

ACOUSTICAL SOCIETY OF AMERICA

158th Meeting

San Antonio, Texas

TC Noise Meeting Minutes

Thu, 29 October 2009, 7:30 p.m.

Regency East 1

Nancy Timmerman, Chair

Cole Duke, Scribe (Student Council Rep)

1. Welcome to members, guests, students (Meeting started at about 7:35 pm).

• Please mark attendance list and verify your contact information -- 40 attendees (see below).

2. Minutes from Portland: corrections, approval-- unanimous

3. Reports

a) Membership Report (Bennett Brooks): New Fellow at this meeting -- Ralph T. Muehleisen

b) Medals & Awards (Brigitte Schulte-Fortkamp): Mike Stinson -- Silver Medal in Noise

c) Young Presenters (Arno Bommer): 3 applicants at this meeting

In Portland, the award went to Norman Philipp for his presentation of his paper:

"Comparison of Apparent Field Sound Transmission Class (AFSTC) and Outdoor Indoor Transmission Class (OITC) as applied to modular classroom design and field analysis."

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".

James Esplin of Brigham Young University was the winner of the Fellows Lunch raffle.

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

Diversity Student competition on ASA website: music & video (AMV)--\$600/400/200 for Baltimore, due 2/5/10

Please sign up for "take a student to lunch" program--sheet going around from Kent G.

e) This meeting:

Meeting Chair: Clark S. Penrod

Technical Program Chair: Nicholas P. Choitiros

TPOM representative: Pamela J. Harght

Session Chairs and Organizers: (Erica E. Ryherd, Kelly A. Aston, Pamela J. Harght,

Segio Beristain, Alexander U. Case, Gary W. Siebein, Bennett Brooks,

Brigitte Schulte-Fortkamp)

33 noise papers in 4 sessions

Comments? AV, Speaker separation, Climate control, Singing in the kitchen.

4) Noise Scope

(Committee of Brigitte Schulte-Fortkamp, Bennett Brooks, Mike Stinson, Larry Finegold, Nancy Timmerman):

Original

NOISE (D)

To increase and diffuse knowledge of noise generation and propagation, passive and active noise control, and the effects of noise. Activities of the Committee embrace the practical and theoretical aspects of noise, in its broadest definition, in all areas of acoustics. Specific interests include the following and similar topics: sound sources, sound mechanisms, propagation, perception, prediction, measurement, evaluation, analysis, effects, regulation, mitigation, and legal aspects of noise.

Proposed

NOISE (D)

To increase and diffuse knowledge of noise generation and propagation, passive and active noise control, perception and the effects of noise, and the management of exposure to noise. Activities of the Committee embrace the practical and theoretical aspects of noise in all areas of acoustics. Specific topics of interest include:

- Measurement, prediction, and modeling of noise and vibration
- Soundscapes, urban and natural
- Product sound quality
- Classroom acoustics
- Quiet system design
- Occupational and recreational exposure to noise
- Speech privacy
- Legal aspects of noise
- Codes and standards.

Passed with 4 abstentions

5. Publications and Standards

- a) JASA Associate Editors for Noise (B. S. Cazzolato, Ken Cunefare, Vladimir Ostashev, Brigitte Schulte-Fortkamp)
- b) JASA Express Letters Associate Editor for Noise (Mike Stinson, D. Keith Wilson) -- Submit
- c) POMA (Kent Gee) -- Submit
- d) Fall issue of Acoustics Today is on Noise (see Portland minutes)
- e) Standards (Paul Schomer)
- f) ASACOS (Rich Peppin):
 - 9 people present/5 on conference call
 - Classroom Acoustics, S12.60-2002, reaffirmed 2009
 - Part 2: "Mobile Classrooms", approved
 - Part 3: portable equipment brought into classrooms, proceeding Working Group 52 (new) on S12.60 on issues needed to get it into ICC (bldg code)
 - ASACOS getting financial aid for work on Classroom Acoustics

- Nominating committee report on ASACOS members approved
- Survey on member needs (by Bob Hellweg, Ali Herfat)
- No S or standards meetings at foreign venues (Cancun, Montreal, etc.)
- AB presentations on Thursday on quiet environments and the effects of noise on animals
- Noise cancelling microphone standards (WG15) are being reopened
- Vice Chair, Hellweg recommended each TC Chair to include ASACOS as a cosponsor of a session if the subject is linked somehow to standards.
- No reports from US TAGs on international work. The ISO/IEC TCs are meeting in Seoul. Hellweg noted that we comment and vote upon international standards, all as volunteers.
- There was a proposal to reorganize ISO TC108 (vibration and shock). No progress has been made yet.
- Financial issues- Standards have cut costs to help reduce cost to ASA. Fees have remained the same. Budget should be reasonable this year. This year: lost 15 members but added 6 new members.
- 2010 fee schedule will stay the same.
- Reminder each ASA member can get 5 free standards a year. Code was sent to you upon membership renewal. If you forgot code go to ASA web and contact "citation help."
- Next meeting in April
 - o ASACOS Tuesday morning
 - o ASACOS steering Wednesday night
 - o S-committee will all be on Thursday
 - o All Noise sessions, most joint with INCE, will be Mon-Wed.

6. Future Meetings

a) Spring, Baltimore, MD, 19-23 April 2010, Baltimore Marriott Waterfront Hotel, joint with Noise-Con 2010

This meeting is joint with INCE's NoiseCon, so abstract submitters can submit proceedings papers along with their abstracts. INCE's deadline for abstracts is 1 November. ASA's abstract deadline is 16 November 2009. Proceedings papers are due 1 December 2009.

