

Minutes of the AES Technical Committee on Coding of Audio Signals

The 25th Meeting was called to order at the 129th AES Convention, San Francisco, at 5:00PM Thursday November 4, 2010 by Schuyler Quackenbush, co-chair.

Agenda: The draft agenda, previously posted on the TC email reflector, was approved and is listed in the annex. In order to join the TC, an email should be sent to the chair after the convention. The minutes of the last TC meeting at London, previously posted on the TC email reflector, was approved and uploaded to the TC web site.

Schuyler Quackenbush introduced himself as the TC co-chair and welcomed the attendees.

Recent Activities: The ongoing activities of the committee and other coding-related events were reviewed. It was noted that there is one workshop at this convention sponsored by the TC on Audio Coding:

Friday, November 5, 9:00 am — 11:00 am
W4 – Wireless Audio Streaming

In addition, the Chair noted a paper on audio coding:

P17-8, Saturday November 6, 6PM, MPEG SAOC

Proposals for upcoming conventions:

- 1) Schuyler Quackenbush noted that Bernhard Grill, FhG-IIS, had at a previous TC-CAS meeting suggested a session on “coding for two-way communications.” Juergen Herre noted that such a session might be jointly sponsored by this TC and the TC on telecommunications.
- 2) Schuyler Quackenbush suggested that a topic more appropriate to this TC would be “low-latency audio coding.” Those present agreed that this would be a good topic and is clearly under the mandate of this TC. Schuyler Quackenbush agreed to coordinate this proposal as a possible workshop panel session at the 130th AES convention. There was good discussion on what or who should be represented on the panel, resulting in the following list:
 - Wireless microphones (e.g. Sennheiser or Shure)
 - “Non-coded communications” (e.g. PCM waveforms over gigabit networks)
 - MPEG low-latency codecs (e.g. AAC-LD, AAC-ELD, SAOC-LD)
 - ITU-T Superwideband codecs (e.g. Polycom)
 - Wireless telephones (e.g. DECT standards) or bluetooth
- 3) Thomas Sporer suggested that a topic for a future convention might be “coding for higher order Ambisonics). He noted that this is an active area of research and so it might not be appropriate for a convention in the near future.
- 4) Schuyler Quackenbush suggested that the TC might organize a tutorial on the quality of coded audio (i.e. “MP3 *can* sound good”). All present agreed that this is a great idea and would be a great opportunity to correct some pervasive misconceptions in the AES community, but that such a tutorial would need considerable preparation in order to send a convincing message. This might be a topic for the 131st Convention.

Proposals for Standardization: There were no nominations for possible standards.

Other business: There was none.

The next meeting will be held in conjunction with the upcoming AES 130th Convention

The meeting was adjourned at 6:00pm.

Annex I: Agenda

1. Approval of agenda
2. Approval of previous meeting's minutes
These were posted at <http://www.aes.org/technical/cas/>
3. Attendance.
4. Review of activities for current convention
 - W4 Wireless Audio Streaming Friday 0900-1100
5. Review of / proposals for activities at upcoming conventions
130th
 - Collect new ideas.
Previous suggestions:
 - Coding for two-way communications
6. Suggestions for AES standardization
7. Any Other Business
8. Next Meeting
Will be at 130th AES Convention
9. Closing of the Meeting

Annex II: Attendees:

Name	Affiliation
Schuyler Quackenbush	Audio Research Labs
Juergen Herre	Fraunhofer IIS
Karlheinz Brandenburg	TU Ilmenau & Fraunhofer IDMT
Thomas Sporer	Fraunhofer IDMT
Oliver Hellmuth	Fraunhofer IIS
Neil Smith	CSR
Bernd Edler	Univ. of Erlangen
Chuck Podaras	