

MINUTES

ACOUSTICAL SOCIETY OF AMERICA
TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS
Salt Lake City, Utah, June 5, 2007

Chair: **Lily Wang**

Secretary: **Brandon Tinianov**

The meeting was called to order at 7:36 PM by TCAA Chair, Lily Wang.

1. Welcome and Introductions. Members and guests attending the meeting were asked to sign an attendance list. Special recognition was given to the approximately 20 attending students and to first time meeting attendees.
2. Approval of Minutes. The minutes of the previous meeting were approved as distributed.
3. Acknowledgements. The committee would like to thank the following for their work on their work on the Salt Lake City meeting: General Chair: Scott Sommerfedt; Technical Program Chair: Tim Leishman; TPOM Representative: Bruce Olsen; and Session Chairs: Bennett Brooks, Paul Calamia, Alex Case, Bob Coffeen, Peter D'Antonio, Robin Glosemeyer Petrone, Kenneth Good, Jr., Byron Harrison, Tony Hoover, Tim Leishman, Christian Nocke, Bruce Olson, Norm Philipp, and Lily Wang. Also, thanks to all paper presenters. A special thank you goes to Tony Hoover for presenting this meeting's short course.
4. Congratulations. Deep congratulations to New ASA Fellows: Damian Doria and John Eargle (who unfortunately recently passed away).
5. Chair's Report on Technical Council Items.

Lily reported on the following Technical Council Items:

Building on results of Vision 2010 has resulted in 4 task forces: (1) Webpage Improvement, (2) Mission Statement, (3) Educational Outreach, and (4) Meetings Improvement. Ideas are welcome on any of these, particularly (4).

\$5000 has been set aside to help expand the technical horizons of ASA. Ideas are welcome on topics or ways to structure/engage/evolve within ASA (e.g. nanotechnology, neural imaging...). Please see Brandon Tinianov with potential ideas.

An ad-hoc committee called the Inter-Society Activities Committee is being formed, under chair Courtney Burroughs. Volunteers are being sought to attend meetings at ASA conferences, particularly those with strong ties to other societies (ASHRAE, AES, INCE, NCAC, etc.)

New open access on-line journal proposed to kick off in January 2008 (submission to begin in October 2007); four issues per year

- Content: papers presented at ASA-sponsored meetings are eligible for publication in new journal
- Format: authors upload one PDF file with all figures embedded, of 12 printed pages or less
- Review: an associate editor in a technical area is assigned to each paper, responsible for rapid decision on acceptance or rejection (based on paper adhering to some basic requirements). This associate editor is appointed by TCAA chair for 3-year term. No peer-review process.

- Fee: Authors will be asked to pay a fee for each paper to offset cost of the online journal (suggested \$100/paper, waived for students who are first authors).
- The topic was moved and there was a vote on whether members are in favor of this on-line journal – For – 62, Against – 7, Abstain – 6. The motion passed.
- Next, there was a vote on proposed journal title for the proceedings publication. The results were:
 - Proceedings of the Acoustical Society of America (PASA); Votes: 20
 - Proceedings of the Acoust. Soc. of Amer. Meetings (PASAM); Votes: 9
 - Acoustical Society of America Proceedings (ASAP); Votes: 10
 - Transactions of the Acoustical Society of America (TASA); Votes: 4
- Persons interested in being AA Associate Editor in charge of this journal, please contact the TCAA Chair.

Comments on this meeting

- Participants noted that it has been a good size hotel, good short course, an excellent tutorial and technical tours

6. ASA Committee Reports.

Medals and Awards (Red Wetherill) – Katherine Harris is to receive the ASA’s Gold Medal, our highest honor.

Membership (Greg Tocci) – Tony Hoover spoke on Greg’s behalf. He commented that the Membership committee continues to seek nomination letters for Fellows. Keep prospective members in mind. Ron Freiheit has agreed to serve the next 3-year term for TCAA on the ASA Membership committee. Many thanks to Greg for his multiple terms of service!

Standards (George Winzer) – Bob Hellweg reported on two current issues. Under a new initiative, each member gets 5 free standards per year, beginning in 2008. Also, the ‘classroom acoustics standard’, ANSI S12.60 will be designated ANSI/ASA S12.60 in the future. Thanks for everyone’s work on that important standard.

Student Council (Michelle Vigeant) – Michelle announced to the membership that there will be a session on fellowships and grants at the New Orleans meeting. Also, there is a new student chapter at the University of Hartford. A new student council chair will be elected at the New Orleans meeting.

JASA/ARLO (Mendel Kleiner and Ning Xiang) – Ning gave a PowerPoint presentation detailing the number of papers over the last 3+ years and their success rates. He has been renewed for the Jul07 – Jun10 term. He offered his thanks to the Editor in Chief, Alan, and the TCAA.

