

Agenda

TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

174th Meeting of the Acoustical Society of America
New Orleans, Louisiana

Tuesday, December 5, 2017

8:00 PM

New Orleans Marriott, Salon D

Chair: **Eric Reuter**

Secretary: **Ana Jaramillo**

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Section One: Welcome and Acknowledgements

I. Welcome and Introductions

- Pass Attendance Sheet
- Attendees are encouraged to become TCAA members if they are not already.
- New attendees' introductions
- Please limit clapping to expedite this meeting

II. Previous Minutes

- Approval of previous minutes
 - Previous minutes (Boston).
 - Reminder: TCAA Meeting Agenda and Minutes are published on the TCAA website <http://tcaaasa.org>
Tony Hoover moves, Ken Good good seconds

III. Acknowledgements; Thank you to....

- **Joel Mobley** (Meeting Chair)
- **Natalia Sidorovskaya** (Technical Program Chair)
- **Ian Hoffman & Shane Kanter** (TCAA TPOM Reps)
- **Session Chairs:** Tony Hoover, David Woolworth, Jin Yong Jeon, Ning Xiang, Bruce Olson, Andy Chung, Eddie Lau, Brigitte Schulte-Fortkamp, Ken Good, Roger Schwenke, Shane Kanter, Jennifer Nelson Smid
- **Presenters:** 84 papers presented in 9 special sessions
- **Sean Browne** Volunteer Webmaster

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IV. Congratulations

- **David Griesinger – Wallace Clement Sabine Medal**
- **John LoVerde – ASA Fellow**
For contributions to quantification and understanding of building response to sound and impact
- **Matthew Neal – 2017 Leo and Gabriella Beranek Scholarship in Architectural Acoustics and Noise Control**
- **Curt Wiederhold (noise) - 2017 Frank and Virginia Winker Memorial Scholarship for Graduate Study in Acoustics**
- **TCAA Student Paper Award – Results from Boston**
 - **1st Place: Laura Brill**, University of Nebraska, Lincoln
"Teaching and Learning in Healthy and Comfortable Classrooms II"
 - **2nd Place: Nikhilesh Patil**, University of Salford
"New Measurement and Prediction Techniques at Low Frequencies in Buildings"

V. Chair's Report

1. TCAA membership update
 - a. Administrative error led to several people being inadvertently dropped from committee over the summer. These members were reappointed by the ASA president.
 - b. In order to be a member of this committee, you must maintain your ASA membership. Several people have indicated interest in being committee members, but are not ASA members.
 - c. Please update your email address on the sign-in sheet. If you are graduating in the next year, consider using a more permanent address
2. Strategic Leadership for the Future - Update (Lily Wang)
 - a. Consider attending Task Force Meeting, Thursday 2-4, Studio 6
Year 4 of the strategic plan.
Task forces: 1) Awareness of acoustics, 2) Member engagement and diversity, 3) Dissemination of information and 4) Financial stewardship.
3. Campaign for ASA Early Career Leadership (Lily Wang-Carl Rosenberg)
 - a. Hunt Fellowship/Early Career Leadership Campaign Reception Tomorrow (Wednesday) 5:30-6:30 Riverview Pre-function
Lily Wang: We are raising 300.000 to endow
4. Change in ASA financial model
 - a. Executive Council has approved a proposed change to the bylaws to create change to an elected treasurer. The treasurer will be tasked with strategic financial planning. A financial management company has been hired to take over day-to-day accounting and reporting tasks.

