Minutes of the AES Technical Committee on Coding of Audio Signals

1) The meeting was called to order after the 154th AES Convention, as a Virtual meeting over zoom, at 17:00 CET, Thursday May 25, 2023 by Jürgen Herre, chair.

The agenda was approved, as shown in Annex 1. The chair welcomed attendees, shown in Annex 2.

The minutes of the last TC meeting had been posted on the TC email reflector and then uploaded to the TC web site.

2) Status "What To Listen For" tutorial project & publication
Jürgen Herre reported a number of achievements since the last TC meeting:
- A public web landing page was established within the AES pages, providing the tutorial both as Download Package and for online browsing as well as links to the TC and the promotional video.
- The tutorial material is hosted by Erlangen University / International Audio Laboratories Erlangen, so content updates can be made continuously
- An Express Paper was published (see below)

A brief discussion in the TC found the following possibilities for further dissemination of the tutorial landing page:

- Publish link at ISCA -> Jan Skoglund
- Publish link at VDT -> Jürgen will reach out to Andreas Silzle
- Publish inside AES Germany

Other promotional activities are:
- Tutorial at Tonmeistertagung (November)
- Publish in the "AES Loop" (Sue Williams)
- Write a JAES Paper (see below)

3) Discussing the activities for the current AES convention at Helsinki, there were two TC-sponsored activities

- (On-site) Workshop on "What is going on at MPEG Immersive Audio? About Virtual Worlds, Quality Evaluation & More" (Jürgen Herre, Thomas Sporer, together with TC-PSEAS).
- Express Paper "Introducing the Free Web Edition of the 'Perceptual Audio Coders - What to Listen for' Educational Material".

This convention's Heyser Lecture was given by Jamie Angus-Whiteoak with a talk on the properties of human hearing ("The ear is not a Fourier Transformer").

4) The committee discussed about events that the TC might sponsor or contribute to at the upcoming convention (155th) in New York. The following activities were planned or envisaged for the Coding TC:

- Jan Skoglund will drive a Workshop on AI-based Audio Coding

Furthermore, the Express paper on the artifacts tutorial will be expanded into a full-blown (preferred: public access) JAES paper that also includes explanatory text about the background of each artifact.

5 – AOB)

In order to streamline the TC's website content, Jan and Jürgen will have an editing session after the TC meeting.

Furthermore, it was noticed that the AES TC Meetings announcements that had previously been published as part of the convention program, were no longer available in the Online program which makes it practically impossible for interested people outside the AES TC to attend. This is of concern and needs follow-up by the chairs and the AES Technical Council officers.

6/7) The next meeting will happen in conjunction with the 155th AES convention, possibly as a hybrid meeting if circumstances allow to be investigated further.

The TC meeting was adjourned at 17:33 CET.

ANNEX 1 – Agenda

AES TC on Coding of Audio Signals
Thu, May 25, 5-6pm CET
154th AES Convention

1) Approval of Agenda & Opening Remarks of Chairman
2) Status "What To Listen For" tutorial project
2) Review of activities for current convention
    - Richard C. Heyser Memorial Lecture Series
    - Other activities:
        Workshop MPEG-I Immersive Audio
        Express Paper -> Journal Paper
3) Review of / proposals for activities at upcoming conventions,
        conferences, workshops etc.
5) Any Other Business
        TC Website Update - streamlining
6) Next Meeting
7) Closing of the Meeting

ANNEX 2 – Participants

Name	Company
Jürgen Herre	International Audio Laboratories Erlangen / Fraunhofer IIS
Jan Skoglund	Google
Bernd Edler	International Audio Laboratories Erlangen / Fraunhofer IIS
Gerald Schuller	TU Ilmenau