

Committee on Education in Acoustics (EdCom)

[Meeting Agenda]

5:15 pm Wednesday 25 May, 2016

Salon H, Salt Lake Marriott Downtown at City Creek Hotel, Salt Lake City, UT

I. Welcome + Introductions

- A. Sign-In Sheet
- B. First-Time Attendees and New (and Potential) Member Introductions
- C. Review/Approve previous meeting minutes

II. Old Business

A. Education and Outreach Coordinator (EOC)– David T. Bradley

1. Executive Council (EC) approved the full-time position and job description at the Jacksonville Meeting!!
2. The job was posted in January 2016 and applications were received for two months – over 60 applicants
3. A selection committee was formed: Susan Fox, Freddie Bell-Berti, David T. Bradley, Traci Neilsen, and Vic Sparrow
4. Phone interviews of the top six candidates are complete
5. In-person interviews of the top two candidates will take place in Melville, NY on 9 June 2016, with a decision by the search committee to follow shortly

B. New EdCom Website <asaedcom.org> – David T. Bradley

1. EC approved \$1500 to hire a student to assist with the development of a new EdCom website
2. Student Website Developer/Designer: Ellie Vamos (Vassar College)
3. Website is up and running! We need things from YOU:
 - a. Content review and suggestions (e-mail education@acousticalsociety.org)
 - b. High resolution photos (e-mail education@acousticalsociety.org)
 - c. URLs for professional websites (we will be in contact)

C. Exploring Sound Website <exploresound.org> – David T. Bradley

1. Website has been ported over with new design and is up and running, but it needs a lot of work
2. We need VOLUNTEERS to be on a subcommittee to work with the new EOC to develop this site

D. Intel International Science and Engineering Fair (ISEF) – David T. Bradley

1. Judges: Inder Makin, Bruce Towe, Julie Liss, and Paul Sakion

E. USA Science & Engineering Festival – David T. Bradley

1. Exposition Booth Coordinator: Kyoko Nagao (+20 volunteers)

F. Booths Initiative – David T. Bradley

1. EC approved \$2,500 for one EdCom rep (Bradley) and one student to attend the 2016 Quadrennial Physics Congress Booth (San Francisco, CA 3-5 November 2016)
2. The plan is to have an EdCom rep and the EOC host a booth for at least one conference a year. Ideas for conferences and VOLUNTEERS as reps should contact EdCom chair (Bradley)

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3. We need help planning logistics for this initiative. Can we form a new subcommittee for this? We will need VOLUNTEERS.
 - a. Pamphlet and other marketing materials to give away
 - b. Other give-away items (e.g. pens, ear plugs, etc.)
 - c. Can this can tie into the Task Force 1 strategic branding initiative (the subcommittee should have cross-representation from EdCom and the Task Force)?

G. Hands-On / Listen-Up - Model of the Middle Ear – David T. Bradley

1. EC approved \$2000 for a University of Texas at Dallas group to develop a version of their educational electro-mechanical model of the middle ear to be used at the SLC and future Listen Up and Get Involved! and Hands-On sessions
 - a. John Hansen (Advisor), Juliana Saba, Son Ta, and Tuan Nguyen

III. Subcommittee Updates

A. Acoustics Education (Rossing) Prize Selection Subcommittee – David T. Bradley

1. Subcommittee Members: David T. Bradley (chair), Lauren Ronsse, Scott Sommerfeldt, Karim Sabra, and Robert Fox
2. Five nominations received (including nominations received within the past 5 years)
3. Recipient: Professor Brad Story of Boston University (to present in Honolulu, HI)

B. Teacher Activity Kits Subcommittee Update – Andrew Morrison

1. [see minutes for full report]
2. Changed from an Ad-Hoc Committee of the ASA to a sub-committee of EdCom at the Jacksonville meeting
3. Subcommittee Members: Andrew Morrison (chair), David T. Bradley, Michelle Vigeant, Andy Piacsek, Whitney Coyle, and Daniel Ludwigsen
4. EC approved \$20,000 for kits and \$300 for assessment survey (via Ad-Hoc Committee)
 - a. Assessment underway - extremely positive responses thus far
5. 9 kits sent out in the past six months (449 kits total)
 - a. Subcommittee will focus on marketing the availability of the kit to teachers before the start of the Fall semester

C. SMMfL (Students Meet Members for Lunch) Subcommittee Update – Ela Warnecke

1. [see minutes for full report]
2. Subcommittee Members: David T. Blackstock (chair), Ela Warnecke, Caleb Sieck, and Martin Lawless
3. Statistics
 - a. Total Number of Lunch Matches: 54
 - b. AA(9), AB(2), AO(0), BA(4), EA(0), MU(3), NS(6), PA(5), PP(7), SA(2), SC(7), SP(5), UW(4)

D. Undergraduate Research Exposition Subcommittee Update – Preston Wilson

1. [see minutes for full report]
2. Subcommittee Members: Preston Wilson (chair), ADDITIONAL MEMBER(S) NEEDED

