

# Minutes

## TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

171<sup>st</sup> Meeting of the Acoustical Society of America  
Salt Lake City, Utah

Tuesday 24<sup>th</sup> May 2016

7:30 PM

SNOWBIRD/BRIGHTON

Chair: **Kenneth W Good Jr**

Secretary: **Erica Ryherd**

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### Section One: Welcome and Acknowledgements

#### I. Welcome and Introductions

- Attendance 101
- Welcomed and recognized students and 1<sup>st</sup> time attendees
- Attendees were encouraged to become TCAA members if they are not already.

#### II. Previous Minutes

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

#### III. Acknowledgements; Thank you to....

- **Kent Gee** (Meeting Chair)
- **Johnathan Blotter** (Technical Program Chair)
- **Damian Doria & Ian Hoffman** (TCAA TPOM Rep)
- **Session Chairs:** Siu Kit Lau, Shiu-Keung Tang, Tony Hoover, Peter Mapp, Kenneth Cunefare, Kenric Van Wyk, Michael Ermann, Andrew Miller, David Woolworth, Robert Coffeen, Gregory Miller, Michelle Vigeant, Ian Hoffman, Robin Glosemeyer Petrone
- **Paper Presenters:** All 102 paper presenters in the 10 sessions

## Agenda

### IV. Congratulations!

- 50<sup>th</sup> Year Anniversary:
  - **Robert Coffeen**
  - **Bob Hellwig**
- 25<sup>th</sup> Year Anniversary:
  - **John Loverde**
  - **Gary Madaras**
  - **Scott Pfeiffer**
  - **Lily Wang**
- **Susan Blaeser**: Distinguished Service Citation
- **Lily Wang**: Vice President's Gavel

### V. Chair's Report

- With regret we report the passing of friend and colleague **Louis Sutherland**
- [Strategic Leadership for the Future Brochure](#) was introduced and discussed
  - Strategic Plan Champions meeting Thursday 2-4 Alta Room (open to all and encouraged to participate)
  - [Early Career Acoustician Activities](#) (David Bradley)
    - Ribbon initiative: pick up ribbons at the Early Career Booth to put on your badge to connect with others on your TC interests, committee activities, etc.
    - Other activities include an Early Career Acousticians Retreat held at the end of this meeting.
- Technical Council Updated Org Chart to better fit with the strategic plan: Coming soon to the ASA website
- Broadcasting and streaming sessions:
  - General feedback: Pro's Con's
    - Pro's
      1. Thanks to Lily Wang & her volunteers for making it happen
      2. Worked out well for a colleague who just had a child and still really wanted to attend several sessions.
    - Concerns
      1. During TPOM it caused issues with trying to schedule sessions because of room capabilities...will need to be resolved for future planning
    - Questions
      1. Will it be live only or archived? Response: currently streaming only (with exception of Hot Topics), but this topic is being explored
  - Considering outsourcing & fee "ready to go prime time"
- Volunteers Task force to review and update assorted meeting policies, procedures and guidelines: we are looking for volunteers to serve on an assortment of task forces to review and update as needed
- Comments on this meeting:
  - The room (computer setup) wasn't ready for at least one session

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- Noisy projectors
  - A couple of computers kept stalling during presentations
  - Switching for PCs was at the back of the room but should have been in the front
  - Liked the layout of hotel
  - The hands-on education session Monday was located in close proximity to other sessions and caused disruption
  - Would prefer to have TCAA sessions near TCNoise sessions since a lot of people go to both
  - Prefer wireless microphones on multiple channels (instead of one channel)
  - Would prefer to have QuickTime available on projection computers for animations
  - Hotel staff was really nice and helpful overall
  - Location was really ideal (close to restaurants, etc.)
- TCAA Chair Elections
    - Congratulations incoming Chair, **Erica Ryherd**. Erica officially became chair at the close of the Salt Lake City meeting.
    - Secretary, Eric Reuter has accepted the position of TCAA Secretary

## 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. A new, full-time Education and Outreach Coordinator, an ASA staff member, will be hired soon (June 2016)!
  - b. See Meeting Program, Call for Papers, and NEW EdCom Website <asaedcom.org> for regularly occurring EdCom initiatives
    - i. Listen Up and Get Involved (Girl-Scout Session)
    - ii. Hands-On Acoustics Demonstrations for Middle-School Students
    - iii. Undergraduate Research Exposition (no Expo in HI)
    - iv. Rossing Prize in Acoustics Education
    - v. Acoustics Graduate Program Database
    - vi. SMMfL (Students Meet Members for Lunch)
      1. We will need a larger pool of volunteers to host student lunches
  - c. Resume Help Desk
    - i. We will need more volunteers to work the Help Desk.
  - d. Stronger connection to all TCs
    - i. We are actively seeking new EdCom members from all TCs.  
Please pass the word!
3. Medals and Awards (**Bennett Brooks**)

