Minutes of the AES Technical Committee on Coding of Audio Signals

Meeting was called to order at the 136th AES Convention, Berlin, at 13:00, Sunday April 27, 2014 by Jürgen Herre, co-chair.

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

The minutes of the last TC meeting at New York had been posted on the TC email reflector. Since there were no comments, the US Chair took the minutes as approved and uploaded them to the TC web site.

The Chair noted the activities at the 136th convention that were in some sense relevant to this TC:

- P1+2 Perception Sessions
- P11 Spatial Audio Session
- W1 Audio for Ultra-High Definition TV
- TT2 HHI

This convention's Heyser Lecture speaker was Dietrich Schüller, a recognized expert on archiving and preservation of sound (and video).

Then, the Chair and attendees discussed about events that the TC might sponsor or contribute to at the upcoming convention (137th in Los Angeles, 9-12 October, 2014). Clemens Par reported about a discussion that had occurred at the meeting of the TC on spatial audio and was about planning a number of activities on the topic of 3D Audio. Based on this and more discussion, the following activities were planned for the Coding TC:

- Jointly with the TC on Spatial Audio (TC-SA), demonstrations / technology presentations on 3D Audio are envisaged, possibly at a site other than the AES Convention site. The availability of such a site should be investigated by TC-SA (contact points Thomas Sporer / Sascha Spors). Alternatively, demonstrations on a smaller scale may be possible at the Convention site. More specifically, demonstrations on the following MPEG-H 3D Audio use cases are envisaged:
    - MPEG-H 3D Audio Home theatre use case: Contact point Schuyler Quackenbush (to be confirmed)
    - MPEG-H 3D Audio Personal TV use case: Contact Aki Härmä (to be confirmed)
    - MPEG-H 3D Audio Mobile use case: Contact Clemens Par
    - For Cinema use case: Talk to Brian McCarty

- Furthermore, a number of papers on the subject of MPEG-H 3D Audio should be submitted to stimulate a MPEG-H 3D Audio paper session. In view of the upcoming AES Convention papers submission deadline, only Type II paper submissions may be realistic (Submission of Abstract/Precis by May 14th, full paper by July 9).

Under agenda item #6, Bob Schulein reported from his talks to the HiRes and the PSEAS TCs on topics of philosophy and myths behind HiRes Audio and usage of compressed audio. While a collaboration with TC-HiRes is not clear at this point, a proposal emerged within the Coding TC after some discussion: To put together an information document which compiles current knowledge about the subject into something useful for the AES, their members and the outside world. The scope / title could be e.g. "Applications of different quality audio" or "How we listen" etc. Bob Schulein to further coordinate this effort. A next step might be to assemble an envisaged 'list of contents' for such a document.

Under the "other business" section, the chair reminded the attendants to think of nominations for AES awards, such as the fellowship. The TC meeting was adjourned at 14:07.

ANNEX 1 – Agenda

AES TC on Coding of Audio Signals
Room Cannes, Hotel Estrel, 13:00-14:00, Sunday April 27, 2014
136th AES Convention
Berlin

1) Approval of Agenda
2) Opening Remarks of Chairman
3) Review of recent activities for current convention / conference
4) Richard C. Heyser Memorial Lecture Series – Dietrich Schüller
5) Review of / proposals for activities at upcoming conventions, conferences, workshops etc.
   - 137th AES Convention, Los Angeles
6) Discussion on AES activities re HiRes Audio and related topics
7) Any Other Business
8) Next Meeting
9) Closing of the Meeting

ANNEX 2 – Participants

Name	**Company**
Jürgen Herre	International Audio Laboratories Erlangen / Fraunhofer IIS
Gerald Schuller	TU Ilmenau & Fraunhofer IDMT
Christian Helmrich	Fraunhofer IIS
Karlheinz Brandenburg	Fraunhofer IDMT
Frederik Nagel	Fraunhofer IIS
Clemens Par	Swissaudec
Bob Schulein	R.B.S. Consultants
Michael Kelly	DTS