Minutes of the AES Technical Committee on Coding of Audio Signals

The 24th Meeting was called to order at the 128th AES Convention, London, at 2:00PM Saturday May 22, 2010 by Christof Faller, acting 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 New York, previously posted on the TC email reflector, was approved and uploaded to the TC web site.

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:

W16 – MPEG Unified Speech and Audio Coding
11:00 – 13:00 H, Tuesday May 25

Proposals for upcoming conventions:

It was decided to aim at one to two workshops for 129th Convention in San Francisco:

Wireless streaming to portable devices
Responsible: Gary Spittle
Gary will have proposal reviewed by the Chair and submit it prior to the June 9th deadline.

Coding for two-way communications
Responsible: Ralf Geiger
Ralf is not sure if this is feasible for the next convention, but will investigate. It is envisioned to invite key people from the speech-coding/VoIP industries. Ralf will also check with Bernhard Grill, the original proponent of this workshop

The group brainstormed on activities for 130th Convention or later:

Tutorial or Workshop on multi-channel coding  Give an overview of the various open standards and de-facto standards. This may include matrix surround, multi-channel perceptual coding, spatial audio coding, etc.

Tutorial or Workshop on Resilient Coding  Coding for IP networks, wireless channels, VoIP applications. This idea needs more detail.

Tutorial or Workshop: What artifacts to we really hear in coded audio? Proposed by Amandine Pras.

Tutorial: What production people need to know about new coding standards. This would be aimed at ProTools users, sound engineers, etc. The topic to explore is: are there special considerations to be taken with respect to various spatial audio standards (recent
standards such as MPEG Surround, but it would also be interesting to discuss this topic related to older standards such as Dolby Digital/DTS or even matrix surround). Discussion originated by Regis Faria.

**Proposals for Standardization:** There was no discussion on this topic.

**Other business:** There was none.

The next meeting will be held in conjunction with the upcoming AES 129th Convention in San Francisco, November 4-10, 2010.

The meeting was adjourned at 3:50pm.
Annex I: Agenda

Agenda

1. Approval of agenda
2. Approval of previous meeting's minutes
3. Attendance
4. Review of activities for current convention
   - Richard C. Heyser Memorial Lecture Series
     Brian C.J. Moore 19:00 – 20:30 H Sunday May 23
   - W16 – MPEG Unified Speech and Audio Coding
     11:00 – 13:00 H, Tuesday May 25
5. Review of / proposals for activities at upcoming conventions
   129th AES San Francisco
   130th AES
6. Suggestions for AES standardization
7. Any Other Business
8. Closing of the Meeting

Annex II: Attendees:

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>Christof Faller</td>
<td>Illusonic</td>
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<tr>
<td>Karlheinz Brandenburg</td>
<td>TU Ilmenau &amp; Fraunhofer IDMT</td>
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<td>Tifanie Bouchara</td>
<td>LIMSI</td>
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<td>Tino Degen</td>
<td>Steinberg</td>
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<td>Ralf Geiger</td>
<td>Fraunhofer IIS</td>
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<td>Regis Faria</td>
<td>University Sao Paulo</td>
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<td>Richard Fuole</td>
<td>Blue Ripple Sound</td>
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<td>Max Neuendorf</td>
<td>Fraunhofer IIS</td>
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<td>Amandine Pras</td>
<td>CIRMIMT, McGill</td>
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<td>Gary Spittle</td>
<td>CSR</td>
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<td>David Trainor</td>
<td>APTX</td>
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