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- a. We are accepting dossiers for several medals (Sabine, Gold Medal) for people who have contributed technically & to the society.
- b. More information about the various medals and awards is on the ASA website
- c. Newman Student Award (**Bob Coffeen**)
  - i. Healthy program, consider nominating students for this award
4. Membership (**Tony Hoover**)
  - a. TCAA has had a number of applicants for upgrade to Full Membership, and several nominations for Fellow.
  - b. Consider upgrading your membership status (former students and Associates to Full Member)
  - c. Information on ASA website:  
[http://acousticalsociety.org/membership/membership\\_and\\_benefits](http://acousticalsociety.org/membership/membership_and_benefits)
5. Standards (**Ange Campanella**)
  - a. Reminder that all ASA members get 5 free standards a year (**Bob Hellwig**)
6. Student Council (**Jay Bliefnick**)
  - a. SC acts as a liaison between students & rest of society so if students or members have any questions about student activities, please:
    - i. Talk with a SC rep
    - ii. Visit the various electronic resources (Facebook, Website, etc)
  - b. Several ongoing activities
    - i. Mentoring Award (next one announced in Honolulu)
    - ii. Intro to TCs session on Monday
    - iii. New Student Orientation
    - iv. Student Meet & Greet
    - v. Student Outing
    - vi. Student Reception
    - vii. Student Jam Session
    - viii. Resume Help Desk
    - ix. Schwag Bag
    - x. Student Travel Subsidy Program
    - xi. Students Meet Members for Lunch
  - c. Look for special sessions in Boston:
    - i. Graduate Program in Acoustics
    - ii. Teaching Tips for New & Not-so-New Faculty
7. *JASA & JASA-EL Associate Editors* (**Frank Sgard, Jason Summers, Michael Vorländer, Ning Xiang, Brian Katz**)
  - a. JASA Associate Editor (**Michael Vorländer**)
  - b. JASA-EL Associate Editor (**Ning Xiang**)
    - i. Consider submitting to JASA-EL (has expedited review process, good for experimental work)
  - c. Thanks to authors & reviewers
  - d. There will be a JASA journal article session/workshop at the upcoming Hawaii Conference. Please encourage students & colleagues to attend.

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8. POMA editor (**Lauren Ronsse**)
  - a. *Proceedings of Meetings on Acoustics (POMA)* is an editor-reviewed, open-access, online journal published by the Acoustical Society of America (ASA). Articles originate as papers presented at semiannual ASA meetings or at other cosponsored meetings. Both researchers and practitioners are encouraged to submit manuscripts to POMA. Authors are especially encouraged to use POMA for better archiving of special sessions presented at ASA meetings.
9. Public Policy (**Ken Roy, Nancy Timmerman, David Lubman**)
  - a. Statement of Public Policy on Wind Turbine Noise already drafted
  - b. Restaurant Noise
    - i. Had an inquiry
    - ii. Will have a special session in Boston
    - iii. Will then determine follow up steps
  - c. IAQ Global Alliance
    - i. Had an inquiry from ASHRAE
    - ii. Currently determining ASA's role in this
  - d. Beeping Horns / Warning Devices
10. Women in Acoustics (**Lauren Ronsse**)
  - a. Lots of ongoing initiatives, information can be found on website
    - i. Luncheon
    - ii. Mentoring Program
  - b. Be sure to consider applying for the Young Investigator's Travel Award & the New Dependent Care Subsidy (see call for Papers for details)
11. College of Fellows (**Tony Hoover**)
  - a. Society Lecture & Luncheon
    - i. 13 tickets (one for each TC) are provided free of charge from ASA thru CoF, raffled off to students at the Student Reception on Wednesday eve
    - ii. Thanks to the TCAA volunteer to accompany the TCAA student to the luncheon (note: you can volunteer during pre-registration)
    - iii. The Luncheon is open to everyone, and the Lecture is typically fascinating.
  - b. CoF Steering committee is working to revamp literature, website, etc. to emphasize goal of service to the entire Society
  - c. email blast to local colleges –with letter of invitation from ASA President & a poster
  - d. Fellow Badges at meetings are intended to identify Fellows so that they can serve as a resource, especially to newer members.
  - e. please feel free to offer suggestions
12. Books Plus (**Neil Shaw / Dave Woolworth**)
  - a. New Springer Publication Series through ASA - if you have ideas about a textbook, edited volume, etc. consider this venue
13. Regional Chapters (**Bob Coffeen**)