Books + – The proposed book project *Another Two Decades of Drama* still requires an updated cost and sales estimate from the project co-chairs within TCAA. A request for such was made to Robin G and Greg M during the meeting. A shorter, free pamphlet titled “How to Soundproof your Home” has been edited and now has approval for new illustrations. The editor consultant will solicit bids and submit them to Books +. What is the status of the proposed book on worship spaces? The project chairs were not present to comment. Lastly, Books + is looking for non-published reports or research that would

be particularly interesting to the membership in the form of archives. It was mentioned that Riverbank labs may have some test data that should be cataloged and archived for all.

7. TCAA Subcommittee Reports.

Newman Student Award Fund (Carl Rosenberg) – The subcommittee has made good progress this year. The Newman Fund’s 2006 newsletter has been issued and 12 students have been recognized with medals this year to date.

Student Design Competition (Bob Coffeen) – Bob announced the winners of the day’s competition. They were recognized with applause. The winners are: First Honors: Andrew Miller, Megan Hunziker, and Matt Pauly (University of Kansas); Commendations: Benjamin Jados and Ayse Bautz (Illinois Institute of Technology); Dorea Ruggles, Nicholas Tranby and Elizabeth Panzer (Rensselaer Polytechnic Institute); Tom LePage, Yun Jing and Xiaohu Chen (Rensselaer Polytechnic Institute); Pamela Harght, Marshall Hilton and Andrew Thomas (University of Kansas); Rolando de la Cruz, Arthur van der Harten and Joshua Fialkoff (Rensselaer Polytechnic Institute).

Concert Hall Research Group – Bill Dohn announced that organizers are being sought for the next CHRG Summer School 2009. Please see him if you would like to participate or have any ideas regarding a proposed location.

Classroom Acoustics (David Lubman, Lou Sutherland) – Lou presented a slide on the current issues being dealt with by the subcommittee. He proposed two new booklets: one on classroom acoustics directed at educators and one directed at architects. He is asking ASA for funding of paid staff to support ASA outreach programs on the topic. Currently there is \$2000 in initiative money that has not been spent. Steve Pettyjohn mentioned the website: www.excellence.dgs.ca.gov, developed by the state of California with information on how to maximize student performance; Pettyjohn authored the section on acoustics in schools.

Subcommittee on University/Consultant Partnerships for Research (Paul Calamia) – this subcommittee has been disbanded.

Acoustics Product Safety Working Group (Nancy Timmerman) – nothing to report.

Acoustic Data Working Group (Ken Roy) – nothing to report.

Another Two Decades of Drama Theaters (Robin Glosemeyer) – The Books+ committee has recommended approval of the publication of the project to Executive Committee.

Joint Sub-Committee on Speech Privacy (Greg Tocci) – Greg was not present. The group was to meet on Wednesday at 5:30 PM.

TCAA Student Paper Award (Brandon Tinianov) – Results from the Honolulu meeting were presented by Brandon. Congratulations to first place recipient Jonathan Rathsam (University of Nebraska), and three commendation recipients Hisaharu Suzuki (Kyushu University), Michelle Vigeant (University of Nebraska), Genta Yamauchi (Kyushu University)

Green Building Acoustics (Ralph Muehleisen) – There is a new user group at the address groups.google.com/group/ASA-GBA. Email: asa-gba@googlegroups.com to join the Google group. Ralph also reported on the new ASHRAE draft standard 189 on high performance green buildings. Public review and comment is open until July 9th. USGBC has approached ASA Standards for guidance and reference of standards in their products.

8. New Business. Election of TCAA Chair (2007-2010): The nominating committee has forwarded two names – Alex Case and Brandon Tinianov. After a vote, Brandon Tinianov was elected the new chair of TCAA, and Alex was requested to be the incoming secretary. Both gentlemen accepted the positions.
9. Planning of Future Meetings. Special Session planning discussion for future meetings was led by Lily Wang. She reminded the attendees that TCAA should aim to have at most 7 or 8 half-day special sessions in order to have no overlapping special sessions.
 - A reminder was made to special session chairs, that they should submit the session report forms to the ASA office after each meeting, making particular note of authors who do not show to present their paper.

New Orleans, LA (November 27-December 1, 2007)

- TPOM Representatives: David Woolworth and Ang Campanella volunteered.
- TCAA is hosting a hot topic presentation in New Orleans. Brandon Tinianov will solicit speaker and subject for the talk.
- Reduced registration for young career acousticians is scheduled to start at this meeting.
- Presentation abstracts are due July 23, 2007.
- TCAA Special Sessions:
 - Acoustics of rehearsal facilities (Damian Doria)
 - Sound systems in large rooms and stadia (Dave Woolworth)
 - Acoustics of modular construction (joint with Noise and Standards) (Eddie Duncan)
 - Even better than the real thing – rock, pop and all that jazz! ... on the acoustics of bars, honky tonks, etc. (joint with Noise, Music and Signal Processing) (Tony Hoover, Alex Case)
 - Impact and footfall noise (joint with Noise and Structural) (David Braslau, J. Brunskov?)

