

Agenda

TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

173nd Meeting of the Acoustical Society of America
Boston, Massachusetts

Mondy 26th June 2017

8:00 PM

Hynes Convention Center, Room 207

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.

II. Previous Minutes

- Approval of previous minutes
 - Previous minutes (Honolulu)
 - Reminder: TCAA Meeting Agenda and Minutes are published on the TCAA website <http://tcaasa.org>

III. Acknowledgements; Thank you to....

- **Damian Doria & Mats Abom** (Meeting Co-chairs)
- **Ken Good & Damian Doria** (TCAA TPOM Reps)
- **Session Chairs:** Brigitte Schulte-Fortkamp, Ken Roy, Edwin Reynders, John LoVerde, Jordi Poblet-Puig, Anna Astolfi, Viveka Lyberg-Ahlander, David Woolworth, Dinesh Manocha, Lauri Savioja, Peter Svensson, Birgit Rasmussen, Jorge Patricio, James Phillips, Bert Roozen, Herbert Muellner, Ken Good, David Swanson, Tapio Lokki, Michelle Vigeant, Nicola Prodi, Gary Siebein, David Lubman, Tony Hoover, Alex Case, Wolfgang Ahnert, Matt Golden, Stefan Schoenwald, Lieven De Geetere, Miriam Kolar, Elana Bo, Ian Hoffman, Michael Vorlander, Stefan Weinzierl, Ning Xiang, Damian Doria, Thomas Burns, Peter Mapp, Stephen Dance, Daniel Urban.
- **Paper Presenters:** All 229 papers presented in the 34 sessions

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IV. In Memoriam

- **Kenric Van Wyk**

V. Congratulations

- **Lily Wang – ASA President-Elect 2017-2018**
- **Michelle Vigeant & Michael Vorlander – Executive Council 2017-2020**
- **David Braslau – ASA Fellow**

For contributions to noise mitigation and quieter communities

VI. Chair's Report

- ASA School – *Living in the Acoustic Environment* May 5-6, 2018 in Chaska, MN
- TCAA Video – Task Force I (Awareness of Acoustics) is looking for someone to lead an effort to create a 5-7 min. video about architectural acoustics for the ASA YouTube channel.
- Fellows – ASA needs more fellows. We are encouraged to engage in a review of our membership and nominate new fellows.
- Joint meeting proposal – Sydney 2021
- Comments on this meeting

Section Two: Committee and Subcommittee Reports

I. ASA Committee Reports

1. Archives and History (**Vic Sparrow**)
2. Education (**David T Bradley**)
3. Medals and Awards (**Bennett Brooks**)
 - a. Ron Freiheit to be our new rep
4. Membership (**Tony Hoover**)
5. Standards (**Ange Campanella**)

ASTM:

A round robin by laboratories practicing ASTM E90 (sound transmission by partitions) is to be executed over the next 2 years (est). The standard specimen will be a kit of steel stud-drywall-fiberglas insulation panel materials furnished from a single source, to be constructed on-site by each participating laboratory.

Open Office speech privacy is being reviewed for updating, incorporating the articulation index (AI, via ASTM E1130).

Closed office speech privacy is measured via ASTM E-2638. This measures the sound reduction of speech to locations outside the office, with concern of eavesdropping, the results presently coined as the speech privacy class (SPC). This is now up for review.

ANSI:

Classroom acoustics (ANSI 12.60) continues in usage in North America. Additional sections or additional criteria have been written for movable (temporary) classrooms.

ISO:

ISO TC43/SC2 deals with architectural acoustics. Several of their standards are parallel to ASTM standards on the same topics. Recent SC2 activities include acoustical classification schemes for in Europe (ISO CD19488), and various national regulations for noise insulation. A framework for architectural design of building acoustics is in process (ISO CD/16816-1). This would prescribe the design work procedure used in collaboration with the project architect.

