

MINUTES

TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

Meeting of the Acoustical Society of America

27 October 2009

7:30 PM

San Antonio, TX

Chair: **Brandon Tinianov**

Secretary: **Alex Case**

I. (7:30 PM) Welcome and Introductions

WE START AT 7:36

The meeting was called to order by Brandon Tinianov at 7:36 with 73 attendees signing-in. 11 of these are first time attendees.

II. Previous Minutes

The minutes of the previous meeting, held in Portland, were approved as revised and distributed.

MOTION to accept – (by Michelle Vigeant, Second by Ralph Muehleisen)

FOR – unanimous

AGAINST – none

MOTION CARRIES

III. Acknowledgements

Thanks to:

- General Chair: **Clark Penrod**
- Technical Program Chair: **Nicholas Chotiros**
- TPOM Representatives: **Doug Winker** and **Dave Woolworth**
- Session Chairs: **Scott Pfeiffer, Dave Woolworth, Doug Winker, Ian Hoffman, Molly Norris, Kenneth Good, Pam Harght, Ron Sauro, Lou Sutherland, David Lubman, Alex Case, and Gary Siebein.**
- All paper presenters

IV. Congratulations!

- New ASA Fellows: **David Adams, Ralph Muehleisen, Dennis Paoletti**
- Silver Medalist: **Michael Stinson**

V. (7:40 PM) Chair's Report

- Comments on this meeting

- (**Ning Xiang**) High platforms high and dangerous.
- (**Ralph Muehleisen**) Embarrassed by loudspeaker systems. Not what we expect.
- Sine wave's from session next door were distracting.
- Poor ventilation.
- (**Dave Woolworth**) Thanks to all who volunteered and played and organized and attended the ASA Music Social. Thanks most especially to principal organizer **Pam Harght!** The Music Social is now supported by the College of Fellows, needing no Technical Initiatives.

VI. (7:55 PM) ASA Committee Reports

1. Medals and Awards (Dana Houglund)

- Send suggestions and nominations to Dana Houglund, due six to seven weeks prior to the meeting.
- Rossing/Rayleigh for education nominations are due in March.

2. Membership (Ron Freiheit)

- Congrats again to the 3 new TCAA Fellows
- Please consider your colleagues here who might be worthy of Fellowship. Anyone can nominate, plus two letters of support (at least two of these three must be a fellow).

3. Standards (George Winzer)

- Bob Hellwig reporting:

Don't forget, every member gets 5 free ASA standards per calendar year. If you've lost the code, email the Citation Help Desk (request with your name and ASA Membership Number) and they'll email you your keys to the kingdom.

Classroom S12.60 has been reaffirmed: R2009

S12.60 Part 2 Modular Classrooms is approved and should go to press within a couple of months. These will be available at no cost thanks to generous sponsors: Armstrong, Trane, and Owens Corning.

S12.60 Working Group 52 is addressing incoming comments for the standard, and it is fast-tracked for conversion into code compliant form (consistent with International Building Code).

S12.60 Part 3, Portable Equipment: expect draft soon.

4. Student Council (Norman Philip)

- Introduction of our newly appointed TCAA rep.
- PACS numbers: Some concern that PACS is an obsolete concept because of the keyword orientation of current search methodologies.

- Student Council is concerned that the potential May 2012 meeting in Hong Kong will be prohibitively expensive.
- New student signal processing competition is being developed by students in TC Signal Processing.
- Applications for Mentoring Award due in March for the Cancun Meeting.
- asastudents twitter is live.
- Interested in Special Session for TCs to expose new members to benefits of ASA membership and activities.

5. Committee on Meetings

- Voted unanimously to go to Hong Kong in 2012. Bob Coffeen did raise concerns about attendance from students and professionals.
- Brandon Tinianov reports that the invitation from Hong Kong to host points out that:
 - No visa is needed.
 - Proximate to Japan, China and other active acoustics societies.
 - Plane fare is expensive, but food and housing is quite affordable.

6. JASA and JASA-EL Editor (**Ning Xiang, Lily Wang**)

- About 40 manuscripts have come in over the last year.
- 17 accepted
- 11 rejected
- 12 still pending
- Papers mostly are coming from Europe and Rest of World, not United States.
- **Lily Wang:** Applications-oriented papers have a place in JASA. See Lily's presentation from Portland Session on applications papers. *Preparing a submission to JASA on applied projects in architectural acoustics* <<http://scitation.aip.org/confst/ASA/pub/10/4aID4.pdf>>
- **Brandon Tinianov:** AA is one of the largest, most active TCs in the Society, yet one of the least published in JASA.
- **Ning Xiang:** JASA-EL: 5 proposed, 1 accepted, 4 rejected.
- **Ang Campanella:** It would be a good idea for someone (Session Chairs?) to solicit JASA publication from promising papers and encourage publication of graduate theses in JASA, JASA-EL, POMA, etc.

7. POMA editor (**Ralph T. Muehleisen**)

- POMA is the Proceedings of Meetings on Acoustics.