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- a. Regional Chapters breakfast held on Wednesday AM
- 14. Tutorials (**Michelle Vigeant**)
  - a. Several ongoing initiatives
    - i. Short Course before every meeting
    - ii. Tutorial Lecture on Monday evenings
    - iii. Hot Topics (rotates between TCs – TCAA featured at this meeting)

## II. TCAA Subcommittee Reports

- 1. Newman Student Award Fund Update (**Lily Wang, Carl Rosenberg**)
  - a. Gratitude to Red Wetherill who served the group & passed away this year.
  - b. See Newsletter for summary / highlights
  - c. Several ongoing awards:
    - i. Newman Medal for students (14 awarded this year)
    - ii. Theodore Schultz Grant for teaching innovation
    - iii. Student Design Competition
  - d. Expanding membership in committee, if interested please see Carl Rosenberg. Bob Celmer joining leadership committee.
- 2. ASA Jam (**Bennett Brooks**)
  - a. All are welcome to participate & listen.
  - b. Working on getting a website going
- 3. Classroom Acoustics Update (**David Lubman, Dave Woolworth**)
  - a. Gratitude to Lou Sutherland who served the group & passed away this year.
  - b. Jason Summers, Ana Jaramillo, & Lily Wang joined new subcommittee. If others are interested, please contact David Lubman or Dave Woolworth.
- 4. WG 44 Speech Privacy in Healthcare - Joint Subcommittee with TC Noise (**Greg Tocci, Eric Reuter**)
  - a. The draft standard is complete & will be sent to the Standards Committee on Friday for a 30-day review process. Following the review process it will take approximately 6 months for the standard to be published.
- 5. Worship Space Book Subcommittee (**David T. Bradley, Erica Ryherd, & Lauren Ronsse**)
  - a. Book is out!!
  - b. Thanks very much to all who contributed venues!
  - c. Available in many places
    - i. Springer booth here at ASA
    - ii. Springer website
    - iii. Amazon
  - d. Featured in the Hot Topics Session at this ASA Meeting
- 6. TCAA Student Paper Award – Results from Jacksonville (**Erica Ryherd**)
  - 1<sup>st</sup> Place: Coralie A. van Reenen; University of Pretoria**  
*"A case study investigation of the indoor environmental noise in four urban South African hospitals"*

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**2<sup>nd</sup> Place: K.J. Bodon**; Brigham Young University

*"Development, evaluation, and validation of a high-resolution directivity measurement system for live musical instruments"*

7. Student Design Competition (**Dave Woolworth, Andy Miller & Michael Ermann**)
  - a. Thanks to all who participated in competition, organizing, & judging
8. Green Building Acoustics (**Eddie Lau**)
  - a. Working on Website
9. Healthcare Acoustics Subcommittee (**Gary Madaras**)
  - a. Report N/A
10. TCAA Website (**Sean Browne**)
  - a. Subcommittee chairs are encouraged to add content ([sdbrowne@armstrongceilings.com](mailto:sdbrowne@armstrongceilings.com))
  - b. All TCAA members are encouraged to submit project pictures
11. AIA/CEU Course: (**Bennett Brooks, Ken Good**)
  - a. Please consider being a presenter. Requirements are completing a training course (periodically available at ASA) & membership in TCAA.
12. TPO Rep (**Damian Doria & Ian Hoffman**)
  - a. Special thank you to **Ian Hoffman** as 1<sup>st</sup> meeting as TPO
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.
      1. AIA National & AIA Local are always interested in partnering with other groups.
      2. Some suggestions are:
        - a. Draft descriptions of potential activities that the AIA can send out as part of periodic newsletters to members
        - b. If you live in an area with Regional AIA Chapters, reach out to them directly
        - c. AIA Knowledge Communities on many different topics
      - 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**

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### 15. Concert Hall Research Group (**Robin Glosemeyer, Tim Foulkes, Paul Scarborough, Jason Duty**)

- a. The next Concert Hall Research Group will be summer of 2018. Currently deciding on location. More details will be shared as they are available.