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3. Statistics
 - a. 5 entries for Jacksonville
 - b. Awards: Joy Westland, Lúcia C. da Silva, Chitanya Gopu, Bernardo H. Murta, and Atousa Nourmahnad (\$400 each)
4. No Expo in Honolulu. Next expo planned for New Orleans.
- E. Graduate Program Database Subcommittee – David T. Bradley
 1. Subcommittee Members: Matthew Kamrath (chair), ADDITIONAL MEMBER(S) NEEDED
 2. Work on this will begin in earnest once the Education and Outreach Coordinator is hired
- F. Resume Help Desk Subcommittee Update – David Dowling
 1. Subcommittee Members: David Dowling (chair), ADDITIONAL MEMBER(S) NEEDED
 - a. Subcommittee will focus on recruiting resume reviewers
 2. EC approved \$600 for Help Desk Volunteer lunches at SLC
 3. SLC Help Desk Volunteers: Peter Dahl, Jennifer Miksis-Olds, Bill Siegmann, Keith Wilson, Kevin Haworth, and Karim Sabra
 4. Funding Request: \$600

IV. New Business

- A. Education Committee of the Association of Loudspeaker Manufacturers & Acoustics International (ALMA) – Steve Garrett
- B. Task Force 1: Awareness of Acoustics – Andy Piacsek
 1. [see minutes for full report]
 2. Task Force Members: Michael Stinson (chair) + many others!
 3. Primary Objectives:
 - a. Expand the promotion of ASA activities and resources through emerging media and online content
 - b. Increase awareness and dissemination of ASA Standards
 - c. Improve the image of the ASA through a strategic branding initiative
 - d. Advance cyber presence via ASA portal, web, and social media development
 4. Recent Actions:
 - a. Explore Sound Logo Design contest - generated 53 creative designs. A panel of 10 judges selected the top five finalists. Surveyed ASA members to vote on top choice.
 - b. Investigate possibility of coordinated outreach activities with National Park Services (400 million visitors/year) to promote acoustics (on hold)
 - c. Investigate possible role for ASA in administering MOOCs (massive open online courses) for acoustics education (in progress)
- C. Acoustics Recruitment Video – Andy Piacsek
 1. ASA Public Relations committee and AIP Media Services produced a short video aimed at getting young (college/high-school age) people interested in acoustics as a career. We will view the video and provide feedback.

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- D. Scientific Presentation Workshop – David T. Bradley
 1. Any interest in doing this at Boston?
 2. VOLUNTEERS to help develop and implement such a workshop?
- E. EdCom Bulletin Board – David T. Bradley
 1. VOLUNTEERS to help create and setup a new bulletin board for EdCom and its initiatives (similar to Student Council bulletin board), to be featured at the semi-annual meetings of the ASA?

V. Meetings

- A. Current Meeting (Salt Lake City)
 1. Thank you to the TPOs: Andy Piacsek + Eoin King!
 2. Thank you to the Session Chairs!
 3. Special Sessions
 - a. 1aEDa Hands-On Acoustics Demonstrations for Middle- and High-School Students
 - i. Monday, Salon D, 9:00 a.m. to 12:00 noon
 - ii. Chair: Kent L. Gee
 - b. 1aEDb Strategies for Effectively Communicating Science to Policy Makers, the Media, and the Public
 - i. Monday, Salon A, 10:00 a.m. to 12:00 noon
 - ii. Co-Chairs: Andrew A. Piacsek and Kerri Seger
 - iii. **Funding Request: \$1,500 for speaker travel – Rachel Karr**
 - c. 1pED Listen Up and Get Involved
 - i. Monday, Salon D, 5:30 p.m. to 8:00 p.m
 - ii. Chair: Tracianne B. Neilsen
 - d. 2aED Education in Acoustics General Topics
 - i. Tuesday, Salon I, 10:25 a.m. to 11:55 a.m
 - ii. Co-Chairs: Jon P. Johnson and Ryan Nielson
 - e. 3aED Education in Acoustics: Student Posters
 - i. Wednesday, Salon G, 8:00 a.m. to 10:00 a.m.
 - ii. Chair: Murray S. Korman
 4. Comments on the current meeting?
- B. Honolulu, HI 28 November–2 December, 2016 (joint with ASJ - sessions already finalized)
 1. TPOs: Andy Piacsek + Eoin King
 2. Special Sessions
 - a. Acoustics Education Prize Lecture
 - i. Invited presentation by the winner of the Rossing Prize for Education in Acoustics
 - ii. Chair: Rosemary Lester ???
 - b. Attractive Educational Methods and Tools in Acoustics
 - i. Attractive methods, tools, and materials for education in acoustics
 - ii. Co-Chairs: Tracianne Neilsen and Kazuhiko Kawahara

