

TCMU Meeting

Virtual (via Zoom)
May 14, 2020
4:00 pm EDT

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Agenda

- Acknowledge First time attendees and/or guests
- TPOC reps
- Technical Council updates & requests
- Discuss a proposal for a series of online MU talks
- Chicago meeting: confirm sessions and possibility of virtual meeting
- Special sessions for future meetings
- Technical Initiatives: old and new
- Committee reports
- New Business / Final Thoughts

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General announcements

Technical Program Organizing reps

- Peter Rucz and Chris Jasinski organized the meeting that didn't happen
- Thank them, anyway!!
- I've volunteered them again for Chicago, take 2

TC Chair election

- You're stuck with me for 3 more years

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Tech Council updates

- Abstract deadline for Chicago will be "late July"
 - Call for papers out in June
- No guarantee that Chicago meeting will be in person
- Virtual Technology Task Force will investigate options for virtual sessions/meeting and make recommendations
 - Short poll about attendance (next slide...)
- ASA School has been rescheduled for Seattle

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Quick Poll on Chicago meeting

1. If Chicago does happen in person, how many people know right now that they will not be able to attend?
2. If Chicago is virtual, how many expect to participate?
3. If the Chicago meeting is a hybrid of F2F and online, are there objections to participating in a session with online components (e.g. remote presenters)?

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Tech Council updates - Standards

- New payment model for ASA standards has been in effect since January 20.
- See Spring 2020 Acoustics Today for detailed update
- Sales report:
 - ~400 standards each of the past two years
 - ~350 standards in the first quarter of this year
- Nominations for Standards reps due this summer
- Jonas Braasch is willing to be the new rep

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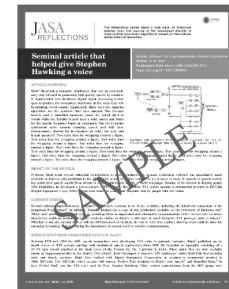
Outreach & IYS Updates

- Regarding COVID-19... Help point the public to good science. The Society Civic Science Initiative has resources: <https://www.societycivicscience.org/>
- Teacher Activity Kits are being redesigned. We are looking for ways to incorporate practical applications of acoustics. TC members with ideas/resources are encouraged to get involved. Contact Keeta Jones and/or Dan Russell.
- Join the Wiki4YearOfSound2020 campaign: <https://meta.wikimedia.org/wiki/Wiki4YearOfSound2020>
 - Help improve Wikipedia content related to acoustics, sound, human communication, music, noise its effects and control, and soundscapes. Participants are also encouraged to translate pages from the English Wikipedia into other languages. Contributions done during January and December 2020 will be highlighted in the International Year of Sound report of activities.
- IYS extended into 2021: <https://sound2020.org/coronavirus/>
- Take part in Social Media campaigns like #MysterySoundMonday (Twitter & Instagram)
 - Facebook: @acousticsorg, Instagram: @acousticalsocietyofamerica, LinkedIn: Acoustical Society of America, Twitter: @acousticsorg
 - Submit a video to kjones@acousticalsociety.org of yourself/family playing or singing a song for a virtual #ASAJam. Videos will be shared via ASA social median accounts and the public will be encouraged to post their own.

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Tech Council updates - Publications

- New JASA look; new templates as of Jan. 2020
- JASA-EL will become "Gold Open Access"
 - Launch January 2021
- Looking for more Reviews and Tutorials
- How to find these?
- Reflections articles
 - Monthly feature, starting in July
 - In addition to nominations of classic papers, we need someone to write 2-page description



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JASA update: Impact Factor

| | | | | |
|------------|-------------------|-------------------|-------------------|-------------------|
| • ARCH AC | 2015 - 1.66 (51) | 2016 - 1.51 (49) | 2017 - 1.23 (52) | 2018 - 1.44 (46) |
| • ANIM BIO | 2015 - 1.85 (51) | 2016 - 1.65 (82) | 2017 - 1.68 (112) | 2018 - 1.27 (113) |
| • AC OCEAN | 2015 - 0.88 (9) | 2016 - 1.50 (8) | 2017 - 1.68 (22) | 2018 - 1.0 (27) |
| • BIOMED | 2015 - 2.1 (84) | 2016 - 1.86 (59) | 2017 - 1.75 (63) | 2018 - 1.88 (66) |
| • ENG'G | 2015 - 1.52 (42) | 2016 - 0.70 (40) | 2017 - 1.29 (55) | 2018 - 1.70 (73) |
| • MUSIC | 2015 - 1.50 (40) | 2016 - 1.00 (37) | 2017 - 0.79 (38) | 2018 - 1.2 (46) |
| • NOISE | 2015 - 1.76 (51) | 2016 - 1.44 (50) | 2017 - 1.95 (41) | 2018 - 1.85 (39) |
| • PHYS | 2015 - 1.68 (208) | 2016 - 1.95 (118) | 2017 - 1.69 (159) | 2018 - 1.80 (162) |
| • P&P | 2015 - 2.16 (206) | 2016 - 1.73 (199) | 2017 - 1.58 (205) | 2018 - 1.81 (214) |
| • SIG PROC | 2015 - 1.94 (88) | 2016 - 1.88 (86) | 2017 - 1.91 (88) | 2018 - 2.16 (106) |
| • SPEECH | 2015 - 1.66 (203) | 2016 - 1.39 (185) | 2017 - 1.69 (179) | 2018 - 1.93 (174) |
| • STRUCT | 2015 - 1.70 (57) | 2016 - 2.27 (59) | 2017 - 1.49 (71) | 2018 - 1.71 (78) |
| • UW AC | 2015 - 1.14 (120) | 2016 - 1.35 (98) | 2017 - 1.44 (95) | 2018 - 1.52 (87) |