Paris, joint with EAA, Euronoise and ECUA, (June 30 – July 4, 2008):

- Michael Vorländer is General Chair (EAA).
- Technical organizers in AA are Lily Wang (ASA) and Jens Holger Rindel (EAA)
- Registration fees: 450 Euros (one first-author paper), each additional first-author paper costs 300 Euros more; students 200 Euros; hotel costs are expected to be lower than average ASA meeting..
- Four plenary ‘distinguished’ speakers... suggestions are welcome.
- Abstracts due January 10, 2008
- Much of the paper sorting will be done on-line, prior to TPOM. TPOM is February 15-16, 2008, (Peter Mapp has volunteered)
- Each structured/special session is requested to have (a) at least one-chair from ASA and one from EAA, (b) at least 5 planned/invited papers to be submitted by mid-July.
- All papers will be 20 minutes long (invited or contributed).
- Optional 6-page paper may be written for CD Proceedings.
- Suggested special sessions are as follows:
 - Acoustics of opera houses (Robin Glosemeyer-Petrone, Roberto Pompoli)
 - Archeological acoustics (David Lubman, Jens Holger Rindel)
 - Comparison of US and European standards in building/room acoustics (Kenneth Roy, E. Gerretsen)
 - Coupled volume acoustics (Jason Summers, Judicaël Picaut)

- Acoustics and electroacoustics of small rooms (Jiri Tichy, Mendel Kleiner)
- Low frequency absorption: mechanisms, measurement methods and application (Peter D'Antonio, Christian Nocke)
- New measurement parameters in performing art spaces (Lily Wang, Brian Katz)
- Student design competition (Byron Harrison, Anders Christian Gade)
- New frontiers in room acoustical modeling (Murray Hodgson, Vincent Valeau)
- Airborne sound insulation (Brandon Tinianov, Michel Villot)
- Acoustics of open-plan spaces (Kenneth Roy, V. Hongisto)
- Speech segregation in rooms (Barbara Shinn-Cunningham, Mathieu Lavandier)
- Acoustics and privacy in healthcare facilities I: emerging policy around the world (David Sykes, Kerstin Persson-Waye?)
- Acoustics and privacy in healthcare facilities II: emerging research around the world (William Cavanaugh, Kerstin Persson-Waye?)
- Surround sound acoustics (Tony Hoover, Alex Case, Etienne Corteel?)

Fall/Winter 2008 meeting, *Miami* proposed

- Suggested special sessions:
 - Acoustics of single family residences (Dick Godfrey)
 - Special Session in Honor of Mike Nixon, joint with Noise and Standards (Lou Sutherland, David Lubman)
 - Classroom Acoustics
 - Green Building standards and acoustics (B. Tinianov)
 - Multifamily structures – advances, legal issues? (A. Campanello)
 - What went wrong: facilities you designed... (Jessica Clements)
 - Acoustics of small, multipurpose performance spaces (Michael Yantis, Bill Dohn)
 - Acoustics of retrofitted performance spaces (D. Hougland)
 - Knudsen Lecture – Barry Blesser (Bill Cavanaugh)

Spring 2009 meeting, *Portland* proposed

Fall 2009 meeting, *Washington DC* proposed

10. Technical Initiatives – Reports and Renewals.

Website Maintenance (preapproved) \$300

Travel Funds for Invited Speakers (preapproved) \$1500 is available for speaker travel to the New Orleans meeting. Proposals are being accepted.

Student Paper Awards (preapproved) \$1000

AIA Certification for Continuing Education (Bennett Brooks)– Because the application fees are prorated for the year, the AIA registration fee will only be \$325, not the \$650 budgeted.

Outreach for Classroom Acoustics (\$2000 for 2007)

Development of Booklet on Methods to Improve Acoustics of Multi-Family Housing (Brandon Tinianov, \$1000 for 2007)

11. New Business.

Technical Initiative for Funds to Support Knudsen Lecturer (\$1500 for 2008). Motion was brought forward by Bill Cavanaugh, and passed by the committee.

Technical Initiative for Development of Workshop on Acoustic Design and Sound Reinforcement Systems in Meeting Rooms (\$1000 for 2007) – motion passed for New Orleans.

Technical Initiative for Production of Graphical Designs for Classroom Acoustics Booklet Targeted at Architects (\$1000 for 2007). The majority of the committee did not vote in favor of this motion; more delineation and information was requested.

Technical Initiative to Catalog and Digitize the Riverbank Acoustical Lab Archive Notes (\$1500 for 2007) – Motion was brought forward by Ralph Muehleisen, and passed by the committee.

Technical Initiative for equipment rental, buses, etc. for “Better Than the Real Thing” special session in New Orleans (\$1000 for 2007) – Motion was brought forward by Tony Hoover and Alex Case, and passed by the committee.

Ken Roy mentioned the possibility of a standardized questionnaire for assessment of classroom acoustics. He thought it may be a tool that the Classroom Acoustics committee might develop.

This was the last meeting chaired by Lily Wang. The committee thanked Lily for her three years of service as TCAA chair.

12. Adjourn. Lily Wang moved to adjourn. The meeting adjourned 10:35 PM.