Minutes of the AES Technical Committee on Coding of Audio Signals

9th Meeting at the 111th AES Convention, New York, 1 December 2001

Meeting called to order 12:15 PM by J. Johnston, TC Co-Chair, after the end of the preceding papers session.

The agenda was approved as listed in the annex (see below). An attendance list was circulated, also attached as an annex. Those wishing to join the reflector should mail to hrr@iis.fhg.de after the convention.

The chair will query the mailing list asking that all members wishing to remain on the mailing list reply, in order to clean up the mailing list.

The main TC sponsored activity for this convention is the invited talk on the TC's educational CD-ROM 'Perceptual Audio Coders - What to Listen For'. The CD-ROM is now available in the AES publications booth. As usual, the Heyser lecture was noted as part of the Technical Council efforts.

The TC_CAS resolves that the AES Technical Council should recognize Markus Erne and Jürgen Herre for their contributions to and organization of the CD-ROM project.

TC_CAS (Markus Erne) should submit a letter or short article on the subject to the JAES to announce the CD-ROM. The co-chairman (JJ) solicited a short article on the CD-ROM to be circulated by him on the Internet. Also, Thomas Sporer reported that the use of the CD-ROM is considered by AES SC-06-04 for purposes of anchor/reference distortions in subjective quality assessment.

TC_CAS suggested developing the CD-ROM work into an ongoing activity, which would maintain and add to the current material. Additional topics to be included may also cover aspects related to signal processing (e.g. dithering, noise modulation, jitter). The CD-ROM would be intended to provide audible examples of coding and signal processing artifacts for the purposes of listener training and education. To this end, we may want to involve other TC's, in particular the TC on Signal Processing. From a capacity point of view, more material could be added to the CD-ROM disk (still free space on disk). In this case several versions of one type of distortion will be condensed into one track.

A discussion of proposals for activities at the 112th and 113th conventions ensued. There were two activities suggested for the 112th convention, which are:

An invited paper session on MPEG-4 extensions, i.e. bandwidth extension and high-quality parametric audio coding. Juergen Herre volunteered to be the initial point of contact for this activity.

A workshop using the issued CD-ROM, showing the artifacts, explaining how the samples were acquired and generated, and so on (it was noted that a presentation to the European audience is necessary since all presentations so far have been done in the US). Markus Erne volunteered to chair this workshop.
For the 113th, a workshop on very low bitrate audio coding methods, including but not limited to bandwidth extension, Internet handling issues, and the like was suggested.

The next meeting will be held at the upcoming 112th convention in Munich.

The meeting was closed at 12:50 PM.

Respectfully, J. Johnston, Co-Chair
Agenda:

1) Approval of Agenda
2) Opening Remarks of Chairman
3) Review of membership list, consideration of any others to invite
4) Review of activities for current convention
   - Richard C. Heyser Memorial Lecture Series
   - Status and progression of educational CD ROM project
     "Perceptual Audio Coders - What to Listen for"
   - Other activities
5) Review of / proposals for activities at upcoming conventions,
   conferences, workshops etc.
   - 112th AES convention Munich
   - 113th AES convention Los Angeles
6) Any Other Business
7) Next Meeting
8) Closing of the Meeting

List of Attendees:

Michael Smithers
Thomas Sporer
Gerald Schuller
Thomas Boltze
J. Herre
Tim Murphy
Stefan Geyersberger
Markus Erne
J. Johnston
Pete Schreiner
Karlheinz Brandenburg