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- b. A change to the Bylaws requires a vote of the membership, which will take place at the Minneapolis meeting.
- 5. ASA is co-sponsoring WESPAC2018 - 13th Western Pacific Conference on Acoustics, November 2018 in New Dehli.
Technical Council will provide \$2500 in funding provided to support travel for students in developing countries
- 6. Frequency of International Meeting Survey
 - a. Of 6666 polled, 1420 responded
 - b. 4-5 years ranked highest, followed closely by 2-3 years, and 10 years was distant third
 - c. AA scores closely matched overall results
- 7. Education and Outreach
 - a. The Acoustics Program Database (formerly acoustics graduate school database) has been completely overhauled and is looking for submissions.
 - b. Looking for members to submit new career profiles.
 - c. See attached slides for instructions.
- 8. Comments on this meeting
 - Ken Good: Layout odd, entry at the front of room interrupted presentations.
 - Dave Woolworth: Thanks for supporting soundscape technical initiative. There will be a video available.
 - Steve Pettyjohn: Cross talk between speakers in other rooms (wireless mic receivers)
 - Eric Reuter: Please help judging student papers.

Section Two: Committee and Subcommittee Reports

ASA Committee Reports

1. Archives and History (**Vic Sparrow**)
Absent
2. Education (**David T Bradley**)
Absent
3. Medals and Awards (**Ron Freiheit**)
Nothing to report
4. Membership (**Tony Hoover**)
12-18 people applied to up their membership to full. Other levels of “membership” don’t really make you a member.
5. Standards (**Angelo Campanella**)
ASTM, test for residences E2336 E966 for facades of buildings E492 for floor insulation. Classify drawings according to acoustic characteristics.
6. Student Council (**Matthew Neal**)
This and 3 more meetings to serve as representative.
Student council website posts for opportunities. Facebook, Tweeter, LinkedIn.
Mentoring award at the next meeting. Voting done at this meeting.
65 students at student’s orientation.
Session on grant writing.
Student social on Wednesday.
Students meet members for lunch.
Student video competition for Minneapolis. ASA looking for more online presence.
7. JASA & JASA-EL
 - a. JASA Associate Editor (**Michael Vorländer, Brian Katz, Francesco Martellotta, Ning Xiang, Lauri Savioja, Frank Sgard**)
Michael Vorländer: Encourage more submissions. It can be applied work. Rejection rate is 50%.
 - b. JASA Coordinating Editor (**Ning Xiang**)
Helping distribute manuscripts among editors. Room acoustic modeling and auralization special issue in Sept 2018.
 - c. JASA-EL Associate Editor (**Ning Xiang**)
Very smooth, 2-3 weeks process. You have to work very hard. Videos and audio material can be posted (it’s online).
8. Public Policy (**Ken Roy, Nancy Timmerman, David Lubman**)
9. POMA Proceedings of Meetings on Acoustics (**Lauren Ronsse**)
It’s 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

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especially encouraged to use POMA for better archiving of special sessions presented at ASA meetings.

10. Women in Acoustics (**Lauren Ronsse**)

Everyone is encouraged to attend the **Women in Acoustics luncheon** held at each meeting.

WIA sponsored funding opportunities:

The **Young Investigator Travel Grant** is intended to help with travel costs associated with presenting a paper at the meetings. Young professionals who have completed their doctorate in the past five years are eligible to apply if they plan to present a paper at an ASA meeting, are not currently students, and have not previously received the award.

The **Dependent Care Subsidy** is intended to help with dependent care costs associated with attending an ASA meeting. Meeting attendees are eligible to apply if they plan to present a paper at an ASA meeting or hold a leadership position in ASA.

A **Round-table Discussion** Session will be held on Tuesday afternoon at the next ASA meeting in Minneapolis. There will be discussions focusing on a variety of topics related to women in acoustics and mentoring. Everyone is invited to attend.

11. College of Fellows (**Tony Hoover**)

Society luncheon didn't happen at previous 2 meetings because they were joint meetings. Students can receive 1/26 tickets to attend (twice what it was before). College of fellows didn't know who we were. List only from year 2000 until recently Ning helped organize a group of students to run through JASA collecting names of fellows.

12. ASA Publications (**Robin Glosemeyer**)

Nothing to report.

13. Regional & Student Chapters (**Ken Good**)

Meeting will be Wednesday at 7:00am. Regional & Student Chapters will be reviewing new chapter petitions and hopefully will be at liberty to announce additions following tomorrow's meeting.