- Every paper Ralph has seen so far at this conference is appropriate for POMA.
- Take your presentation and add prose with computer graphics. It may be made more complete (white paper) if you like. Only caveat: avoid commercialism. You may not just plug your product.
- Also, please proof carefully.
- Deadline: 1 year from presentation date to submit.
- Chairs of all sessions at ASA meetings should encourage their presenters to publish in POMA. Include it in your advance communications with presenters, remind them at the session itself, and then include a POMA reminder in any follow-up/thank you communications.
- Still not in Google Scholar, but we are working on it.
- POMA publications can still be published later in JASA (or elsewhere).

8. Women In Acoustics: (**Lauren Ronsse**)

- All are welcome to join us at luncheon tomorrow.
- For Baltimore, please apply for the young investigator travel grant (ditto for child care).
- Note the Special Session at Baltimore: Listen up and get involved - Acoustic demonstrations for middle- and high-school age Girl Scouts

VII. (8:15 PM) TCAA Subcommittee Reports

1. Newman Student Award Fund Update (**Bill Cavanaugh, Carl Rosenberg**)

Newmanfund.org

Awards come in three forms:

- a. The Newman Award goes directly to worthy students. Educators should nominate worthy students. See newmanfund.org for more information.
Current
- b. Shultz Grant to improve educational tools is a \$3k award. Entries are due at the end of June.
- c. Student Design Competition (see below)

2. Design Competition (Bob Coffeen)

- a. We'll have a competition in Baltimore: Small Opera House for a university.
- b. Andy Miller has helped us with this one.
- c. Open to graduates and undergraduates, individually or in team of up to 3.
- d. Thanks to Newman Fund and Wenger Corp
 - i. \$1250 first place

- ii. \$700 commendation (four awards)
- 3. Concert Hall Research Group Update (**Michelle Vigeant**)
 - a. Santa Fe, NM, July 26, 2010. Chamber music and opera attendance is planned.
- 4. Classroom Acoustics Update (**David Lubman, Lou Sutherland, Bob Coffeen**)
 - a. **David Lubman:** Regarding the 2009 Technical Initiative (\$3000) development of Booklet for Architects: Lou Sutherland has been a fireball, cracking the whip on this project. Dave Woolworth and Peter Finney have finished a draft and it is out for review. There are additional plans to include audio examples for a web-based version. Camera-ready document needs to be created and proofed by Books+ as it will be an ASA Publication.
 - b. **David Lubman** believes the full TI will be exhausted.
 - c. **David Lubman:** Case studies would help sell the benefits of good classroom acoustics. Please contribute.
 - d. **Susan Blaser** points out we have three corporate sponsors, including Trane. Trane would also like to have case studies on their web site too.
 - e. **David Lubman:** Knudsen Speaker for Baltimore will be one of the two principals on the Bremen study, a longitudinal study of the efficacy of lower RTs in classrooms.
 - f. **David Lubman:** LEED subcommittees are showing interest in acoustics.
 - g. **David Lubman:** There is a real payoff for ASA and AIP in the support for the classroom acoustics initiative, because research has come to the fore, and is a vital area.
- 5. Acoustic Product Safety Group (**Nancy Timmerman**)
 - a. Nothing to report.
 - b. Should we dismantle this Subcommittee?
- 6. Acoustic Data Working Group (**Ron Sauro**)
 - a. Nothing to report.
- 7. *Theatres for Drama Performance: 25 Additional Years of Acoustical Design* (**David Bradley, Erica Ryherd Michelle Vigeant**)
 - a. David Bradley: Book has new Title: "Acoustical Design of Theatres for Drama Performance from 1985 to 2010."
 - b. Nine firms have submitted so far.
 - c. Deadline is Nov 1, 2009.
 - d. Plan to go to press by Cancun.
- 8. Joint Subcommittee with Noise on Speech Privacy (**Greg Tocci**)

- a. Ken Roy: Subcommittee has only had conversations via email. Actual meeting is rescheduled for Boston in April/May, well-before the Baltimore conference.

9. TCAA Student Paper Award – Results from Miami (**Alex Case**)

Congratulations to our student winners:

1st Place

Dakota Kelly

University of Nebraska - Lincoln

2nd Place

Derek Olson

Vassar College

Thanks to the many members who thoughtfully offered their feedback.

David Bradley has offered to help administer this judging.

10. Subcommittee on Green Building Acoustics (**Ralph Muehleisen**)
-gba-request@acousticsweb.com

Wants a subcommittee meeting for Baltimore. Watch email. Will be organizing some excellent special sessions.

11. Proposed subcommittee on building performance research and standards guidance
(**Ken Roy**)

- a. Nothing to report

VIII. (8:45 PM) New Business

- New ASA Website – check it out, help us keep it current and accurate
 - <http://tcaa.acosoc.org/>
 - TCAA has launched a new website. It is now live! It is the source for all things TCAA.
 - Thanks to **Connor Sheehan** for developing this!
- Research Direction: Alan Pierce (JASA Editor in Chief) requests some guidance from experts in the field to
 - 1) encourage new researchers to select well-vetted topics
 - 2) improve the quality and impact (references within a 2-year period) of our current journal.

