

AES TCAA Web meeting 01/26/23 (<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.

In-Vehicle Measurements Whitepaper Update

The whitepaper is being developed to create a level playing field for a repeatable, consistent approach for how to perform measurements in a vehicle. The three areas of interest will be; Frequency Response, Max SPL and Impulsive Distortion as well as a section on microphones and microphone array used. The team has been brushing up some loose strings and plan to release version 1.0 soon for feedback and beta testers. The paper will be distributed to all members of the TC-AA. Reach out to Raf to ensure you and your colleagues will be included. The whitepaper is being created as a recommendation and not a standard.

NVH and Sound Management Subcommittee Update

Call to action: Get involved! Are you involved or concerned with the interaction of the vehicle sound system with the NVH world? Are you just interested to listen-in or participate? Then feel free to join the subcommittee and contribute!

Dewey gave brief overview of what the committee is all about. It was kicked off two years ago in response to market trend of EVs and need for better in-vehicle noise control solutions. Currently have 3 members so desire many more to encompass a wider range of input and ideas. Aim of the group is to organize seminars to raise awareness for the problem space and trigger more interest in the working group. Gaurav who works on active noise cancellation, road noise cancellation at Stellantis mentioned he hopes this committee can help foster cross-functional collaboration between “audio experts” and “noise experts” worlds.

New Sub-Committee Proposal – Voice and Speech

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Fabio Cagnetti (fabio.cagnetti@bdsound.com) gave an update on this new sub-committee. The group is still in the process of formation. Topics of interest include speech processing, microphones, echo cancellation, communication, voice commands, etc. Raf commented aim should also be to stipulate conference topics, papers, webinars, etc. Possible next tangible outcome is to have a webinar to explain the problem space; proposed target audience are AAES community; could use LinkedIn social channels or AES press release to promote (Roger Shively can help organize this, 1-2 months lead time please. rshively@jracoustics.com; US Mobile: +1-317-908-6396 (Seattle, WA))

Upcoming Events

We should contribute an automotive-themed workshop, tutorial and/or paper to the following:

- May 13-15 2023: *AES 154th Convention 2023*: Aalto University, Espoo, Helsinki, Finland
Raf: planning for an Auto TC led panel discussion on immersive audio in cars
- August 23-25, 2023: *2023 AES International Conference on Spatial and Immersive Audio*: University of Huddersfield, UK
Raf: encourages to go there, e.g. show a car prototype
- October 2023: *AES 155th Convention 2023*: New York, USA.
Raf: encourages to go there, e.g. show a car prototype

Next Automotive Audio Conference ?

The goal of the committee is to hold a conference every 2 years which means the next one is targeted for 2024. Usually the conferences rotate between the US and Europe. Since the last one was in Dearborn, MI USA (200 participants, very successful!) the next one is going to be in Europe. 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 so it does not become a trade-show only. Roger mentioned also looking to attract APEI attendees. Goal is to have sufficient participation such that cost/participant can be brought down. Kristoffer: proposes to have CarOEMs have free access to demos to stipulate more attention. Raf: could also consider sponsor packages with more free passes. Steve Hutt thought the Dearborn event went really well; advises to put together a "business case" towards AES. Overall, the group general appreciated the idea of lowering price to get more attendance. Comment also on attractive student pricing. Dewey thought at Dearborn, the amount of submitted papers was just at capacity – so needs consideration

Next TC-AA Meeting

Before Easter – April 9, 2023

Attendees list:

1_Andreas E.
Andy Goepner
Dan Field
David Dubrow (dubrowd)
dubrowd
Eli Ellison
Fabio Cagnetti
Florian Walter
Gaurav Agnihotri
Jeff Vautin
Jerome Halley
John Busenitz

K Deetx
Kristoffer Gottschalk
martin
Matt Ruhlen
Michael
Michael S. (Michael)
Michele Buccoli
Mike Grant
MSaintGeorge
Name (Original Name)
R Henry
Rafael Kassier
Re Gr
Reinhard Gretzki (Re Gr)
Roger Shively
Ruediger
Ruediger Fleischer
Samira Mohamady
Sarah Hölscher
Sergio
Stefan Holzhaeuser
Steve
Steve Hutt
Toby Newman
Veronique
Wolfram Jaehn AUDI AG
YuDu