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- c. Computer Programming for Education in Acoustics
 - i. Education in computer programming using sounds and computer programming for education in acoustics
 - ii. Co-Chairs: Victor Sparrow and Hiroshi Suda
- d. Demonstrations and Tools in Acoustics Education
 - i. Session is open for all demonstrations of educational materials or tools; if serving as a supplement to a paper in another Education in Acoustics session, no additional abstract required.
 - ii. Co-Chairs: Tracianne Neilsen and Akira Nishimura
- e. Education in Acoustics for Kids (K-12 students)
 - i. Case studies and workshops on education in acoustics for kids (K-12 students) from classrooms, but also from science museums or other extracurricular work.
 - ii. Co-Chairs: Andrew Morrison and Sakae Yokoyama
- C. Boston, Massachusetts 25-29 June 2017 (joint with EAA – MUST FINALIZE sessions this week)
 - 1. TPOs: Eoin King + ??? (NEED A VOLUNTEER)
 - 2. Special Sessions
 - a. Listen Up and Get Involved
 - i. Chair(s): Education + Outreach Coordinator + ???
 - b. Hands-On Acoustics Demonstrations for Middle-School Students
 - i. Chair(s): Education + Outreach Coordinator + ???
 - c. Take 5s ??? (typically done during Spring meeting)
 - i. Chair(s): ???
 - d. Teaching Tips for the New (or not so New) Acoustics Faculty Member
 - i. Tips for new faculty members who will be teaching courses in acoustics or vibration at undergraduate (introductory or advanced) or graduate levels for the first time. Suggested topics include: course organization, choosing a textbook, pedagogical methods, and strategies for homework and exams.
 - ii. Chair(s): Andrew A. Piacsek and Daniel A. Russell
 - e. Collaborative and Interdisciplinary Acoustics Courses
 - i. Acoustics is an inherently interdisciplinary field. This session will present undergraduate- and graduate-level courses that exemplify this interdisciplinarity. Potential topics could include cross-institutional courses, cross-departmental courses, team-taught courses, and STEAM (Science, Technology, Engineering, ARTS, and Mathematics) courses.
 - ii. Chair(s): David T. Bradley and ???
 - f. Graduate Program Poster Session (co-sponsored with Student Council)
 - i. A wide range of Graduate Programs in Acoustics will be presented in poster format including what each university has to offer a prospective student.
 - ii. Chair(s): Chris Jasinski
 - g. Other ???

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- i. Chair(s): ???
- D. New Orleans, LA, 4-8 December 2017 (initial session ideas due this week)
 - 1. TPOs: Eoin King + ??? (NEED A VOLUNTEER)
 - a. Listen Up and Get Involved
 - i. Chair(s): Education + Outreach Coordinator + ???
 - b. Hands-On Acoustics Demonstrations for Middle-School Students
 - i. Chair(s): Education + Outreach Coordinator + ???
 - c. Acoustics Education Prize Lecture
 - i. Chair: TBD
 - d. Undergraduate Research Exposition (typically done during Fall meeting)
 - i. Chair(s): Preston Wilson + ???
 - e. Other ???
 - i. Chair(s): ???
- E. 175th Meeting, Minneapolis, Minnesota, 7-11 May 2018
- F. 176th Meeting, Victoria, Canada, 5-9 November 2018
- G. 177th Meeting, Louisville, Kentucky, 13-17 May 2019
- H. 178th Meeting, TBD
- I. 179th Meeting, Chicago, Illinois, Spring 2020
- J. 180th Meeting, Cancun, Mexico, Fall 2020

VI. Other New Business

- A. ?

VII. Summary + Talking Points

- A. VOLUNTEER OPPORTUNITIES:
 - 1. Review and contribute to new <asaedcom.org> site (Everyone!)
 - 2. Exploring Sound Website Subcommittee (~4)
 - 3. Booths Initiative Subcommittee (~2)
 - 4. Undergraduate Research Exposition Subcommittee (~1)
 - 5. Graduate Program Database Subcommittee (~1)
 - 6. Resume Help Desk Subcommittee (~1)
 - 7. Scientific Presentation Workshop (~2)
 - 8. EdCom Bulletin Board (~2)
 - 9. TPO for 2 years (Boston, New Orleans, Minneapolis, and Victoria)
- B. New Education and Outreach Coordinator to be hired soon (June 2016)!
- C. See Meeting Program, Call for Papers, and NEW EdCom Website <asaedcom.org> for regularly occurring EdCom initiatives

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1. Listen Up and Get Involved
 2. Hands-On Acoustics Demonstrations for Middle-School Students
 3. Undergraduate Research Exposition (no Expo in HI)
 4. Rossing Prize in Acoustics Education
 5. Acoustics Graduate Program Database
 - D. SMMfL (Students Meet Members for Lunch)
 1. We will need a larger pool of volunteers to host student lunches
 - E. Resume Help Desk
 1. We will need more volunteers to work the Help Desk
 - F. Stronger connection to all TCs
 1. Thank you to the TC reps for EdCom! We are actively seeking new EdCom members from all TCs.
Please pass the word!
- VIII. Adjourn