

Minutes

TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

170th Meeting of the Acoustical Society of America
Jacksonville, Fla

Tuesday 3rd November 2015

7:30 PM

Grand Ballroom 3

Chair: **Kenneth W Good Jr**

Secretary: **Erica Ryherd**

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Section One: Welcome and Acknowledgements

I. Welcome and Introductions

- Attendance sheet was passed
 - a. 91 total attendance
 - b. 30 Students
- Attendees are encouraged to become TCAA members if they are not already.

II. Previous Minutes

- Approval of previous minutes
 - Previous minutes from the Pittsburg meeting were approved
 - Reminder: TCAA Meeting Agenda and Minutes are published on the TCAA website <http://tcaaasa.org>

III. Acknowledgements; Thank you to....

- **Richard Morris** (Meeting Chair)
- **Catherine Rogers, Judy Dubno** (Technical Program Chair)
- **Damian Doria & David T Bradley** (TCAA TPOM Rep)
- Session Chairs: Kenneth P. Roy, Eric L. Reuter, Tony Hoover, Bennett Brooks, David Lubman, David Woolworth, Angelo Campanella, Lou Sutherland, Tim Leishman, Nick Eyring, Gary Madaras, Jim Holtrop, Lucky Tsaih, Ron Eligator, David T Bradley, Erica Ryherd, Ana Jaramillo
- Paper Presenters: All 67 paper presenters in the 8 sessions

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IV. Congratulations!

- Alex Case elected President of Audio Engineering Society
- Trevor Cox received ASA Science Writing Award
- Paul Schomer received ASA Distinguished Service Citation

V. Chair's Report

- Up Date on Strategic Leadership for the Future (Executive Council Rep)
 - a. Thursday 2:00pm room 4104 - Strategic Leadership for the Future Task List.
 - b. Executive Summary has been published by Executive Council to map out future of ASA for 2015 – 2025, including four key goals (listed below). Four tasks forces will lead the four goals. Webpage will be setup soon. Please consider getting involved in these initiatives / task forces.
 - i. Awareness of Acoustics
 - ii. Membership Engagement & Diversity
 - iii. Dissemination of Information & Knowledge
 - iv. Financial Stewardship
- Publications (JASA, Acoustics Today, etc). We are always looking for new interesting and innovative articles for the various ASA publications.
- Remote Streaming at this meeting, 8 sessions at this meeting live only, Hot Topics will be recorded for “live & latter”.
 - a. Straw poll for the concept of remote session streaming:
 - i. Love it
Majority
 - ii. Okay with it
Several
 - iii. Have concerns with it
A couple
- The Special Session process is being reviewed with the intent of better serving the healthy tension between depth and accessibility of sessions
- ASA School at the SLC meeting. (Spring 2016)
- Comments on this meeting:
 - a. Good social – good food, quick lines, but missed desserts
 - b. Liked the afternoon coffee hour
 - c. International colleagues were excited about opportunity to watch live streaming
 - d. Need hearing assistive systems

Section Two: Committee and Subcommittee Reports

I. ASA Committee Reports

1. Archives and History (**Vic Sparrow**)
 - a. Report N/A
2. Education (**David T Bradley**)
 - a. There is a new program called the Resume Help Desk that is particularly targeted towards students & early career at each meeting. Encouraged to attend. Also looking for volunteers to man the desk.
 - b. Students Meet Members for Lunch Program going through changes. Registration has changed, resulting in 3 times the number of students who signed up. Please consider volunteering to be a mentor.

