

MINUTES

ACOUSTICAL SOCIETY OF AMERICA
TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS
Providence, Rhode Island, June 6, 2006

Chair: **Lily Wang**
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Secretary: **Brandon Tinianov**
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1. Welcome and Introductions. The chair called the meeting to order at 7:36 PM. Members and guests attending the meeting were asked to sign an attendance list. Special recognition was given to 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 thanked the following for their work on the Providence meeting: (a) General Chair: **James Miller**; (b) Technical Program Chair: **James Lynch**; (c) TPOM Representatives: **Alex Case** and **Damian Doria**; (d) Session Chairs: **Bennett Brooks, Alex Case, Bob Coffeen, Adam Foxwell, Byron Harrison, William Hartmann, Tony Hoover, Ben Markham, David Moyer, Ralph Muehleisen, William Murphy, Christian Nocke, Norm Philipp, Dan Raichel, Brigitte Schulte-Fortkamp, Gary Siebein, Rose Mary Su, Greg Tocci, Ning Xiang** and **Lily Wang**. Also, thanks to all paper presenters.
4. Congratulations. Sincere congratulations to (a) new ASA Fellows: **Alex Case** and **Charles Salter**; (b) ASA Hunt Postdoctoral Research Fellow: **Erica Bowden Ryherd**; and (c) ASA Graduate Minority Fellow: **Bobby Gibbs**.
5. Chair's Report.

An ASA strategic document, Vision 2010 is due to be published later this year. It states goals and objectives for the Society in the future.

Technical Council is also initiating an Interdisciplinary Specialty Group, charged with the task of locating hot trends in general science and inviting key leaders in these areas to contribute to ASA. Please contact **Lily Wang** if you wish to join this group.

The Executive Council is polling each Technical Committee for a list of other relevant professional societies in which they participate. A list from meeting attendees included the following organizations: Amer. Soc. of Test. and Mat'ls (ASTM), Amer. Soc. of Mech. Engineers (ASME), International Stds Org. (ISO), Institute of Noise Control Engr. (INCE), IEEE, Tile Council of America (RCA), Nat'l. Tile Contractors Assoc.

Comments on the existing meeting were solicited. In general, the meeting rooms were found to be quiet. Members suggested an orientation session or meeting for new members.
6. ASA Committee Reports.

Medals and Awards (**Red Wetherill**) – If you wish to nominate TCAA members for medals and awards, please contact **Red Wetherill**.

Membership (**Greg Tocci**) – **Lily Wang** encouraged members to nominate TCAA members for ASA Fellowship.

Standards (**George Winzer**) – **Steven Brown** gave a brief report. Executive Council has stated that standards should support themselves. They report that the condition and sales of standards were healthy last year. The Standards committee is looking for novel ways to deliver standards to TC members in the future.

Student Council (**David T. Bradley**) – **Sunil Patel** gave this report. There are three events planned for the week: a grant writing workshop, a student reception (where **Larry Crum**

will receive the Student Council Mentoring Award), and a student outing. **Brandon Tinianov** reported that a subcommittee selected the next TCAA student council representative from applications received. The new representative for the next two years is **Michelle Vigeant** from the University of Nebraska. Thanks to all of the interested students who applied.

JASA/Express (**Mendel Kleiner** and **Ning Xiang**) – JASA is considering not publishing the annual “References to Contemporary Papers on Acoustics” (RCPA). The cost to ASA is \$30,000 per year and the real value to membership is unknown. A discussion followed and the attending members generally agreed to its elimination, relying on Google Scholar instead. ARLO has become the JASA Express Letters. The goal of the publication is primarily a quick turn-around from submittal to publication. The JASA Editor-In-Chief has asked that we contribute to the impact rating of JASA by authoring manuscripts that reference other JASA articles that are less than 2 years old. **Ning Xiang** reported that Architectural Acoustics published 35 manuscripts in 2005 and 95 in the last 2 ½ years. Our area has a 61% acceptance rate. **Ning Xiang** thanked the many reviewers present at the meeting.

