



Education in Acoustics Committee

AGENDA – ED Com Meeting – ASA #181 Seattle

(Tuesday, November 16, 2021 – 7:30-9:00pm EST)

This will be a virtual online meeting via Zoom: <https://psu.zoom.us/j/9123456789>

Meeting will be run by ED chair, Dan Russell (dar119@psu.edu)

Attendance: (will be gathered from Zoom registration and Zoom recording/snapshot.)

Approval of Minutes from June 2021 ASA 180, *Acoustics-in-Focus* meeting

Motion to approve minutes as posted –

Seconded –

ASA #181 Seattle, WA (Nov. 29–Dec. 3, 2021)

ED Special Sessions

- **Monday, Nov. 29**
 - ▶ **1aED** – 9:00am-11:50am – **Returning to Teaching Acoustics In-Person in the Post-COVID Era**
 - ▶ 7 papers and a Panel Discussion
 - ▶ **1pED** – 1:00pm-1:00pm – **General Topics in Education in Acoustics**
 - ▶ 4 papers
- **Thursday, Dec, 2**
 - ▶ **4pED** – 1:30pm-4:30pm – **Preview of the Next JASA Special Issue on Education in Acoustics**
 - ▶ 8 papers (?)

Note: The Wednesday Evening Demonstration Session “**Sounds to Astound**” by the BYU Acoustics group had to be cancelled (despite widespread advertising and a blitz of contacting local area groups . . . zero responses)

- **Thursday, Dec, 2**
 - ▶ **4pPA** – 8:00am-12:00pm – **Session in Honor of David T. Blackstock I**
 - ▶ **4pPA** – 1:30pm-5:30pm – **Session in Honor of David T. Blackstock II**

SMMfL (Students Meet Members for Lunch)

Update from Martin Lawless (in Paris) . . . No official numbers for ASA 181 yet . . . deadline for signing up is Friday, Nov. 19 (signup link => <https://goo.gl/forms/g50GBsOXoJTnYt3w1>). So far, 58 students and 37 ASA members have signed up. Still having problems with registration system not accurately recording when student or member checks the box on registration form. We are hoping to better integrate SMMfL with meeting registration

Update on JASA Special Issue on Education in Acoustics

Call for Papers: https://asa.scitation.org/jas/info/specialissues/cfp_020421

Preston Wilson and Dan Russell are co-guest editors.

NEW Deadline for Manuscript submissions: **December 20, 2021.**

So far we have received

- 2 manuscripts fully accepted
- 5 manuscripts undergoing author revision (after review)
- 9 manuscripts currently with reviewers
- 4 manuscripts with editors awaiting assignment to reviewers
- 10-12 manuscripts that have been “promised” but not yet submitted

Update on Education in Acoustics Awards

2021 Robert Young Awards for Undergraduate Research

Application deadline was Sept. 13. Decision date was supposed to be Oct. 4. (I'm very late this year)

Selection of Awardees by ED chair and at least one additional ED member.

Application form says "*Four (4) awards of up to \$500 each for separate and independent projects are available for 2021.*" But, Acoustical Society Foundation Board has allocated \$3250 for 2021.

- 12 applications received.
 - 4 requested funds to travel to ASA meetings (*not what Young Award MoU states this award is for*)
- If we can use the entire available \$3200 => 8 students receiving \$450 each
- If only 4 awards, then Dan needs one (or two) volunteer(s) to help select winners, ASAP.

2022 Rossing Prize in Acoustics Education Research

Reminder about nominations for the Rossing Prize in Acoustics Education

ED Special Sessions for Future Meetings

We will plan on holding our “normal” outreach events at each in-person meeting, unless local conditions or interest does suggest otherwise.

- **Hands-On Demos**
- **Listen Up and Get Involved** ([depending on Seattle area Girl Scouts Interest](#))

ASA #182 – Denver, CO – (May 23-27, 2022)

- **Connecting Industry and Education** – Jim DeGrandis and Dan Russell
 - [Case studies and examples of successful partnerships between industry and educational institutions. Internships, equipment donations, educational programs, mentoring, etc.](#)
- **STEAM ideas and resources for science fair projects – teaching younger kids** – Kim Riegel, Andrea Calilhanna, Cameron Vongsawad
 - [Acoustics related ideas and resources for science fair projects or home-schooling activities.](#)

⇒ Collaborate with a TC for session on TC-specific education topic

- ⇒ TC – organizer
- ⇒ TC – organizer

⇒ Review the list of Session ideas from June 2021 AiF ED meeting

ASA #183 – Nashville, TN – (December 5-9, 2022)

