

AES TCAA Zoom Meeting 2/14/24 (<https://www.aes.org/technical/aa/>)

The TC-AA is not only about audio systems but also systems that utilize audio systems to aid in their functions as well. Audio systems are being asked to perform more and more tasks as technology advances and the goal of the TC is to keep up to date on all of them. If anyone knows someone who would like to join our TC have them email any chair or vice-chair and we can add. Contact info can be found on main TC page. We also have a private LinkedIn group which the chairs/vice-chairs can help with admittance as well.

Automotive Audio Conference – June 26-28, Gothenburg, Sweden

<https://aes2.org/events-calendar/2024-aes-automotive-audio-conference/>

The goal of the committee is to hold a conference every 2 years which means the next one is schedule for June 26-28, 2024 at Uni3 in Gothenburg Sweden. The Dearborn event had little over 200 participants and looking to get 300 or so. This venue has plenty of room and can be expanded if needed. Success of the event depends on everyone's willingness to weigh in and contribute, we want to ensure we can maintain a high quality of academic contributions. Call for Papers is now open

<https://aes2.org/contributions/2024-aes-5th-international-conference-on-automotive-audio/> with deadline of Mar 17. Topics of interest located also located on submission page. If you have an idea for a Workshop, or Panel, please contact any committee member (listed on the website). Also looking to include AI, Machine Learning, ANC, Speech etc involved as well. If anyone has an idea for a demo, they would like to show please contact Roger. Sponsorship questions can be asked through the email:

AA24_sales@aes.org Sponsorships have been steadily growing. Registration will open in March. So far, we have 1 keynote lined up in which further information will be coming shortly. Another is also in the works but not yet finalized.

Committee is working on time for exhibit participation and for the conference to be sponsor friendly, giving ample opportunity to engage with them.

Question was asked if paper deadline was for complete paper or just abstract. From the website it looks as if full paper but Raf will reach out to Samira and Greg for clarification. We can work with anyone wanting to submit a paper, submit what you have if only an abstract and the committee can work on how to best manage.

The submission page is also for any ideas of interest people would like to see covered and if have anyone in mind to contribute to such topic. If submission page is too intimidating you can submit your idea to Roger or Raf as well directly.

Since vehicles are moving to more software based the topic of platforms was raised. Raf said a discussion on this would be good to see what audio will have to work with in the future.

Social events are also being planned. One in the works is possibly a tour of a Tonmeister studio in which small groups could experience. The usual dinner for the 2nd night of the conference is being planned. There will also be a paid service of a person

on-site to help with social event planning for those spouses, family, friends that may be traveling with you.

Roger showed layout of venue detailed exhibit space and auditorium for presentations, workshops and tutorials. Also showed how venue can be expanded to accommodate more if need arises. Currently working with AES on information sheet to be distributed for those interested in presenting exhibits.

Raf brought up having a room with an immersive audio system setup to complement the vehicle demos to give an idea of what the systems should sound like. So far it has been tricky to organize, hard finding the right people to assist. If anyone knows of someone in Gothenburg who may be interested, please let Raf know. Some made comment that possibly Dolby would be interested, they are being pursued. Some made the comment that it may be unfair to judge a vehicle against a room because speaker positions in a vehicle are not ideal and Raf said the conference is more about learning and experience and having a conference without one would be a bit odd. Wolfram brought up an experience he had with a ton meister studio and discussions on how to bring this experience to a vehicle. Raf asked for the contact information for possible participation on a panel on Immersive Audio.

In-Vehicle Measurements Whitepaper Update

Version 1.0 of the whitepaper is soon to be released to create a level playing field for a repeatable, consistent approach for how to perform measurements in a vehicle. The three areas of interest are; Frequency Response, Max SPL and Impulsive Distortion as well as a section on microphones and microphone array used. The whitepaper is being created as a recommendation and not a standard and it meant to be a living document and expand scope as needs arise.

There will be a panel discussion on the whitepaper at the conference. Steve T. asked if anyone would be willing to take measurements so that more experience is gained and we can see what works and what didn't for next versions. A suggestion was also made to have a discussion about measurements in general.

Planning to have vehicle for measurement demos like in Dearborn.

Access to stimuli and the current version of the whitepaper can be found here:

[https://urldefense.com/v3/https://drive.google.com/drive/u/3/folders/1cT0AVVReMoMXAxylyhEJh_oKG4_p4uZ_!!Bbg-OcCDIOs!A-6majMqDQNIlsA7y_qPRldWv4DzJF3X2K477Z_jX2drSRtPtaSpac-p4oFeuzWH04TY6f_LcXHGdW0vrTAuEA4jhQ\\$](https://urldefense.com/v3/https://drive.google.com/drive/u/3/folders/1cT0AVVReMoMXAxylyhEJh_oKG4_p4uZ_!!Bbg-OcCDIOs!A-6majMqDQNIlsA7y_qPRldWv4DzJF3X2K477Z_jX2drSRtPtaSpac-p4oFeuzWH04TY6f_LcXHGdW0vrTAuEA4jhQ$)

(shorter url is also available: <http://tinyurl.com/aes-tc-aa-white-paper-v1-0>)

Jayant Datta, who led this whitepaper's development, would like to encourage everyone to make measurements and upload their files into the "Acquisitions" folder? (by creating a sub folder with a suitable name).

Speech Sub-committee

Fabio from the Speech Sub-committee said a proposal for a workshop on general VR was going to be submitted. The focus is looking at how VR is handled in different industries to gain a better understanding of different techniques and tools used. If anyone is interested, please contact Fabio fabio.cagnetti@bdsound.com.

Audio Product Development Alliance (APDA) Seminar

The Audio Product Development Alliance is organizing a seminar for education on Bluetooth LE Audio. The event is aimed to answer all the questions on these new Bluetooth protocols.

“APDA Bluetooth LE Audio Development Seminar”

Friday May 3rd and Saturday May 4th - Sonesta Silicon Valley Hotel and Resort, Milpitas, CA

It will be two days of deep knowledge and a unique opportunity to ask questions about LE Audio, LC3, Auracast, Testing, Certifications, and much more. One main auditorium with key expert presentations, rotating breakout rooms for more hands-on experiences, and ample networking time.

Anyone who is interested, please contact Roger. Registration should be open soon.

Asian Interest in TC-AA

It was mentioned that there has been interest in our group from Asian community but the time zone difference has been quite a challenge. If anyone has interest in starting a regular meeting group in this region, please contact Roger. Japan has a strong AES interest, Korea IEEE. If anyone knows of influential Asian contacts who would be interested in the upcoming convention, please let Roger know. Some attended the Dearborn conference since some tech centers are in the area.

Next TC-AA Meeting

April 10, 2024.

Contacts:

Roger Shively: [click here](#)

Hans Lahti: [click here](#)

Pat Dennis: [click here](#)

Martin Kreissig: [click here](#)

Attendees:

Roger Shively

Ken Deetz

Jayant Datta

Steve Temme

Andreas's iPhone
Andy Goeppner
Conrad Cooke
Eli Ellison
Fabio Cagnetti
Garrett Laskowski
Hans Lahti
John Busenitz
Jon Lane
Lars Carlsson
Martin Kreissig
Matt Ruhlen
Michele Buccoli
Patrick Dennis
Ryan Henry
Rafael Kassier
Rudiger Fleischer
Sophia Emmert
Timo Fischer
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