Books+ (**Neil Shaw/Brandon Tinianov**) – **Brandon Tinianov** reported that Books+ is working to publish “Soundproofing Your Home” as a web-based booklet. They are initiating the updating and editing at this time. He also reported that the committee has approved publishing the next case review book “Design of Music Education Facilities”, pending a review of the financial model for the book. Some ideas were put forward on how to improve the marketing of these poster books. Finally, the classic text *Principles of Room Acoustics* by Cremer and Mueller is being published by Peninsula Press.

7. TCAA Subcommittee Reports.

Newman Student Award Fund (**Bill Cavanaugh/Carl Rosenberg**) – **Carl Rosenberg** reported that the Fund is financially sound. There are currently eight Newman Student Medalists year-to-date, but the committee is seeking more. The Providence Student Design Competition winners were announced. First honors was awarded to **Anthony McCreery** and **Arthur van der Harten** of RPI. Five commendation awards, instead of the normal four, were issued as a reflection of the spectacular work that was presented. Congratulations to all. Thanks to **Bob Coffeen**, **Norm Philipp** and **Byron Harrison** for organizing the competition again this year.

Concert Hall Research Group (CHRG) – **Bill Dohn** discussed the CHRG Summer Institute which takes place on August 14-18, 2006 in Aspen. The dates coincide with the Aspen Music Festival. The event themes will include variable acoustics and special designs for noise isolation.

Classroom Acoustics (**David Lubman**) – **David Lubman** reported that the ASA has issued a position paper on the use of sound amplification in classrooms. **Paul Schomer** solicited members to join a proposed working group on sound amplification in meeting and conference rooms. A lively discussion followed. A straw poll proposing a companion standard on sound reinforcement in classrooms was moved. The motion passed by a majority. **David Lubman** also announced the subcommittee’s activity with the Modular Building Institute. Members of ASA addressed the MBI at their national meeting earlier this year. The two groups have committed to work together for solutions to noise in modular classrooms in the future.

Subcommittee on University/Consultant Partnerships for Research (**Paul Calamia**) – Nothing to report. **Paul Calamia** would like to pass chairmanship to another interested member, or solicit new ideas to get the sub-committee moving forward.

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) – Nothing to report.

Joint Sub-Committee on Speech Privacy (Greg Tocci) – The committee has a partner, but separate entity in the form of ANI S12 WG44. The ANSI working group will draft measurement/performance standards regarding speech privacy, while the sub-committee will work outside of the ANSI standards mandate. For example, the sub-committee has been asked to add recommendations to the national Hospital Design Guidelines. This is not included in the ANSI S12 scope of work. There is a sub-committee meeting Wednesday at 5:30 with a celebration banquet to follow.

TCAA Student Paper Award (Brandon Tinianov) – **Brandon Tinianov** reported that six of the seven student applicants have presented. The winners will be notified this summer and announced at the next TCAA meeting.

Subcommittee on Green Building Acoustics (Ralph Muehleisen) – **Ralph Muehleisen** reported that a new rating method is in the works at the US Green Building Council (USGBC). He proposes that we wait for this to be finalized before we introduce acoustical LEED credits to their organization. He will have more to report at the next meeting.

8. 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.

Hawaii, Nov. 28 – Dec. 2, 2006 (Tues. – Sat., joint with Acoustical Society of Japan (ASJ), followed by INCE/Internoise): **David Adams** has volunteered to be TCAA TPOM representative. Special sessions include:

- Acoustic Design for Green Buildings – **Ken Roy, Tetsuya Sakuma** (Tokyo University)
- Acoustics of Large Indoor and Outdoor Performance Spaces – **Daniel Raichel, Toshiki Hanyu** (Nihon University)
- Computer Modeling of Room Acoustics – **Lily Wang, Shin-ichi Sakamoto** (Tokyo University)
- Special Session in Honor of Manfred Schroeder (80th Birthday) – **Ning Xiang, Juergen Schroeter, Akira Omoto** (Kyushu University)
- Psychological Aspects of Sound Environment in Rooms (Joint with PP, SP) – **Hiroshi Sato** (National Institute of Advanced Industrial Science and Technology), **John Bradley**
- Recent Development in Acoustical Materials and Structures – **Kimihiko Sakagami** (Kobe University), **Kirill Horoshenkov, Brandon Tinianov**
- Measurement of Room Acoustics – **Fumiaki Satoh** (Chiba Institute of Tech.), **Boaz Rafaely**

Members interested in chairing potpourri paper sessions at the Hawaii meeting were asked to contact **Lily Wang**. There will also be an NCAC poster session set up in the hotel on Saturday and Sunday.