<b>Section Three: New Business and Meeting Planning</b>
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### III. New Business

- a. No new business

### IV. Planning of Future Meetings

- **172<sup>nd</sup> Meeting , Honolulu, Hi ,** November 28<sup>th</sup> – December 2<sup>nd</sup> 2016 Joint with Acoustical Society of Japan
- **Call for papers June 6<sup>th</sup>- July 11<sup>th</sup>**
- *NOTE: Because this is a joint meeting sessions must be coordinated with ASJ counterparts.*
  - **Bruce Howe** and **Akio Ando**, Co-Chairs, Technical Program Chair
  - TPOM Representative: (**Damian Doria & Ian Hoffman**)
  - **Special Sessions:**
    1. Acoustical Design Metric Comparison US Japan (**David Manley & Hiroshi Sato**)
    2. Acoustics for Children and Pupils (**Dave Woolworth & Keiji Kawai**)
    3. Advanced Analysis, Simulation, and Auralization in Room Acoustics (**Michael Vorländer, Tetsuya Sakuma & Toshiki Hanyu**)
    4. At the Intersection of Speech and Architecture (**Cathy Rogers, Takashi Yamakawa, Yasushi Shimizu & Ken Good**)
    5. Exploration of Lombard Effect for Improved Classroom Acoustics (**David Lubman**)
    6. It's All About The Details (**Shane Kanter, John Strong & Kimihiro Sakagami**)
- **173<sup>rd</sup> Meeting,** Boston, Mass June 24<sup>th</sup> – 29<sup>th</sup> 2017 (Joint with European Acoustics Association)
- **Note: ALL papers will be 20min starting on the hour.**
  - **Bob Koch** and, Co-Chairs, Technical Program Chair
  - TPOM Representative: (**TBD**)
  - Special Sessions:
    1. Assistive Listening Devices for Listeners in Assembly Spaces (**Joint with EAA; Damian Doria &, Tom Burns, & Peter Mapp**) **Speech, Signal Processing, P&P, Standards, Engineering**
    2. Uncertainty in Laboratory Building Acoustic Standards (**Joint with EAA & ASA Committee on Standards; Matt Golden**) **TC Noise.**



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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**) **Committee on public relations**
  5. Sound Propagation Modeling and Spatial Audio for VR (**Lori Savioja Dinesh Manocha** and **Peter Svensson**) Signal Processing
  6. Continuing Advances in Archeo acoustics (**David Lubman & Miriam Kolar**)
  7. Healthcare for Residential & Long-term Care Facilities (**Kenric Van Wyk**) – Noise, Speech
  8. Retrospective on the work of Bert Kinzey (**Gary Siebein & Dave Lubman**)
  9. Architectural Acoustics and Audio: Even Better Than the Real Thing (**Tony Hoover & Alex Case**)
  10. Noise and Soundscapes in Restaurants and other Public Accommodations (**Ken Roy & Brigitte Shulte-Fortkamp**) **Speech**
- **Damian Doria**: Looking for suggestions of European counterparts who would be good co-chairs, etc. Please pass names along to Erica Ryherd.
  - **174<sup>th</sup> Meeting**, New Orleans, La: December 4-8 2017
    - Josh Gladden Co-Chairs, Technical Program Chair
    - TPOM Representative:
    - Special Sessions:
      1. Community and Entertainment Sound (Joint with TCNoise, **Dave Woolworth & Tony Hoover**)
      2. Back to the Future: A Look at Multipurpose Spaces, How They've Changed, & What's Next (**Shane Kanter & Jennifer Smid**)
      3. Acoustics of Modern Music Performance Spaces (**Tony Hoover & Bruce Olson**)
      4. Speech Privacy concerns in Open Plan Healthcare Spaces (**Ken Good**)
  - Future Meetings, no action required:
    - 175<sup>th</sup> Meeting, Minneapolis, Minnesota: May 7-11<sup>th</sup> 2018
    - 176<sup>th</sup> Meeting, Victoria, Canada: November 5-9 2018
    - 177<sup>th</sup> Meeting, Louisville, Kentucky: May 13-17 2019
    - 178<sup>th</sup> Meeting TBD: Fall 2019
    - 179<sup>th</sup> Meeting, Chicago, Ill: Spring 2020
    - 180<sup>th</sup> Meeting, Cancun, Mexico: Fall 2020

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### 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
- 

### VI. Other Business

- a. 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 9:36 PM