

Meeting TC-MA, 05.06.2016, 16h-17h, during the 140th AES Convention, Paris.

Participants:

- Helmut Wittek, Schoeps, chair
- Eddy Brixen, ebb consult
- Jürgen Breitlow, Sennheiser
- Hans Riekehof-Böhmer, Schoeps
- Hans van Maanen, Temporal Coherence

Topics:

1. Scope of the TC-MA: Array microphones

It was discussed that the new and upcoming Microphone Arrays are in the scope the TC-MA. The stereophonic “arrays” would not be in its scope, as they are used as a recording technique rather than a single microphone and thus are handled in the “Recording Technology and Practices”. Arrays which have to be summed electronically summed to generate feasible output channels are in contrast considered to be in the scope the TC-MA.

We agreed that it may be good to organize a workshop at a convention explaining different array concepts and existing solutions in ProAudio (M/S, Ambisonics 1st order, Ambisonics higher order, Sum-and-Delay arrays, Adaptive Arrays). Berlin 2017 would be a good starting point. Also a collaboration with TC-RTP could be possible.

2. Workshop “Mic Specs”

This workshop should be continued. New and relevant topics should be included. Wittek recommended that the topic “disturbances into microphones/microphone lines” should also be added. A possible speaker could be H. Riekehof, Schoeps. For the upcoming convention in LA, Eddy Brixen will submit the proposal and chair/organize the workshop (Brixen, Breitlow, Josephson, Green?).

3. Discussion of the temporal properties of microphones

Mr. van Maanen suggested that the TC should discuss the temporal properties of microphones, as he thinks it is an important quality criterion which is not covered sufficiently. We discussed the relevance of this property and how it could be covered in the “Mic Specs” workshop. It was agreed that an analysis of the impulse response of a microphone can yield relevant results (e.g. reflections in big microphone housings) but not a lot of knowledge on the perceptual consequences exist.

H. Wittek, 22.06.2016