Salt Lake City, June 4-8, 2007: **Tim Leishman** is Technical Program Chair of this meeting. Plans for this meeting do not have to be finalized until the Hawaii conference in December. Tours that have been suggested include ones of the Latter Day Saints Conference Center, Mormon Tabernacle (**Tim Leishman**), and University of Utah Libby Garner Hall (**David**

Conant). Discussions of several special sessions topics led to the following being favored for the Salt Lake City Meeting, while other topics were moved to future meetings:

- Acoustics of single family residences (**Dick Godfrey**)
- Design of spaces for music therapy and healing (**Elizabeth Cohen**)
- Effects of rooms on the sound of organs (**Tim Leishman**)
- In situ measurements of absorption coefficients (**Peter D'Antonio, Christian Nocke**)
- Invited Knudsen Lecture by Emily Thompson, 2005 MacArthur Fellow (**Lily Wang**)
- Special Session in Honor of Bob Gales, joint with Speech (**David Lubman**)
- Speech privacy
- Troubleshooting in acoustics (**Tim Leishman**)

Future meetings include: *New Orleans*, Fall 2007; and *Paris* (joint with EAA), July 2008.

Suggested special session topics include:

- Acoustics of rehearsal facilities (**Damian Doria**)
- Characterizing sound in rooms through measurements; or Specialized room acoustics measurements (out of the ordinary) (**Tim Leishman**)
- Footfall noise (**David Braslau**)
- Interactions of sound systems in rooms (**Tim Leishman**)
- Impact of acoustics (cross-modality effects) on perception of ensemble, joint with Music and P&P (**Elizabeth Cohen**)
- Low frequency absorption (**Peter D'Antonio**)

9. Technical Initiatives – Reports and Renewals.

Website Maintenance (preappr) \$300 – **Les Blomberg** is still in charge of maintaining the TCAA website.

Travel Funds for Speakers (preappr) \$1500 – There have been two proposals for the Hawaii meeting so far.

Student Paper Awards (preappr) \$1000 – This will be awarded at the Hawaii meeting as well.

Classroom Acoustics II Booklet (**Ralph Muehleisen**, \$1000) – This has been made available online. **Ralph Muehleisen** asked for a printable PDF of the Classrooms I booklet. **Bob Coffeen** has this and will distribute it to the appropriate people. Also, Classrooms I has been translated into Spanish; **David Lubman** has a copy. This should also be available as a PDF and distributed.

Move-In and A/V Support for Special Session on Composed Spaces (**Alex Case**, \$1000) – This was successfully coordinated.

AIA Certification for Continuing Education (\$500) – **Tony Hoover** announced that the ASA PowerPoint presentation designed for use with AIA Continuing Education Credit is complete. He presented 9 of the 50 total slides. A discussion followed.

Outreach for Classroom Acoustics (\$2000) – In 2005, these funds were expended on membership in the Collaborative for High Performance Schools (CHPS) and a mailing sent out by the Noise Pollution Clearinghouse. Ideas for funds use in 2006 were solicited and included advertising to educational facilities groups.

Lesson Plans for Education in Acoustics (**Tyrone Hunter**, \$1000) – **Tyrone Hunter** reported that there is no progress yet, but he expects a positive update at the next meeting.

10. New Business.

Dana Hougland suggested a new technical initiative on developing ideas to improve the status of acoustics in multifamily housing; this was vigorously discussed. **Brandon Tinianov** offered to chair the effort.

Two other technical initiatives were put forward to develop workshops or short courses on (i) acoustic design and sound reinforcement systems in meeting rooms and (ii) worship space acoustics. TCAA members interested in putting these together should contact **Lily Wang**.

11. Adjourn. The meeting adjourned at 10:00 PM