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- c. Education in Acoustics Committee actively seeking new members. Encouraged to attend open committee meetings @ each conference.
- 3. **Medals and Awards (Bennett Brooks)**
 - a. Bennett Brooks taking over for Tim Foulkes. Thanks to Tim for his service.
 - b. If you have ideas for award nominees, please let Bennett know.
- 4. **Membership (Tony Hoover)**
 - a. Tony Hoover taking over for Ron Frieheit. Thanks to Ron for his service.
 - i. Have had a number of applicants for Full Membership & proposals for Fellows.
 - ii. Consider upgrading your membership status (Student to Associate & Associate to Full).
- 5. **Standards (Ange Campanella)**
 - a. Bob Hellweg provided report.
 - b. Several standards in progress. If anyone has any issues regarding standards, please let Ange know.
 - c. Reminder that you get 5 free standards annually with your ASA membership. You can get a combination of free ASA standards and/or discounted (\$35) nationally adopted international standards (ISO, IEC). Go to the Standards link on the ASA webpage for more info.
 - d. Paul Schomer is retiring as standards director. Thanks to him for his service.
 - e. Standards manager Susan Blaeser retiring soon. Currently looking for replacement & accepting applications.
- 6. **Student Council (Jay Bliefnick)**
 - a. Be sure to grab the stickers from Jay for your name badges to identify your TC (orange for TCAA)
 - b. Student council has an updated website: ASAstudentcouncil.org
 - c. Next Student Council Mentoring Award application due next spring. Consider nominating someone.
 - d. Grant & Fellowship Panel was held at this meeting.
 - e. Reminder of regularly occurring activities:
 - i. Monday night meet & greet
 - ii. NCAC student reception Wed night
 - iii. Jam session Wed night
 - iv. etc. (see website for more details)
- 7. **JASA & JASA-EL Associate Editors (Frank Sgard, Jason Summers, Michael Vorländer, Ning Xiang, Brian Katz)**
 - a. JASA Associate Editor (**Michael Vorländer**)
 - i. AA has around 150 manuscripts submitted annually. The rejection rate is about 50%.
 - ii. JASA editors are planning to organize a special session or workshop on technical writing & submission to JASA for a future meeting...probably for Hawaii.
 - iii. JASA is undergoing a renovation process & details will be provided when available.
 - b. JASA-EL Associate Editor (**Ning Xiang**)
 - i. Consider this medium for publishing shorter manuscripts with a quicker turn-around time.
 - ii. 14 submitted so far this year; 8 accepted; remainder rejected or under review.
- 8. **POMA editor (Lauren Ronsse)**
 - a. Authors are encouraged to submit POMA papers for any presentation previously given at an ASA meeting (the two year limitation from date of presentation no longer applies)

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- b. New Word templates provided on website & optional for use in preparing your POMA paper.
 - c. If you are a Special Session Organizer, consider writing a summary of the session
 - d. POMA is also the system used for co-sponsored meetings.
9. Public Policy (**Ken Roy, Nancy Timmerman, David Lubman**)
- a. Public policy on wind turbine energy published about a year ago on website. Received some communication from Wind Turbine Association & going to follow up
 - b. Considering possibility of publishing standard or policy statement on restaurants.
 - i. Subcommittee was formed to identify organizations & issues for restaurants (Ken Roy, David Lubman, Ed Walsh). Please consider providing feedback to this subcommittee.
 - c. Working on ways to keep society intellectual property (IP).
10. Women in Acoustics (**Lauren Ronsse**)
- a. Lauren Ronsse has taken over for Erica Ryherd as WIA Chair.
 - b. See website for regularly occurring activities
 - i. Young Investigator Award
 - ii. Mentoring Program
 - iii. Women in Acoustics Lunch
 - iv. Girl Scout Outreach
 - c. New Dependent Care Subsidy Program is intended to support dependent care for members attending conference.
11. College of Fellows (**Tony Hoover**)
- a. Society Lecture & Luncheon
 - i. 13 tickets (one for each TC) are raffled off at the Student Council to student members
 - ii. Thanks for David Lubman for volunteering to take the TCAA student to the luncheon
 - b. Steering committee is trying to revamp literature, website, etc. to emphasize their goal of service to society & to update the listing of Fellows.
 - c. Fellow Badges at meetings are intended to identify Fellows so that they can serve as a resource to newer members.
 - d. Email blast is being sent out to encourage students to attend meetings.
12. Books Plus (**Neil Shaw / Dave Woolworth**)
- a. Classroom acoustics booklet is finished & available for free online.
 - b. Booklet 4 is being considered & will target school boards, taxpayers, legislators, etc.
 - c. Also potentially looking for a booklet on construction noise in cities
 - d. Continuing to book on digitizing / archiving books
 - e. Continuing to solicit proposals
 - f. If you have resources (audio files, etc.) to archive into an ASA library, please let Books+ know.
 - g. ASA Print on Demand is hopefully underway next year.
13. Regional Chapters (**Bob Coffeen**)
- a. Encourage attendance at Regional Chapters breakfast from each Chapter
 - b. Websites to be updated, but may take time due to logistics
 - c. Getting involved in your Regional Chapter is a great way to connect to ASA outside of National Meetings
14. Tutorials (**Michelle Vigeant**)
- a. Reminder of regularly occurring activities:
 - i. Short course
 - ii. Tutorial
 - iii. Hot topics