Additional reminders:

- 12.60 needs a sponsor (\$5k/yr)
- Free standards reminder
- ASACOS is looking for organizational members
- Terminology Standards available free

6. Student Council (**Matthew Neal**)
7. JASA & JASA-EL (**Brian Katz, Francesco Martellotta, Michael Vorländer, Ning Xiang**)
 - a. JASA Associate Editor (**Michael Vorländer, Brian Katz, Francesco Martellotta, Ning Xiang**)
 - b. JASA Coordinating Editor (**Ning Xiang**)
 - c. JASA-EL Associate Editor (**Ning Xiang**)
8. POMA (**Lauren Ronsse**)

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

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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**)
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.
Please see the call for papers for more details on these opportunities for future meetings.
11. College of Fellows (**Tony Hoover**)
12. ASA Publications (**Neil Shaw / Dave Woolworth**)
13. Regional & Student Chapters (**Ken Good**)
14. Tutorials (**Michelle Vigeant**)
15. ASA Foundation Fund (**Carl Rosenberg**)
16. ASA Jam (**Tony Hoover**)
17. Acoustics Today (**Matt Golden**)

II. TCAA Subcommittee Reports

1. Newman Student Award Fund Update (**Lily Wang, Carl Rosenberg**)
2. TCAA Student Paper Award – Results from Honolulu
1st Place: **Matthew Neal**, Penn State University
"Design of a compact spherical loudspeaker array for simulating accurate instrument directivities for concert hall measurement and auralization"
2nd Place: **Peter Moriarty**; Penn State University
"Low frequency analysis of acoustical parameters of emotional speech for use with functional magnetic resonance imaging"
Tue - Thu Chairs – Pick up judging forms before you leave!
3. Classroom Acoustics Update (**David Lubman, Dave Woolworth**)
4. Student Design Competition (**Dave Woolworth & Andy Miller**)
5. Green Building Acoustics (**Eddie Lau & Shiu-Keung Tang**)
6. Healthcare Acoustics Subcommittee (**Gary Madaras**)
7. TCAA Website (**Sean Browne**)
 - a. Subcommittee chairs are encouraged to add content (sdbrowne@armstrongceilings.com)
 - b. All TCAA members are encouraged to submit project pictures
8. AIA/CEU Course: (**Ken Good**)
9. TPO Rep (**Ken Good & Ian Hoffman [Shane Kanter]**)
10. Architectural Associations Targeted Outreach (**Greg Miller**)
11. Leo & Gabriella Beranek Scholarship Fund (**Bill Murphy**)
12. Concert Hall Research Group (**Robin Glosemeyer & Tim Foulkes**)
 - a. CHRG symposium August 12-15 2018, to be held in Troy, NY, focusing on the EMPAC building at RPI.

Section Three: New Business and Meeting Planning

III. New Business

a. Proposed Subcommittee on Speech Privacy (Ken Good)

IV. Planning of Future Meetings

- **174th Meeting**, New Orleans, La: December 4-8 2017
 - **Call for Papers:** June 7
 - **Deadline for receipt of abstracts:** July 10
 - **TPOM Representatives:** Ian Hoffman & Shane Kanter
 - **TPOM:** August 10
 - **Special Sessions:**
 1. Restaurant Acoustics
 2. Perceived Diffuseness
 3. Speech Privacy Concerns in Open Plan Spaces
 4. Back to the Future: A look at Multipurpose spaces, how they've changed & what's next
 5. Speech Intelligibility in Reverberation and Noise
 6. Impact of Entertainment Sound on Communities
 7. Performance Spaces for Modern Music

- **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
 - *Identify sessions for streaming*
 - **Special Sessions:**
 1. Assistive listening (**joint with PA Damian Doria**)
 2. Classroom acoustics
 3. Laboratory measurements for AA (**Ning Xiang?**) / New materials (**Matt Hildebrand**)
 4. Architecture for Acousticians (**Ana Jaramillo, Adel Hinawi**)
 5. Auralization (**Shane Kanter**)
 6. AIA CEU (**Tony Hoover**)

- **176th Meeting**, Victoria, BC: November 5-9 2018 (joint CAA)
 - **Preliminary Special Sessions:**
 - 1.

- **Future Meetings**, no action required:
 - 177th Meeting, Louisville, Ky: May 13-17 2019

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178th Meeting TBD: Fall 2019
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. 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 considered on-going
- **Submitted Technical Initiatives**
 - a. **CHRG** - \$5,000 to support tuition assistance for university students attending the 2018 CHRG Symposium
- Website Upgrade/Maintenance. \$300

VI. Other Business

VII. Meeting Adjournment 10 PM