Planned (Noise-led) sessions are:

- 1) Standards in psychoacoustics (Klaus Genuit)
- 2) Noise on humans and non-human animals (Ann Bowles, Brigitte Schulte-Fortkamp) -- joint with AB
- 3) Healthcare acoustics/noise and occupant perception and performance (Kenneth P. Roy, Erica E. Ryherd) -- joint with AA
- 4) Low frequency noise (Natalia V. Sizov, Detlef Krahe)
- 5) Military Noise environments - continuous and impulsive (Richard L. McKinley) -- joint with PA
- 6) Acoustics and public policy (Nancy Timmerman)
- 7) Noise and its control in complex and urban environments (Siu-Kit Lau, Kai Ming Li)
- 8) Ventilation, fan, and duct noise control (Lixi Huang, Kirill Horoshenkov, and Jian Kang)
- 9) Wind turbine noise (Robert D. Hellweg, Jr., Kenneth H. Kaliski)
- 10) Rocket noise environments (Kent L. Gee, Jeremy Kenny).
- 11) Soundscape concert (Alexander U. Case, Brigitte Schulte-Fortkamp) -- joint with AA

Other events at Baltimore:

- 1) Public Outreach workshop on Community Noise (Larry Finegold)
- 2) Urban Design with noise in Mind Symposium (Kerrie Standlee) -- innovation funding

TPOM (11-12 Dec 2009) reps: Brigitte Schulte-Fortkamp and Nancy Timmerman

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

1. Soundscape in Progress: Application in Communities (Bennett Brooks, Brigitte Schulte-Fortkamp)--Joint with Architectural
2. Sonic crystals (perhaps joint with noise from Physical Acoustics)
3. High Performance hearing protection (Richard McKinley)--Joint with ASACOS
4. International Classroom acoustics (David Lubman)--Joint with Architectural and ASACOS
5. Archeological Acoustics (David Lubman)--Joint with Architectural, Musical and Educational
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 Architectural
8. Mechanical Engineering and Acoustics (Scott Pfeiffer)--Joint with Architectural
9. Phased Array Microphones for Source Identification (Samir Gerges) (Joint with Engineering Acoustics)
10. Signal Processing for Multi-Channel Systems (Ning) (Joint with Signal Processing)
11. Low Cost materials for Noise Control (Joint with Engineering)
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 (June, 2010): Angelo Campanella

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

Ideas for sessions, special events, possible Banquet

1. Plumbing Noise (David Adams)--Joint with Architectural
2. Analysis and Control of IT Noise (Scott Sommerfeldt and Kent Gee)

d) Fall, 2011, Open

e) Spring, 2012 (13-18 May) Hong Kong proposed (Joint with WESPAC)

"Should ASA enter into a joint meeting with WESPAC (AIC and HIA) for Spring, 2012?"

22 Yes

2 No

7 Abstentions

Vote who would attend:

17 will

1 won't

20 not sure

Kent Gee suggests an effort for more financial support for student travel to Hong Kong

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

7. Technical Council (Nancy Timmerman)

- a) PACs being redone. Allan Pierce (Editor) wants a volunteer and/or subcommittee to meet in Baltimore: Ralph Muehleisen and Patricia Davies volunteered.
- b) Research Directions in Noise -- "unsolved problems" -- suggestions about workshops and sessions to discuss this.
- c) Photography is not allowed at sessions unless pre-approved by the Vice President (ASA)
- d) Discoveries and breakthroughs in Science (DBIS) on ASA website -- film clips
- e) Congressional Science and Engineering Fellow--\$65,000/yr + travel--Due 15 January (Posters)
- f) ASA will be hiring and Education Outreach Coordinator with OSA for educators and young people
- g) Should ASA have a Facebook page?
It could serve as a good place for ASA members (and non-members) to network and pass along information, but if it is not going to be an official page, we should not use the ASA logo, or other official properties of ASA.
- h) JASA will consider having "Special Issues"
- i) ASA has posted the annual reports on its website (being revised) --also below

8. Webpage

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

9. Technical initiatives

- a.) Baltimore travel support, award, webpage (these are standard)
- b.) Cancun travel support, award, webpage (these are standard)
- c.) Classroom acoustics booklet -- status (David Lubman)
The second draft is completed, and it is now out for review.
- d.) Stephen Lind plans to propose an TI on additional classroom acoustics resources for schools (in the future).

10. New Business

Outreach will be with Girl Scouts in Baltimore, presented by Women in Acoustics
Women in Acoustics awards two awards at every conference: Child Care Award, and Young Investigator Travel award.

It was announced that the EPA Notice of Rulemaking on Hearing Protective Devices would accept comments until 4 November 2009.

It was also announced that Dr. Robert Collier, a member of the committee, has died.

David Lubman commented that an inexpensive sound level meter was on the market which would do reverberation time.

Adjourn (about 8:40 pm).

List of attendees: Kelly Aston, Sergio Beristain, Stuart Bolton, Angelo Campanella, Gilles Daigle, Patricia Davies, Cole Duke, Fernando Elizondo, James Esplin, Kent Gee, Samir Gerges, Kenneth Good, Hans Hansen, Pamela Harght, Bill Hartmann, Siu-Kit Lau, Stephen Lind, David Lubman, Benjamin Markham, Luc Mongeau, Ralph Muehleisen, Esa Nousiainen, Henrik Olsen, Stephen Pettyjohn, Norman Philipp, Eric Reuter, Christopher Rooke, Kenneth Roy, Erica Ryherd, Charles Schmid, Paul Schomer, Scott Sommerfeldt, Michael Stinson, Michelle Swearingen, Jiri Tichy, Nancy Timmerman, Alicia Wagner, Michael White, Douglas Winker, Ning Xiang