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II. TCAA Subcommittee Reports

1. Newman Student Award Fund Update (**Lily Wang, Carl Rosenberg**)
 - a. Advisory Committee meets regularly. We are always in need of financial support for our activities.
 - b. We had a banner year of 19 Newman Medals distributed last year
 - c. Reminder of regularly occurring activities
 - i. Newman Student Medals
 - ii. Shultz Award
 - iii. Student Design Competition (thanks to Wenger for financial support)
2. ASA Jam (Bennett Brooks)
 - a. ASA Meetings Committee Subcommittee
 - b. Continues to be a successful program offered at every meeting. Always looking for more people (especially students) to come play.
3. Classroom Acoustics Update (**David Lubman, Lou Sutherland, Dave Woolworth**)
 - a. Thanks to everyone who helped with this document.
 - b. Brigitte has a paper for everyone to sign for Lou Sutherland to thank him for his service / work.
 - c. Looking for venues to do outreach to architectural educators to let them know about the booklets.
4. WG 44 Speech Privacy In Healthcare - Joint Subcommittee with Noise (**Greg Tocci, Eric Reuter**)
 - a. Nothing to report
5. Worship Space Book Subcommittee (**David T. Bradley, Erica Ryherd, & Lauren Ronsse**)
 - a. There is a pre-print proof of the book available for viewing at the Springer Table. The book will be printed and shipped by the end of the calendar year. Copies of the book can be ordered with an ASA member discount through Springer.
 - b. There is a special session this Wednesday with book highlights:
3aAAb. Worship Space Acoustics: Three Decades of Design
Cochair(s): David Bradley (Vassar College), Erica Ryherd (University of Nebraska) and Lauren Ronsse (Columbia College Chicago)
9:35 AM - 12:00 PM; GRAND BALLROOM 2
 - c. There will also be a Hot Topics presentation featuring the book at the next ASA meeting in Salt Lake City.
6. TCAA Student Paper Award – Results from Indianapolis (**Erica Ryherd**)
 - 1st Place: David Dick**, Pennsylvania State University
4pAA12. Evaluation of a three-way omnidirectional sound source for room impulse response measurements
 - 2nd Place: Kelsey Hochgraf**, Rensselaer Polytechnic Institute
4aAA8. Simulation and auralization of a concert hall's inhomogeneous sound field using finite difference time-domain methods and wave field synthesis

Note: This continues to be a very active program. Thanks to everyone who helps out with this program, including judges and session chairs.