- **Session** – organizer
 - [Description.](#)
- **Session** – organizer
 - [Description.](#)
- **Tutorial on machine learning (deep learning)?** – Scott Hawley
 - [Belmont \(Atmos Theater and brand new concert hall\). Schermerhorn.](#)
- **Field Trip?** – Scott Hawley
 - [Belmont \(Atmos Theater and brand new concert hall\). Schermerhorn.](#)

ASA #184 – Chicago, IL – (May 8-12, 2023)

- **Session** – organizer
 - [Description.](#)
- **Session** – organizer
 - [Description.](#)

ASA #185 -- Sydney, Australia – (Fall 2023)

This is a JOINT meeting with the Australian Acoustical Society and WESPAC. The Technical and Executive councils have asked that these sessions involve a co-chair/co-organizer from both the ASA and also the Australian Acoustical society and/or one of the Asian acoustical societies.

- **Connections between Music and Math** – Andrea Calilhanna
 - [Description.](#)
- **Online Resources for Teaching Acoustics (with a music flavor?)** – Andy Morrison and Joe Wolfe?
 - [Description.](#)
- **Approaches to Acoustics Education in the Asia Pacific Region** – Marion Burgess and ???
 - [Description.](#)
- **Distance Learning for Acoustics Professionals Across International Boundaries** – Marion Burgess and Dan Russell and ???
 - [Description.](#)

Reports from ASA Outreach and Education (Keeta Jones)

CIRDI – Committee to Improve Racial Diversity and Inclusivity

SURIEA – Summer Undergraduate Research & Internship Experience in Acoustics

- 17 undergraduate students from underrepresented minorities
- Two-Week Acoustics Summer School (*Kim Riegel, Eric Reuter, Adrian KC Lee*)
- 10-week research / industry internships with mentors/sponsors

ASA Outreach Activities

International Year of Sound (IYS): activities extended through 2021

- Wikipedia edit-a-thon - <https://meta.wikimedia.org/wiki/Wiki4YearOfSound2020>
- Past/Upcoming virtual events - <https://exploresound.org/virtual-events/>
- Acoustics Today IYS issue - <https://acousticstoday.org/issues/2020AT/SpecialIssue/#p=1>
- Physics Today IYS issue - <https://physicstoday.scitation.org/toc/pto/73/12>

Update on Booths Initiative – VIRTUAL exhibit booths at other society meetings:

- AAPT
- SACNAS
- NSBP

Update on ASA Teacher Activity Kits

- Status on version 2.0 of the Activity Kits . . . ?
- Potential Kit Management: BrightKey or Educational Innovations
- Subcommittee:
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Other Outreach Activities

- Invited Speaker Series (ASA and SPS) has pivoted to virtual talks. Volunteer speakers are needed!
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- Society Civic Science Initiative - <https://www.societycivicscience.org/>
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- **SPS Science Outreach Catalyst Kits (SOCKs)** – focus on Sound –
- Acoustics Education Workshop – in conjunction with summer in-person AAPT meeting?
- for minority students applying to graduate programs in acoustics?

New Business . . . things to think about for the Future of ED COM

ED COM meetings:

[1] Should we continue to hold the ED COMM administrative meeting online (Zoom) the week before the ASA meeting, even after ASA meetings return to in-person formats? This was a discussion among several members who had logged on to the meeting early, before the meeting was officially called to order. There are many advantages to holding the ED COM meeting online via Zoom ahead of the ASA meeting itself:

- It prevents conflicts with several other meetings that are typically scheduled at the same time during in-person meetings, thus allowing more people to attend. Women in Acoustics and the Engineering Acoustics TC are always scheduled at the same time as ED COM. Our attendance for the last 3 virtual Zoom ED COM meetings (34, 44,37) has been slightly higher than the attendance for the last four in-person meetings (29,35,25,35).
- Meeting over Zoom allows for breakout discussions and increased interaction in a manner that is not quite as easy in an in-person environment.

[2] Should we schedule some informal, additional meetings (online via Zoom) to facilitate ongoing discussions? Much of time during our regularly scheduled meetings is filled with necessary administrative tasks and information, leaving little time for discussions about ways ED COM could be advancing the cause and awareness of education in acoustics both within and outside of ASA. We generated a long list of potential topics for future special sessions, but those ideas could benefit from substantial further discussion to flesh them out and put them into practice. Or, some of those ideas could even be presented during a “min-conference” or afternoon workshop.

[3] other? text

Call to Adjourn: