

# ACOUSTICAL SOCIETY OF AMERICA

159th Meeting

Baltimore, MD

TC Noise Meeting Minutes

Tuesday, 20 April 2010, 8:00 p.m.

Grand III/IV

Nancy S. Timmerman, Chair

Cole Duke, Scribe

## 1. Welcome to members, guests, students

- Please mark attendance list and verify your contact information

## 2. Minutes from San Antonio: corrections, approval. Minutes were approved unanimously.

## 3. Reports

### a) Membership Report (Bennett Brooks): New Fellow at this meeting -- Frank Brittain

If you are an associate member, and would like to be a full member, then you need two sponsors. It is a fairly simple process. The sponsors must be full Members or Fellows. See also <http://asa.aip.org/membership/membapp.pdf>.

Look around you and consider other members who should be considered for fellowship in TC Noise, because of their significant contributions to the field of Noise. The application must contain a nominating letter and two supporting letters. Two of the three letters must be from ASA Fellows, but the nominator does not need to be a Fellow. Other information is also at <http://asa.aip.org/directory/fellowship.pdf>.

### b) Medals & Awards (Brigitte Schulte-Fortkamp): Kent L. Gee -- R. Bruce Lindsay Award

Jiri Tichy -- Gold Medal

### c) Young Presenters (Arno Bommer/Eric Reuter/Steven Pettyjohn/Ralph Muehleisen): 22 applicants at this meeting (NC & NS sessions)

*In San Antonio, there were two winners: Kenneth A Marek for "Numerical model for a hydraulic inline silencer" and Ashley Woodall for "Improvement of vowel formant discrimination: Effects of global and local enhancement".*

### d) Student Council (Cole Duke): Welcome students, "take a student to lunch"(S. Roth), events

twitter feed: @asastudents

Fellowship workshop: Next workshop in San Diego (Fall 2011)

Student council will host a special session in Seattle (May 2011): "Introduction to Technical

Committee Research and Activities: Especially for Students and First-time Meeting Attendees"

The new student council representative will be Alan Wall, who was presented to the attendees.

### e) This meeting: Meeting Chair: Mardi C. Hastings

Technical Program Chair: Juan I. Arvelo

TPOM representative: Nancy S. Timmerman

Session Chairs and Organizers: (Robert D. Hellweg, Kenneth H. Kaliski, Jared M. Haynes, Kai Ming Li, Siu-Kit Lau, Alexander U. Case, Kent L. Gee, R. Jeremy Kenny, Bennett Brooks, Brigitte Schulte-Fortkamp, Lixi Huang, Kirill V. Horoshenkov, Jian Kang, Ann E. Bowles, Erica Ryherd, Kenneth R. Roy, Mandy Kachur, Nancy S. Timmerman, Richard L. McKinley, Klaus Genuit, and Detlef Krahe)

about 130 noise papers in 16 sessions, joint with Noise-Con

Other events at Baltimore: 1) Public Outreach workshop on Community Noise (Larry Finegold) -

-Monday, and 2) Urban Design with noise in Mind Symposium (Kerrie Standlee) --

innovation funding (Friday): Comments

Meeting Notes:

The staff was very accommodating.

The food was really good.

Some rooms were very inadequate (size-wise).

There were too many concurrent sessions where people wanted to attend multiple talks at the same time.

f) Women in Acoustics

Women in acoustics sponsors a travel award for recent PhD graduates (Erica Ryherd).

There is a child-care grant available for people bringing children to the meeting (Erica Ryherd).

g) Regional Committees (Erica Ryherd)

There are certain regional chapters that are transitioning into student chapters to revitalize their activity. There is a new website for student chapters that can be linked to from the main ASA website.

**4. Public Relations** (Andy Piacsek)

1. Raise awareness of need for effectively communicating scientific ideas to the public.

2. Poll members on form of media training. A lot of people were in favor (~30%).

**5. Publications and Standards**

a) JASA Associate Editors for Noise (B. S. Cazzolato, Ken Cunefare, Vladimir Ostashev, Brigitte Schulte-Fortkamp, K. V. Horoshenkov)

Typical editors are handling about 4-6 papers per year (Ken Cunefare reported).

b) JASA Express Letters Associate Editor for Noise (Mike Stinson)

Turnaround average is 45 days for most first decisions, about twice as fast as JASA. They are only receiving 3-5 manuscripts per year.

c) POMA (Kent Gee)

3-5 papers per meeting. These papers can be as simple as converting your powerpoint slides to figures and adding a paragraph of explanation with each figure. Submissions must be submitted in a PDF.

d) PACS are being redone: Ralph Muehleisen and Patricia Davies will work with Allan Pierce on this task.

It will be using a keyword system from now on, instead of PACS numbers.

e) Standards (Paul Schomer)

Completed part 2 of classrooms on modular classrooms.