7. Student Design Competition (**Norman Philipp, Phillip Robinson and Dave Woolworth, Andy Miller**)
 - a. Continues to be a very active program. Thanks to everyone who helps out with this program.
 - b. Next announcement will be out in November

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8. Green Building Acoustics (**Eddie Lau**)
 - a. Nothing to report.
9. Healthcare Acoustics Subcommittee (**Gary Madaras**)
 - a. Most of the work so far is standards based. Recent activities include reviewing FGI Guidelines and Green Building Guidelines, as well as interfacing with other standards committees, such as WHO and Australian / New Zealand Standards.
10. TCAA Website (**Sean Browne**)
 - a. ASA recently migrated each TC and other committee pages to Wordpress for a cleaner, modern look that is easier to use.
 - b. Subcommittee chairs are encouraged to add content (sdbrowne@armstrong.com)
 - c. All TCAA members are encouraged to submit project pictures
11. AIA/CEU Course: (**Bennett Brooks, Norman Philipp**)
 - a. AIA Course will be held Wednesday of this ASA meeting.
12. TPOM Rep (**Damian Doria & David T Bradley**)
 - a. Special thank you to **David Bradley** as his term ended with this meeting
 - b. Welcome **Ian Hoffman** starting SLC
 - c. Thank you for communicating your needs and please consider Mondays and Fridays for your sessions if you can
13. Proposed Architectural Associations (AIA, AES, USITT, ASHRAE, ASTM or other) Targeted outreach subcommittee.
 - a. Looking for volunteers for new subcommittee. Please contact Ken Good or Greg Miller if interested.
 - i. Greg Miller volunteered to investigate potential connections with AIA.
 - ii. Erin Dugan volunteered to serve as ASTM E-33 liaison
14. Leo & Gabriella Beranek Scholarship Fund (**Bill Murphy**)
 - a. The Committee was selected per the MOU
 - i. **Leo & Gabriella Beranek**
 - ii. TCAA Chair: **Ken Good**
 - iii. TCNoise Chair: **Bill Murphy**
 - iv. TCAA Rep: **Damian Doria**
 - v. TCNoise Rep: **Tony Hoover**
 - b. The Committee developed and submitted the following documents:
 - i. Eligibility & Application for scholarship
 - ii. Eligibility & Recommendations
15. Concert Hall Research Group (**Robin Glosemeyer, Tim Foulkes**)
 - a. Now an official TCAA subcommittee

Section Three: New Business and Meeting Planning

III. New Business

IV. Planning of Future Meetings

- **171st Meeting , Salt Lake, UT, May 23rd – 27th) 2016**
 - If any session chairs want their sessions streamed, then let Ken Good know ASAP.
 - **TBD** and **TBD**, Co-Chairs, **TBD** Technical Program Chair

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- TPOM Representative: **(Damian Doria & TBD)**
- **Special Sessions:** (Final Planning) Need 5 sessions tonight
 1. Sound System Design, Optimization and Intelligibility – **(Peter Mapp & Tony Hoover)**
 2. Relating Perception to Room Acoustics Measurements and Metrics in Performing Arts Venues **(Michelle Vigeant & Greg Miller)**
 3. Opera Rehearsal & Performance Space **(Robin Glosemeyer Petrone)**
 4. Classroom Acoustics **(Siu-Kit (Eddie) Lau & Shiu-keung Tang)**
 5. Predicting & Controlling HVAC Systems Noise **(Bob Coffeen & Andy Miller)**
 6. Emerging Parametric / Generative Design Tools in Architectural Acoustics **(Ian Hoffman)**
- **172nd Meeting , Honolulu, Hi , November 28th – December 2nd 2016** Joint with Acoustical Society of Japan
- *NOTE: Because this is a joint meeting sessions must be coordinated with ASJ counterparts.*
 - **TBD and TBD, Co-Chairs, TBD Technical Program Chair**
 - TPOM Representative: **(Damian Doria & Ian Hoffman)**
 - **Special Sessions:**
 1. At the Intersection of Speech and Architecture **(Cathy Rogers & Ken Good)**
 2. Acoustical Design Metric Comparison US Japan **(David Manley)**
 3. It's All About The Details **(Shane Kanter & John Strong)**
 4. Architectural Acoustics and Audio Even Better Than The Real Thing **(Tony Hoover & Alex Case)**
 5. Advanced Analysis, Simulation and Auralization in Room Acoustics **(Michael Vorländer) SP & Noise**
 6. Acoustics in a House / Housing Complex **(ASJ & Matt Golden)**
 7. Novel Development in Numerical Methods in Architectural Acoustics **(ASJ) Drue Hulva**
 8. Degree of Diffuseness **(ASJ & Jay Bliefnick)**
 9. Application of Next Generation Sound Barriers and Absorbers **(ASJ & Erin Dugan)**
 10. Acoustics for Children and Pupils **(ASJ & Dave Woolworth)**
 11. Lombard Effect in Classrooms **(David Lubman) Noise**
- **173rd Meeting, Boston, Mass June 24th – 29th 2017** (Joint with European Acoustics Association)
 - TBD and TBD, Co-Chairs, TBD Technical Program Chair
 - TPOM Representative: (TBD)

