Minutes of AES TC on Coding of Audio Signals

Minutes

The meeting was called to order at the 147th AES Convention, New York, October 18, 2019 at 1:00pm by Schuyler Quackenbush, co-chair.

The agenda, shown in the Annex 1, was approved. The chair welcomed attendees, shown in Annex 2, and thanked them for participating in the TC meeting.

Sascha Dick gave a presentation on the status of the "CDROM-2: What to Listen For" project. It will be provided as a file-based website that will automatically configure for PC, tablet and smartphone display form factors.

Concerning work needed to complete the project, Jim Johnston noted that Susan Vega would be a good clip to demonstrate BMLD, but it was noted that this would not be possible for Copyright reasons. Sascha noted that the new material in "What to Listen For" has interactive figures, and that it would be good if legacy material from the CDROM were upgraded to have similar interactive figures, e.g. tandeming and pre-echo. As in the previous edition, audio signals have to be cleared in terms of copyright.

Juergen Herre noted that the "CDROM" would be sold from the AES download store as a zip archive.

Overview of open issues and assigned tasks for the finalization of the "CDROM"

Topic	Name / Status
Review legacy material and generate new graphics if appropriate	Original authors may review their sections where applicable Sascha Dick will generate new graphics for pre-echoes and tandem coding
Collect and share form factor info for new content and possibly Matlab script for generating interactive graphics	Sascha Dick
Demonstrate BMLD artifacts with a "Susan Vega – like" item (with appropriate copyright)	
Update list of links (many linked websites no longer available)	Open: suggestions for new links Sascha Dick will remove dead links
List of MUSHRA scores associated with CD tracks on previous edition	Open: remove list or update using links to new structure where available?

The TC discussed possible workshop and tutorial ideas for future conventions. The following is a summary of those ideas:

- Workshop on "CDROM-2" (Vienna and New York) -- Juergen Herre
- Big data and audio coding and audio enhancement/restoration
- Perceptual cues in immersive/spatial audio that should be preserved in audio coding

The Chair reminded members to send an email to either TC co-chair to suggest persons that could be candidates for Fellow grade or for awards.

The Chair suggested that members send an email to Juergen Herre to suggest persons that could be candidates for Heyser Lecture.

There was no other business. The TC meeting was adjourned at 2:00 pm.

ANNEX 1 -- AGENDA

AES TC on Coding of Audio Signals
Room 1C02
Friday, October 18, 2018, 1:00 pm — 2:00 pm
147th AES Convention
New York Jacob Javits Convention Center

Agenda
1) Approval of Agenda
2) Opening Remarks of Chairman
3) Immersive/Spatial Audio activites at the 147th Convention
- Thursday   GA07   1E21   9:00-10:30   MPEG-H 3D Audio Goes VR, Juergen Herre
- Thursday   SE09   1E15   6:00-7:00   Heyser Lecture: Louis Fielder
- Friday   IS05   1E08   9:00-10:00   Building Listening Tests in VR, Panel
- Friday   IS06   1E08   2:15-3:15   6 DoF Workflow, Tomasz Zernicki
- Friday   IS07   1E08   3:30-4:30   6 DoF Live, Lukasz Januszkiewicz
- Friday   AP07   1E13   3:00-4:00   Design of filter banks, Gerald Schuller
- Friday   AP08   1E08   4:45-5:45   Listening Tests, Jan Berg

4) Proposals for Immersive/Spatial Audio activites at the 148th Convention
5) Proposals for activities at upcoming conferences, workshops etc.
6) Proposals for Awards
7) Heyser Lecture candidates
8) Expansion of CD-ROM "Audio Codecs – What to Listen For."
   Presentation from Sascha Dick:
   Identify volunteers to help with tasks.
9) Any Other Business
10) Next Meeting
11) Closing of the Meeting

ANNEX 2 – Participants

Name	Affiliation
Karlheinz Brandenburg	TU Ilmenau
Sascha Dick	FhG-IIS/AudioLabs
Christof Faller	Illusonic
Jim Johnston	Immersive Networks
Juergen Herre	FhG-IIS/AudioLabs
Peter Kroon	Intel
Griff Ocker	Summit Wireless
Schuyler Quackenbush	Audio Research Labs
Gerald Schuller	TU Ilmenau
Jan Skoglund	Google