Thank you to the North Carolina Chapter for hosting the Royster Award Competition November 17th at the NC State University.

Congratulations to Royster winners:

- Atul Rungta of the University of North Carolina at Chapel Hill
- Nikhil JRK Gerard of North Carolina State University

14. Tutorials, Short Courses, Hot Topics (?)

Minneapolis Tutorial Lecture *Hearing Loss and the Future of Auditory Implants*

Michelle Vigeant: No current chair for the committee

15. ASA Foundation Fund (**Carl Rosenberg**)

Absent.

16. ASA Jam (**Tony Hoover**)

New Orleans Jam (10th Anniversary!) will be held tomorrow night from 8-midnight at One-Eyed Jack's, 615 Toulouse Street

17. Acoustics Today advisory committee (**Matt Golden**)

TCAA Subcommittee Reports

1. Newman Student Award Fund Update (**Lily Wang, Bob Celmer, Michelle Vigeant**)

Lily Wang: Bob Celmer received Rossing Price in Education at this meeting.

9 Newman Medalists this year.

About 12 people in the room stood up as previous Newman Medalists.

Student Design Competition in Minneapolis. Sponsored by Wenger Foundation.

Newman Fund is raising money, kicked off campaign in Boston.

2. Classroom Acoustics (**Dave Woolworth, David Lubman**)

David Lubman: We are working on something, there will be a report at the next meeting.

3. Speech Privacy (**Ken Good**)

This new subcommittee (approved at the Boston meeting) will have its inaugural meeting 5:00pm Wednesday in Studio 3. All are welcome to participate. We currently have 50 members to our contact list and if you wish to be included in our contacts and correspondence simply self-subscribe [HERE](#).

4. Student Design Competition (**Dave Woolworth & Andy Miller**)

Next competition will be in Minneapolis

Announcement will be posted to the Newman Fund website

5. Green Building Acoustics (**Eddie Lau & Shiu-Keung Tang**)

- We completed a preliminary session of "Green Building Acoustics" in InterNoise in Aug 2017. The results will be consolidated on the website soon.

- As the initial task of this subcommittee is to set up a website, which was completed, we have to re-define the scope of this comment to enhance our activities. The scope will circulate to the member for comment. Preliminary we drafted our scope as: "The scope of this sub-committee is to facilitate the development of the built environment for future generations and increase the awareness of the acoustics in sustainable (or green building) architecture. The sustainable acoustics environment should enhance the ability for future generations to meet their own needs."

- With the currently drafted scope, we plan to communicate with other sub-committees to enhance our development. We plan to interview our members to identify the sustainable development and practice of this field in other sub-committees.

- To enhance the awareness of the acoustics in sustainable architecture, we propose to have a special session of "Sustainable acoustics in social space" at the ASA fall meeting in 2018. Andy Chung and I will co-chair this session.

6. Healthcare Acoustics Subcommittee (**Gary Madaras**)

No activity since Boston Meeting

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7. AIA/CEU Course: **(Ken Good)**

Ken Good: I am pleased to report that we have an active and growing utilization of this valuable outreach, educational & business development tool. To be a qualified presenter you must be a member of ASA, TCAA and have attended our CEU course. The next course will be at the Spring 2018 Minneapolis meeting.

Bennet Brooks: Course in Minneapolis is Wednesday after lunch.

8. Concert Hall Research Group **(Robin Glosemeyer & Tim Foulkes)**

CHRG symposium August 12-15 2018, to be held in Troy, NY, focusing on the EMPAC building at RPI.

Robin Glosemeyer: Focus on recording a modern music. There are student scholarships.

Ning Xiang: Albany International Airport close to Troy, inviting international scholars to come. Tanglewood is not too far. Hudson Historic Opera House also near. Saratoga Springs is a beautiful place.

