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)
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
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)

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
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: 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