Goal is to raise overall IF to > 2.0

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More Publications updates

Special Issue: Modeling of Musical Instruments

- Guest editors: Nicholas Giordano and Vasileios Chatziioannou
- Deadline for manuscripts is 31 December 2020
- Machine Learning – deadline November 2020
- Topics include:
 - Analytical and computational models of musical instruments
 - Experiments that test or inform modeling of a musical instrument
 - Human voice is considered a musical instrument

Associate Editors for Musical Acoustics

- Psyche Loui is new AE
- Others are Thom Moore, Andy Morrison, Tamara Smyth

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A Request from Publications

- Suggestions for topics and authors for: Special Issues, **Guest articles, Reviews, Tutorials, Forum** articles
 - Special Issues have been almost oversubscribed this year. We need the other categories now!
- We need both research and “opinion/commentary” (Forum) articles for the **COVID-19 Pandemic Acoustic Effects** special issue. Please look at the call for papers to get the flavor of what we’d like.
- We also would like ideas for some “between meeting” online events (e.g. guest speakers plus discussion time, “coffee hours”, etc.) that would help keep ASA members/committees engaged in the absence of frequent in-person meetings.



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Don't forget...

- Get involved webpage: acousticalsociety.org/volunteer
- Member application form has been updated – please upgrade your membership!

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A Proposal

In my capacity as Chair of the EAA TCMA, it has just been suggested to me (by Jim Woodhouse) that it might be good if an international series of occasional online musical acoustics talks could be put in place, enabling colleagues around the world to keep interacting and disseminating their research. This does sound like a very positive thing to try to implement.

I don't have the bandwidth myself at the moment to deal with the logistics of setting up such a talk series (I am currently Head of School here at the Open University, and as a distance-learning institution, we are as busy – if not busier – than ever, with all of our modules still being delivered to our students). However, I wondered whether you and I could send a message around both the EAA and ASA TCMA members, suggesting it as a possibility and seeing if anyone might be willing to take on organising a series of this type? We could always put a call out for potential contributors too.

What do you think? It might take a bit of thought, but there might be some mileage in the idea. One could envisage, for example, weekly/fortnightly/monthly talks given by different people (although some consideration would have to be given as to different time zones when deciding on the best time of day for any talks). Or they could be less frequent/regular than that.

- David Sharp

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What's happening with other meetings?

- ICSV 27 - Prague, 12 - 16 July 2020 --> 2021?
- ViennaTalk 2020 – postponed to 2022

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Chicago (S20) – in the Call 4 Papers

- "Acoustics of Harps and related instruments" (joint with SA) – Jim Cottingham
- **Harp Concert \$\$\$ (possible IYS connection). ** virtual?
- Computational Phonogram Archiving (Joint with SP, CA) – Rolf Bader
- Music Venue Acoustics and Architecture (Joint with AA) – Rolf Bader & Tim Ziemer
- Musical Acoustics Education at the Undergraduate Level (Joint with EdComm) – Andrew Morrison
- Optical methods (joint with PA)
- Demonstrations for classroom acoustics (joint with ED, PA, SA...)
- HOT TOPICS: (John Granzow)
- Lyon and Healy tour (Harp factory). -- virtual tour??

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Seattle (S21) – ideas

- Brass acoustics (Thom, Vasilis)
- Nonlinearities in musical instruments (Nick G., Vasilis)
- Guitar Acoustics – Mark Rau and Jonas Braasch
- Physical modeling and digital fabrication in MU – John Granzow and Jim Cottingham
- leverage local industry connections:
 - virtual reality acoustics (Tony Smith @ Intellectual Ventures)
 - Oculus labs
 - machine learning
- Technical initiative for tour

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Sydney (F21) – preliminary ideas

Special sessions must be cosponsored with non-ASA org

- Player-instrument interaction – Vasilis C. +Joe W.
- Japanese musical instrument analysis and synthesis – Bozena and Kimi Coaldrake
- vocal tract effects on musical instruments (Joe & Noel)
- Indigenous instruments – Jim Cottingham and ??

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Sydney and beyond

Sydney, Australia, 6-10 December 2021

- ASA Meeting Cochair: Marcia Isakson
- ASA Technical Program Chair: James H. Miller
- Down-Under Fund for Students DUFFS) - goal is \$100k total

- Denver, CO (Spring 2022)
- New Orleans (Spring 2025) (joint with ICA)

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Committee Reports

- **Medals and Awards** (Thom Moore)
- **Membership** (Bill Hartmann)
- **Student Council** (Mark Rau)
- **Education in Acoustics** (Jack Dostal)
- **JASA Associate editors**
 - JASA (Thom Moore, Andy Morrison, Tamara Smyth, Psyche Loui)
 - JASA-EL (Murray Campbell)
 - POMA (Randy Worland)
- **Women in Acoustics** (Judy Cottingham)
- **Tutorials (Jim C.) , Standards (Andy M. → Jonas B.)**

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Technical initiatives - funding

- Tour of Seattle facility
- Concert in Sydney

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Other issues

How to maintain social distancing while performing acoustic instruments?
Some studies of aerosol spreading suggest 10 m radius !?

Bozena Kostek invites people to check out demonstration of 360°
recording technology @ <https://youtu.be/4dwSRNxUriU>

Visit the MU TC web page – frequently!! <https://tcmuasa.org>

Andy M. will look at creating a page for sharing links to virtual concerts