monday
- SC continues to support many ongoing initiatives, including:
 - i. Student Meet & Greet
 - ii. Student Outing
 - iii. NCAC-Sponsored Student Reception
 - iv. Raffle to attend society luncheon with ASA member
 - v. Twitter + Facebook + Bulletin Board
 - vi. Encouraging students to volunteer for Hands-On Session for High School Students + Girl Scout Outreach Session at all national conferences
- Some new initiatives introduced at this meeting:
 - i. New TC color coding system – students & members place stickers on their name badge coordinating to their TC (TCAA is orange)
 - ii. Collecting feedback from students & members regarding student activities at this meeting through online portal.
- Some activities at Upcoming Meetings:
 - i. Indianapolis:
 - 1. Special poster session on graduate programs in acoustics
 - 2. Education committee experimenting with doing a resume helpdesk. Students can bring their resumes for feedback.
 - 3. Undergraduate research poster exhibition
 - ii. Pittsburgh:
 - 1. Will award next SC Mentor Award– nominations due right before Indianapolis
- See website for details on all initiatives:
<http://www.acosoc.org/student/>
- 7. **JASA & JASA-EL Associate Editors**(**Lily Wang, Frank Sgard, Jason Summers , Michael Vorlander**)
 - Thanks to all paper authors & reviewers
 - Have been moving to a 21-day turnaround, which is going well
 - Thanks to Lily Wang who is rolling off; Ning Xiang is incoming Associate Editor
 - **JASA-EL Associate Editor (Ning Xiang)**
 - i. Encourage authors to submit to JASA-EL – a fast, express avenue to publish research results
- 8. **POMA editor (incoming Lauren Ronsse)**
 - Thanks to Ralph Muehleisen who is rolling off, Lauren Ronsse is incoming editor
 - Some changes coming to POMA process – details to be posted soon
- 9. **Public Policy (Ken Roy, Michelle Vigeant, Nancy Timmerman, David Lubman)**
 - Continue to work with various outside groups:
 - 1. American Association for Advancement of Sciences

2. Alliance of 100+ societies dealing with Academic Freedom

- Continue to generate & revise statements for various acoustic policy related issues, including:
 1. Wind Turbine Noise
 2. Quiet Cars

10. Women in Acoustics (**Erica Ryherd**)

- Continue to sponsor several healthy, on-going initiatives:
 - i. Young Investigator Travel Award
 - ii. Women in Acoustics Luncheon
 - iii. Mentoring Program
 - iv. Girl Scout Outreach Session
- See website for details on all initiatives: <http://www.acosoc.org/WIA>

11. College of Fellows (**Tony Hoover**) Ron Freiheit will be representing TCAA at the fellows luncheon.

- Major initiative is outreach to students.
- Ongoing program: 13 tickets are distributed at student reception by lottery to send one student from each TC to the Fellows Luncheon with a member of their TC
- Had previously been sponsoring a program for fee registration for undergraduate students. This program has been discontinued but alternatives are being explored.
- Students are also encouraged to attend & participate in the ASA JAM. There is a new ASA JAM website with example tunes, sheet music, etc. The JAM organizing group is considering doing a battle of the bands at a future meeting.

12. Books Plus (**Neil Shaw**)

- Damian Doria & Dave Woolworth gave reports
- Good progress on reprint of Cremer & Mueller text, a lot of projects in the pipeline, including Classroom Acoustics Booklet 4
- Members liked using recent TCAA survey to gauge interest in Cremer & Mueller reprint

13. Regional Chapters (**Bob Coffeen**)

- No report
- Encourage all members to become involved in a regional chapters – great way to connect into local members & resources

14. Tutorials (**Lily Wang**)

- Tutorials committee in charge of Tutorials Lecture, Short Course, & Hot Topics
- At this meeting: Floyd Toole did Tutorial Lecture; Short Course sold out, unfortunately Hot Topics is conflicting with Knudsen Lecture
- Thanks to Lily Wang who is rolling off as Tutorials Chair; Frederick Gallun is incoming Chair.

15. Other

- Scheduling Subcommittee & Working Group Meetings for Future Conferences:

- i. *NOTE to Subcommittee and Working Group Chairs; if you intend to have a subcommittee or working group meeting at the national meeting, PLEASE REFER TO THE MEETING CALL FOR PAPERS FOR THE NAME AND DEADLINE DATE FOR SUBMISSION OF MEETING ROOM REQUESTS. This is part of the Call For Papers process. Meeting requests after the call for papers deadline will be "as available"*

VII. TCAA Subcommittee Reports

1. **Special Announcement:** StackExchange for Building Performance Simulation and Analysis (**Ralph Muehleisen**)
 - Anyone currently active in StackExchange please contact Ralph
2. Newman Student Award Fund Update (**Lily Wang, Carl Rosenberg**)
 - Continues to Run 3 Programs:
 - i. Newman Student Medals
 - ii. Schultz Grant
 - awarded this year to J. Parkman Carter
 - iii. Student Design Competition
 - Thanks to Wenger for sponsoring & to this year's organizers (Andy Miller, David Woolworth, & Norman Phillips) & judges
 - Next one in Pittsburgh
 - Please visit Newmanfund.org for details on all programs
3. Concert Hall Research Group Update (**Tim Foulkes, Michelle Vigeant**)
 - CHRG & Newman Fund working together
 - August CHRG Conference announcement – (**Robin Glosmyer Petrone or Scott Pfeiffer**)
 - i. Summer camp for acousticians! Includes lectures, & tours of local facilities with members of design team (acousticians, theatre consultants, & architects)
 - ii. There will be student & Professional level involvement. Some scholarships for students available.
 - iii. Key Dates:
 - To be held in Chicago, Aug 4-7 2014
 - Applications due May 9
 - iv. Please visit CHRGsummerinstitute.com for full details (also link on TCAA website)
4. Classroom Acoustics Update (**David Lubman, Lou Sutherland, Dave Woolworth**)
 - Classroom Acoustics Booklets
 - i. A lot of work ongoing with Books+ Committee
 - ii. Booklet 4 in progress – initial reviews are completed; will be followed by final review & publishing. May be getting more input, including from P&P or Speech TCs.
5. Acoustic Data Working Group (**Eric Reuter, Ron Sauro,**)

Agenda

- Mission & scope has changed several times over the evolution of the subcommittee, and was not always clear or consistent.
 - Ron Sauro has recently resigned as Chair of Committee.
 - Committee recommends placing the working group on inactive status; members interested in rejuvenating or leading committee can contact Kenny Good.
6. Joint Subcommittee with Noise on Speech Privacy (**Greg Tocci**)
 - No report
 7. Worship Space Book Subcommittee (**Erica Ryherd, Lauren Ronsse & David Bradley**)
 - The Subcommittee is currently soliciting contributions for the upcoming publication, *Worship Space Acoustics: 3 Decades of Design*. The deadline for contributions is May 16, 2014. The co-editors ask that any potential contributors please contact worshipspaceacoustics@gmail.com with questions. This book will be published through Springer, one of the leading publishing companies in science, and will be available in electronic format and through major online book retailers such as Amazon. The anticipated publication date is Fall 2015.
1. TCAA Student Paper Award – Results from San Francisco (**Erica Ryherd**)
 - 1st Place: Zhao Peng**, University of Nebraska—Lincoln
How room acoustics impacts speech comprehension by listeners with varying English proficiency levels

 - 2nd Place: Kathryn Hom**, Berkeley, CA
The effect of two different rooms on acoustical and perceptual measures of mixed choir sound
 2. Student Design Competition (**Norman Philipp, Dave Woolworth, and Andy Miller**)
 - See above
 3. Green Building Acoustics (**Lucky Tsaih**)
 - Special paper session at this conference & more sessions forthcoming
 4. Healthcare Acoustics Subcommittee (**Gary Madaras**)
 - Subcommittee Meeting on Wednesday 5:30-6:30 pm, Washington Room
 - Relatively new committee -- formed in Montreal, met for 1st time in San Francisco.
 - Uses a Wiggio Website for groups that is working well.
 - Reviewing some national guidelines, such as 1999 WHO Guidelines
 - Daniel Horan provided updated on FGI Working Group
 - i. 2014 FGI Guidelines for Healthcare Facilities now available, includes acoustics
 - ii. Will be day long workshop later this month to discuss & provide recommendations on the acoustical requirements for residential healthcare environments

5. TCAA Website (**Sean Browne**)
 - Nothing to report – website & email continue to be main conduit of TCAA information
6. Other

VIII. New Business

- AIA/CEU Course (Bennett Brooks)
 - a. Provides 1-hour CEU credit for Architects
 - b. Continues to be active
 - c. Thanks to Norman Philipp for hard work
 - d. Early discussion of new initiative to generate new course in healthcare acoustics (leaders = Kenric van Wyk & Ed Lodgson)
- TCAA Sessions this Meeting (David Lubman)
 - a. Reminder to look at all the great TCAA sessions at each conference

IX. Planning of Future Meetings

- **168th Meeting Indianapolis, IN 27-31 October 2014**
 - **Special Sessions:** Program set no new business
 - Call for papers deadline TBD
 - a. Call for papers included Subcommittee and Working Group Meetings
 - **Patricia Davies, Kenneth DeJong**, Co-Chairs; **Robert Port**, Technical Program Chair
 - TPOM Representative: **Norman Philipp**
 - TPOM Data: July 11th & 12th
 - Technical Tours:
 - a. Technical tour of The Palladium Theater, Tuesday 10:00am \$30.00 per person.
 - b. Guided tour in combination with Tutorial Lecture
 - Indianapolis Special Sessions
 1. Interface between Audio & Architecture (**Alex Case / Tony Hoover**)
 2. Uses, measurement, and advances in scattering & diffusion (**Ron Sauro**)
 3. Acoustic Trick-or-Treat: Eerie noises, spooky speech & creative masking; Joint w/ Speech (**Alex Case**)
 4. Design & performance of office workspaces in high performance buildings; Joint w/ Noise (**Ken Roy**)
 5. Room acoustic effects on speech comprehension and recall; Joint w/ Speech & Noise (**Lily Wang & David Griesinger**)
 6. Evidence based acoustical design to improve patient outcomes (**Kenric Van Wyk**)
 7. Computer Auralization as an aid to Acoustically Proper Owner/Architect Design Decisions (**Bob Coffeen**)

- **169th Meeting Pittsburgh, PA, 18-22 May 2015**
 - **Robert Keolian** and **Matthew Poese**, Co-Chairs, **TBD** Technical Program Chair
 - TPOM Representative: **(Michelle Vigeant)**
 - **Special Sessions:** Final Special Session Forms due tonight!
 1. 65th anniversary tribute to **Karl D. Kryter** and his work on noise and health –Joint with Noise, SC, P&P (**David Sykes, Bill Cavanaugh, Kenric Van Wyk**)
 2. Tonal Noise in Buildings; Joint w/ Noise (**Lily Wang**)
 3. Uncertainties in building acoustics measurements – laboratory & the field (**Matt Golden**)
 4. School acoustics and public policy (**Jason Summers**)
 5. Spherical array processing for architectural acoustics (**Michael Vorlaender** and **Ning Xiang**)
 6. Student Award Winners – Where are they now? (**David T. Bradley**)
 7. Named Session in Honor of Layman Miller; Joint w/ Noise (**Neil Shade**)
 8. Named Session in Honor of Dick Campbell; Joint w/ Noise (**Tony Hoover**)
 9. Suggested Tours:
 - a. Tower @ PNC Plaza (**Greg Miller**)
 - b. Heinz Hall (**Scott Pfeiffer**)

- **170th Meeting, Jacksonville, FL, 2-6 November 2015**
 - **TBD** and **TBD**, Co-Chairs, **TBD** Technical Program Chair
 - TPOM Representative: **(TBD)**
 - **Special Sessions:** (Preliminary Planning) Need 5 tentative sessions tonight
 1. AIA/CEU Training Class (**Bennett Brooks, Tony Hoover, Kenric van Wyk, Ed Logsdon**)
 2. Classroom acoustics in action; joint w/ TC Noise (**Ang Campenella, Dave Lubman, Dave Woolworth, Lou Sutherland**)
 3. Multifamily Residential (**Eric Reuter**)
 4. Green Building Acoustics (**Lucky Tsaih**)
 5. Quantifying & Qualifying Healthcare Acoustics (**Gary Madaras**)
 6. Acoustics of Performing Arts Venues (**Michelle Vigeant & Greg Miller**)

- Future Meetings, no action required:
 - **171st Meeting** , Salt Lake, UT, May 23rd – 27th) 2016
 - **172nd Meeting**, Honolulu, HI, November 28th – December 2nd 2016 (Joint with Acoustical Society of Japan)

Agenda

- **173rd Meeting**, Boston, Mass June 24th – 29th 2017 (Joint with European Acoustics Association)
 - **174th Meeting**, TBD Fall 2017
- X. Technical Initiatives – Reports and Renewals**
- AIA/CEU?
 - \$750 for seed money for dinner & guest speaker for Karl Kryter Pittsburgh Special Session (**Kenric van Wyk**)
 - a. Approved by TCAA vote
- XI. Other New Business**
- TBD
- XII. Meeting Adjournment (9:42 pm)**