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- Special Sessions:
 1. Assistive Listening Devices for Listeners in Assembly Spaces (**Joint with EAA; Damian Doria**)
 2. Uncertainty in Laboratory Building Acoustic Standards (**Joint with EAA & ASA Committee on Standards; Matt Golden**)
 3. Evaluation of Acoustic Environments (**Joint with EAA; Michael Vorlander**)
 4. Comparing US and European Policies, Press, & Acoustics (**Joint with EAA & ASA TC Noise; Dave Woolworth**)
 5. Sound Propagation Modeling and Spatial Audio for VR (**Lori Savioja Dinesh Manocha and Peter Svensson**)
 6. Archeo-acoustics (**David Lubman**)
 7. Effects of Outdoor Noise on Outdoor Performance & Gathering Spaces (**Joint with TC Noise; Brigitte Schulte-Fortkamp & Tony Hoover**)
 8. Healthcare for Residential & Long-term Care Facilities (**Kenric Van Wyk**)
- **Damian Doria:** Looking for suggestions of European counterparts who would be good co-chairs, etc. Please pass names along to Ken Good.
- Future Meetings, no action required:
 - 174th Meeting, New Orleans, La: December 4-8 2017
 - 175th Meeting, Minneapolis, Minnesota: May 7-11th 2018
 - 176th Meeting, Victoria, Canada: November 5-9 2018
 - 177th Meeting, Louisville, Ky: May 13-17 2019
 - 178th Meeting Fall :TBD
 - 179th Meeting, Chicago, Ill: Spring 2020
 - 180th Meeting, Cancun, Mexico: Fall 2020

V. Technical Initiatives – Reports and Renewals

- Note: Technical Initiatives are meant to inspire and support innovative ideas. Suggestions for appropriate investments in outreach, education, and other ASA activities are encouraged. TI do not automatically roll over
- **Discretionary Funds:**
 - \$5000 annually, can be used to assist Invited Speakers, Student Paper Awards
 - AIA CEU considered on-going
- **Submitted Technical Initiatives**
- Website Upgrade/Maintenance. \$300
- Worship Spaces Book (David T. Bradley) – *expires 12/31/2015*
 - a. Support for Publication \$3000
 - b. New \$300 request for publicity for the book (postcards, poster, etc.) to distribute at conferences & after to promote sales.
- Promotion for Classroom Acoustics Booklet (Dave Woolworth)

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- a. Support for outreach to architecture educators. Funds to be used for advertising through a service or relevant professional society (\$1000)
 - i. This was approved by the committee however will use from the TCAA discretionary funds
- Other TBD

VI. Other Business

- a. ICA Conference in Argentina Sept 2016. If you have ideas for sessions, let Michael Vorlander or Michael Stinson know prior to January 2016.
- b. International Building Performance Simulation Association Conference in San Francisco August 2017 will have acoustics track. Contact Ralph Muehleisen if interested in giving a talk.

VII. Meeting Adjournment 9:40 PM