Scott Pfeiffer, Ken Roy have volunteered to help here.

- Alan Pierce is looking for PACS volunteer(s) for Technical Committee topics – one or more contact names. Volunteers will review existing PACS, update and restate them for maximal relevance today.

Ning Xiang, Ralph Muehleisen, Ang Campanella

- TCs are again being encouraged to explore the concept of TC specific Special issues. The special issue would include a guest editor from the TC to set the tone of the issue. Issue is to be aimed at the TC's core readership.
- Position about to be announced for an Acoustical Society of America Educational Outreach Coordinator, working with the Optical Society of America.
 - Ralph Muehleisen suggests that we view this resource as support in TCAA's frequent efforts to educate architects and others.
- Website underway (also with Optical Society of America) to encourage and teach a middle school level audience. They are also generating posters for the same audience.
- TC Scope description still needs development. Volunteers identified at our last meeting in Portland: **Ning Xiang, Tony Hoover, Jodi Jacobs.**

VIX. (8:50 PM) Planning of Future Meetings

- Spring 2010 meeting, Baltimore, MD (April 19-23) ABSTRACTS DUE November , 2009. Please contribute!
- Fall 2010 CANCUN tentative ideas to date:
 - **David Bradley** - Theaters for Drama Performance
 - **Lily Wang** – Perception of Binaural Acoustics in Rooms
 - **Ron Sauro and Ang Campanello** – State of the art in measurement methods and facilities (co-sponsor with Standards)

- **David Lubman** – Archeological Acoustics (joint with Noise)
- **David Lubman** – International Perspective on Classroom Acoustics (joint with Noise, ASACOS)
- **Charles Schmid** encourages us to contact colleagues in South America and invite papers and seek out co-chairs.
- **Ken Roy** – Sound Attenuation Through Ceiling Plenums, Vertically and Horizontally
- **Norman Philip** –Auralization in Rooms
- **Jason Summers** -- Joint Methods for Computational Auralization in Rooms and Underwater (Joint with Underwater Acoustics)
- **Scott Pfeiffer** – Mechanical Engineering Panel Discussion on the Roles of MEs and Acousticians (Joint with Noise)
- **Seattle, WA May 23-27, 2011** Proposed Sessions
 - **David Adams** - Plumbing Noise (Joint with Noise)
- **Hong Kong May 13-18, 2012**
 - Should ASA enter into a joint meeting with Western Pacific Commission on Acoustics, Acoustical Society of China?
 - **Norm Phillips:** is opposed as it is too expensive!
 - **Lily Wang:** there is so much amazing work going on in Asia that we aren't aware of!
 - **Charles Schmid:** there is immense acoustics activity there. It is time to interact. 30% of our ASA members are outside North America. 50% of our authors are outside North America.
 - **Ken Roy:** recent experience with green buildings and acoustics is strong there. We should link, where possible, sessions to green building.
 - **Nancy Timmerman:** as a sole proprietor, this is a substantial investment to go to another international meeting. Paris, Cancun, Hong Kong.
 - **Jiry Tichy:** Strongly supports going to Hong Kong, as there are great things happening there. To travel a few extra hours will lead to great benefits.
 - **Ang Campanella:** as sole proprietor, sees it both ways. Can't afford to go and can't afford to miss it.
 - **George Wilson:** Went to a recent WesPac and it was really wonderful.
 - VOTE: Are you interest in the concept of a joint meeting such as this in Asia?

- YES: 80%
- NO: 5%
- ABSTAIN: 15%
- Would you consider attending?
 - YES: 50%
 - NO: 50%
 - ABSTAIN:

IX. (9:05 PM) Technical Initiatives – Reports and Renewals

- Website Upgrade/Maintenance (**Conor Sheehan**) (preapproved) \$300
- Travel Funds for Invited Speakers (preapproved) \$1500
- Student Paper Awards (preapproved) \$1000
- *Knudsen Lecture* (**Chair**, \$1000 for 2009)
- (**Michelle Vigeant**) \$5,000 to support CHRG 2010 Summer Institute.

Likely to support faculty for meals and housing. Total budget for the event is about \$60,000. **Ralph Muehleisen**: Physical Acoustics Summer School, as a comparison, faculty gets food and hotel.

YES: 47

NO: 3

ABSTAIN: 6

TI IS APPROVED

- (**David Bradley**) \$500 Theatre Group Book for promotion of the book at Cancun. Booth, shipping costs, promotional materials.

YES: 65+

NO: 0

ABSTAIN: 4

X. (9:25 PM) Other New Business

- (**Eric Reuter**) Regarding the Architectural Acoustics AIA Continuing Education Unit presentation.

Over 100 architects have taken it.

There are 3 requirements to be a presenter.

1. Must be a member of TCAA
2. Attend a workshop (we've run two, and plan another in Seattle)
3. Sign an AIA Quality Commitment Statement.

- **(Tyrone Hunter and Bob Astrom)** – Experiments for Acoustics in Education to get younger students excited about acoustics.

XI. (10:51 PM) Meeting Adjournment

Unanimous