Part 3 is underway on computer/IT equipment in classrooms

Part 4 on AV equipment that goes in classrooms

Bill Murphy reported that ANSI S12.42-2000 has been published describing methods for continuous and impulsive noise measurements for Microphone in Real ear and Acoustic test fixtures. These methods are used to characterize active noise reduction and level dependent hearing protection devices. f) ASACOS (Rich Peppin): *Reminder each ASA member can get 5 free standards a year.*

**6. Future Meetings**

a) Fall, Cancun, Mexico, 15-19 Nov 2010, Joint ASA/IMA/FIA, Fiesta Americana

1. Soundscape in Progress: Application in Communities (Bennett Brooks, Brigitte Schulte-Fortkamp)--Joint with AA

2. Sonic crystals (perhaps joint with noise from PA)

3. High Performance hearing protection (Richard McKinley)--Joint with ASACOS

4. International Classroom acoustics (David Lubman)--Joint with AA and ASACOS has been cancelled.

5. Archeological Acoustics (David Lubman)--Joint with AA, MU and ED

6. Metrics for environmental noise assessment and control: alternatives to A-weighting (Paul Schomer, Andre Fiebig)--Joint with ASACOS

7. Sound Attenuation through Ceiling Plenums (Ken Roy and Sergio Beristain)--Joint with AA

8. Mechanical Engineering and Acoustics (Scott Pfeiffer)--Joint with AA
  9. Phased Array Microphones for Source Identification (Samir Gerges) (Joint with EA)
  10. Signal Processing for Multi-Channel Systems (Ning) (Joint with SP)
  11. Low Cost materials for Noise Control (Joint with EA)
  12. Environmental Noise in Cities (Sergio Beristain, Martha Georgine Orolco) --ASM
  13. Culture and Noise (Sergio Beristain, Fernando Elizondo, Garza) --ASM
  14. Noise in Latin America and other developing countries (Sergio Beristain & Jorge Arenids) --ASM
- TPOM (25-26 June 2010): Angelo Campanella

b) Spring, 23-27 May, 2011, Seattle, WA, Sheraton

1. Plumbing Noise (David Adams)--Joint with AA
2. Analysis and Control of IT Noise (Scott Sommerfeldt and Kent Gee) CONFIRMED
3. Second Life Structures: Issues in the Repurposing of Buildings (Norman Philipp)--joint with AA
4. Public outreach workshop on Community Noise" (Larry S. Finegold)
5. Occupational Noise Exposure: Assessment to Intervention (Wm. Murphy & Chas. Hayden)--joint with ASACOS
6. Acoustical Modeling for Complex Environments (Eddie (Siu-Kit) Lau)
7. Wind Turbine Noise (Eddie Duncan and Ken Kaliski)
8. Aircraft Flyover Noise Measurement and Source Modeling (Richard L. McKinley)
9. Community Noise Impact, Criteria, and mitigation from Outdoor Concert Venues (Steve Pettyjohn & Joel Lewitz)--joint with TC/AA

TPOM (Feb 2011): Jerry G. Lilly

c) Fall, 31 Oct to 4 Nov 2011, San Diego, CA, Town & Country

1. The impact of new EPA regulation on hearing protection (Wm. Murphy)
2. Launch vehicle noise (Kent Gee)
3. Hospital paging, announcements, and alarms (TBD)
4. Noise impacts in quiet residential communities (Richard Horonjeff)

d) Spring, 2012 (14 -18 May) Hong Kong (Joint with WESPAC)

Sessions need to have International co-chairs

e) Fall, 2012, Midwest?

f) Spring, Montreal, Canada, June 2013, Joint meeting with ASA/ICA/CAA

**7. Technical Council** (Nancy Timmerman)

- a) Procedures for selecting TC members
- b) Workshops on Research Directions -- follow-up from last meeting

**8. Webpage**

- a) The link from the TC/Noise website to the standards page exists (ASACOS)
- b) ASA is moving to merge acoustics.org and acosoc.org and to have templates in the future

**9. Technical initiatives**

- a) Cancun travel support, award, webpage (these are standard)
- b) Seattle travel support, award, webpage (these are standard)
- c) Other

David Lubman proposed that the committee contribute travel funds for the archeological Acoustics session in Cancun, and that it be joint with Musical Acoustics. Note: This will be handled under the standard travel support funds.

Public outreach funding in the amount of \$2,500 to be used for travel expenses and materials. The motion was voted and approved. (Larry Finegold proposed.)

Thanks to the committee for the support for the educational booklets (Louis Sutherland)

**10. New Business:** Congratulations to Brigitte Schulte-Fortkamp, new Vice President-Elect. The committee is sorry that the volcano kept her from being here.

Angelo volunteered to represent Noise on the Medals and Awards committee. Brigitte is not permitted to continue in this position, with her promotion.

**Adjourn** (about 9:10 pm).

**Attendees:** Michael Asheim, Chris Barnobi, Sergio Beristain, Anthony Brammer, David Braslau, Bennett Brooks, Steven Brown, Jim Cummins, Kenneth Cunefare, Jie Duan, Cole Duke, Eddie Duncan, John Erdreich, Larry Finegold, Hilary Gallagher, Kent Gee, Samir Gerges, Kenneth Good, Marlund Hale, Kay Hatlestad, Dick Hingson, Tony Hoover, Dick Horonjeff, Lixi Huang, Ana Jaramillo, Joseph Keefe, Siu-Kit Lau, Joel Lewitz, Mingfeng Li, Jerry Lilly, Stephen Lind, David Lubman, George Luz, Garret Maki, George Maling, Kenneth Marek, Benjamin Markham, Richard McKinley, David Moyer, Ralph Muehleisen, William Murphy, Jessica Newton, Sebastian Otero, Karl Peterman, Norman Philipp, M.G. Prasad, Robert Putnam, B. Rajavel, Jonathan Rathsam, Eric Reuter, Richard Riedel, Christopher Rooke, Stephen Roth, Kenneth Roy, Richard Ruhala, Erica Ryherd, Henry Scarton, Charles Schmid, Bonnie Schnitta, Paul Schomer, Kevin Shepherd, Robert Showen, Scott Sommerfeldt, Kerrie Standlee, Noral Stewart, Michale Stinson, Louis Sutherland, Jiri Tichy, Nancy Timmerman, Michelle Vigeant, Lily Wang, Douglas Winker, Ning Xiang, Xiang Yan