Minutes of the AES Technical Committee on Coding of Audio Signals

1) The meeting was called to order at the 150th AES Convention, Virtual, at 17:00 CEST, Tuesday June 1, 2021 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 and then uploaded to the TC web site.

2) The Chair noted the Coding TC's workshop on '"Perceptual Audio Coders - What To Listen For" - Launch of The Web Edition' on Thursday May 27, 11:30 CEST which was a follow-up on the workshop one year ago and was run by Sascha Dick, Christof Faller and himself. Marina Bosi gave a keynote on Perceptual Audio Coding on Tue May 25, 4:45 CET.

This convention's Heyser Lecture speaker was Diana Deutsch with an online talk on auditory illusions and perfect pitch.

3) The committee discussed about events that the TC might sponsor or contribute to at the upcoming convention (151st in New York). The following activities were planned or envisaged for the Coding TC:

- Gerald Schuller proposed a Tutorial on 'Machine Learning for Audio Processing in Python' which would provide tutorial examples of Python code for functions like AutoEncoders, Quantization, Generative Audio, Variational Autoencoders etc.. It could cover areas of both signal processing and audio coding and thus may be run as a joint activity of TC-SP, TC-CAS and TC-MLAI.

4) Juergen Herre and Sascha Dick reported about the efforts of finalizing the TC's "Perceptual Audio Coders - What To Listen For" Web Edition package and thanked all contributors from the TC and – especially – Sascha Dick for his huge editor effort in putting things together. Besides the workshop, a promotional video has been produced for further advertisement of the project. Considerable discussion has been taken place with AES HQ since fall of last year on how to best make the content available to members and non-members and implementation is still in progress.

5) The chair noted that there is currently a proposal to form a joint *Immersive Audio Group* between TCs and found interest in the TC members that TC-CAS should join such a group, if established. Furthermore, a new US co-chair is needed to succeed on Schuyler Quackenbush. Proposals should be sent to Juergen Herre directly. Also, confidential proposal for future Heyser Lecturers are welcome.

6/7) The next meeting will happen in conjunction with the 151st AES convention.
The TC meeting was adjourned at 17:50 CEST.

ANNEX 1 – Agenda

AES TC on Coding of Audio Signals
Tue, June 1, 5-6pm CEST / 11-12 EDT
150th AES Convention Virtual

1) Approval of Agenda
2) Review of recent activities for current convention / conference
     - Richard C. Heyser Memorial Lecture Series
     - Other activities
3) Review of / proposals for activities at upcoming conventions,
          conferences, workshops etc.
4) Wrap up of Educational CD ROM Web Edition Project
5) Any Other Business
6) Next Meeting
7) Closing of the Meeting

ANNEX 2 – Participants

Name	Company
Jürgen Herre	International Audio Laboratories Erlangen / Fraunhofer IIS
Sascha Dick	Fraunhofer IIS
Gerald Schuller	TU Ilmenau
Arijit Biswas	Dolby Laboratories
Scott Kramer	Netflix
Marina Bosi	Stanford University