Minutes of the AES Technical Committee on Coding of Audio Signals

AES TC on Coding of Audio Signals
Fri, May 29, 15-16 CET
160th AES Convention, Copenhagen

1) The meeting was called to order during the 160th AES Convention, as a hybrid on-site and virtual meeting over Zoom, at 15:00 CEST 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 previous TC meeting had been posted on the TC email reflector and then uploaded to the TC web site.

2) Status of *JAES article* accompanying the "What To Listen For" tutorial. A lot of work has been done to finalize and revise this article based on an invitation of the new JAES Editor in Chief (Brian Katz).
The chair thanked all contributors to this effort for their extensive efforts. Currently, we are waiting for feedback on the revised version from the AES editorial office.

In the course of the JAES paper reviews, reviewers made several comments on the tutorial itself which may be useful for its further development. Thus, it is proposed to

- collect these comments
- decide which ones are useful for implementation, and
- prepare an update of the tutorial material

One of the comments issued by all reviewers was to add a section on AI-based audio coding. It was found that – although there is plenty of research on the topic – we are far from knowing what typical artifacts for such codec would be. This is thus left as an interesting task once enough is known for writing generic tutorial material on it.

It was furthermore discussed whether it is possible to create synergies with the ongoing ODAQ (open database on audio quality) efforts. Maybe it would be possible to include ODAQ sound examples and listener ratings into the tutorial?

3) Review of activities at AES Spring Convention 2026
There no specifically TC-sponsored activities, but several relevant presentations:

- Interestingly, the keynote talked about perceptual relevance ("The Perceptual Irrelevance of Physical Measurements" by Geoff Martin)
- The Richard C. Heyser Memorial Lecture talked about HRTFs (and hearing rehabilitation)
- Furthermore there were some interesting AI-coding papers, and a workshop “From Spec to Studio – Immersive Audio Creation and Delivery” including a small coding part

4) Review of proposals for activities at upcoming conventions, conferences, workshops etc.
The committee discussed about events that it might sponsor or contribute to at the upcoming convention (161st) in Nashville or further. The following activities were planned or envisaged for the Coding TC:

- A workshop on the ODAQ efforts (drivers: Pablo Delgado and Sascha Dick)
- Gerald Schuller proposed a workshop on "Perceptual loss functions". There are many recipes but no breakthrough happened in this area so far. This could happen at AES161 or 162. Drivers for potential activity: Gerald Schuller (+Pablo Delgado)
- An event on giving a high-level overview of the "Open media alliance" activities. There was a panel at ICASSP2026 at Barcelona.

The workshop & tutorial submission deadline for AES161 is currently listed as *July 10*, 2026.

5 – AOB)
It was discussed that the coding TC can submit nominations for awards and that proposals for suitable persons are desired. The chair could be contacted directly on that issue.

6/7) The next meeting will happen in conjunction with the 161st AES convention in Nashville, possibly again as a mixed on-site/hybrid meeting, if logistics allows.

The TC meeting was adjourned at 16:10 CEST.

ANNEX 1 – Agenda

AES TC on Coding of Audio Signals
Fri, May 29, 15-16h CEST
160th AES Convention

1) Approval of Agenda & Opening Remarks

2) Status of JAES article on "What To Listen For" tutorial. A lot of work has been done to finalize and revise this article based on an invitation of the new JAES Editor in Chief (Brian Katz).

3) Review of activities at AES Spring Convention 2026
   - Interestingly, the keynote talks about perceptual relevance ("The Perceptual Irrelevance of Physical Measurements" by Geoff Martin)
   - The Richard C. Heyser Memorial Lecture will talk about HRTFs and hearing protection
   - Anything else?
4) Review of proposals for activities at upcoming conventions, conferences, workshops etc.

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
Karlheinz Brandenburg	Brandenburg Labs
Gerald Schuller (remote)	TU Ilmenau
Jan Skoglund (remote)	Google LLC
Pablo Delgado (remote)	Fraunhofer IIS
Tomasz Rudzki	University of York
Toni Hirvonen	Samsung (US)