Section Three: New Business and Meeting Planning

I. New Business

- a. Bennet Brooks: From NCAC, 2 awards the Laymon N. Miller Award to George Wilson and the C Paul Boner Award to someone who embodies teacher, scientist, administrative, technician and outstanding contributions in Architectural Acoustics: Bob Coffeen
- b. Rick Doedens: Healthcare subcommittee put recommendations to FGI (Facility Guidelines Institute) acoustics committee. Beyond editorials, suggestions were rejected. Last November we learned that rejecting these updates about sound masking in healthcare was because it shouldn't be considered a panacea for acoustic design. It was a political decision. Dealing with FGI we need to understand it as a political and not academic entity.
- c. Ken Roy: public policy subcommittee is talking about noise in restaurants. Propose this committee launches something to take action.
- d. Neil Shaw: How many members are part of NZ acoustical society? They have restaurant criteria for acoustic ambiance.
- e. Gary Madaras: ADA protecting hearing loss, (in response to Ken Roy).

II. Planning of Future Meetings

- **175th Meeting**, Minneapolis, MN: May 7-11th 2018
 - **Co-Chairs:** Peggy Nelson, Bruce Olson Co-Chairs,
 - **Technical Program Chair:** Andrew Oxenham
 - **TPOM Representatives:** Ian Hoffman & Shane Kanter
 - **60 Abstracts Submitted**
 - **Special Sessions:**
 1. Interactions Between Acoustics and Architectural Design
 2. Auditory Perception in Virtual, Mixed, and Augmented Environments
 3. Assistive Listening Systems in Assembly Spaces
 4. Architectural Acoustics Experimental Methods in Laboratories
 5. Acoustics of Lobbies, Atria, Stairways, Corridors, Prefunction and Similar Spaces
 6. Acoustics in Classrooms and Other Educational Spaces
 7. AIA CEU Course Presenters Training Session
 - **ASA School** Living in the Acoustic Environment
Brigitte Schulte-Fortkamp: It's announced on the website.
 - **Tutorial Lecture** Hearing Loss and the Future of Auditory Implants
- **176th Meeting**, Victoria, BC: May 7-11th 2018 (joint CAA) – *The Empress*
 - **TPOM Representatives:** Ian Hoffman & Shane Kanter

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- **Special Sessions:**
 1. Sustainable Acoustics in Social Spaces
Eddie Lau, Andy Chung
 2. Microphone Array Applications in Room Acoustics
Michael Vorländer, Gary Elko
 3. Advances in the Laboratory Testing of Acoustical Materials
Ron Sauro
 4. Validation of Acoustical Modeling and Analysis
Logan Pippett, Ben Bridgewater
 5. Architectural Acoustics Design Achievement
Jin Yeon, Ning Xiang
 6. In Honor of Murray Hodgson
Maureen Conolly, Dave Woolworth
Neil Shaw seconds motion, approved.
 7. Even Better than the Real Thing
Alex Case, Tony Hoover
Rick Talaske: Name is demeaning to architectural acoustics.
Proposes to find a better name.
 8. Acoustical and Well Building Standard
Ethan Bourdeau
- **177th Meeting**, Louisville, KY: May 13-17, 2019 – *Galt House*
 - **Preliminary Special Sessions**
 1. Speech Privacy
Ken Good, Eric Reuter
 2. ...
 3. ...
- **Future Meetings**, no action required:
 - 178th Meeting San Diego, CA: Fall 2019 - *Hotel Del Coronado*
 - 179th Meeting, Chicago, IL: Spring 2020
 - 180th Meeting, Cancun, Mexico: Fall 2020

III. 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. TIs do not automatically roll over.
- **Discretionary Funds:**
 - \$5000 annually, can be used to assist Invited Speakers, Student Paper Awards – Temporary *increase to \$6000 for 2017*
 - AIA CEU ongoing
- **Submitted Technical Initiatives**
(none submitted)

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Meeting Adjournment

Ken moves to adjourn. Tony seconds.