

# AES Technical Committee on Spatial Audio



## Notes from the meeting of the TC at the 134st AES Convention, Rome

**Date:** 5.5.2013, 14:00-15:00

**Meeting Chair:** Sascha Spors

### Participants:

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### Co-chair

James Jonston has stepped back from his position as co-chair of the TC

### Reports from past events

- 133<sup>rd</sup> AES Convention, October 2012, San Francisco
  - Ville Pulkki reported on roll-out of Dolby Atmos, DTS, MPEG-H activities
  - workshop on audio objects chaired by Frank Melchior
- 49<sup>th</sup> International Conference, Audio for Games, Feb. 2013, London.
  - Michael Kelly reported that the conference was well attended, 50:50 industry:research
  - hot topics: game specific audio, loudness, focus on reproduction for headphones and portable devices

### Activities at the 134st AES Convention related to the TC/spatial audio

- Piotr Maidak summarizes the initiative to standardize a novel file format for head-related impulse responses and other multichannel impulse responses termed Spatially Oriented Format for Acoustics (SOFA).

## **Upcoming events**

The following upcoming events have been announced by the chair/participants:

- 135<sup>th</sup> AES Convention, New York. Proposal deadline: 2013 May 16
- AES Conference Sound Field Control, Guildford UK, 2-4. September 2013
- Conference on Digital Audio Effects (DAFx), Sept. 2013, Maynooth, Ireland.
- 5<sup>th</sup> EAA Symposium on Auralization and Ambisonics, Berlin 2014. Proposal deadline: August 1<sup>st</sup>

## **Proposals for Workshops/Tutorials/Special Sessions**

- Workshop “Definition of Objects in Spatial Audio” (Frank Melchior)
- Workshop “Sound Design Tools” (Wieslaw Woszczyk)
- Workshop “Reproducible Research in Audio” (Sascha Spors)
- Tutorial “Introduction into Ambisonics Panning” (Franz Zotter)
- Special Session “Psychoacoustics and spatial audio” (Sascha Spors)
- Workshop “Atmosphere/Reverberation” (Christoph Faller)
- Tutorial/Workshop on WFS/HOA (Sascha Spors)

## **Spatial Audio Glossary**

is still work in progress. Members of the TC are invited to contribute. Please contact Sascha Spors.

## **Other Topics**

- A loudspeaker array could be provided at AES conventions in order to allow researchers and industry to demonstrate their approaches and artistic material. It was discussed how this could be realized and used. A paper and demo session was suggested where authors could directly demonstrate their approach. As alternative wireless headphones could be used.
- Thomas Sporer invited the participants to the FullDome-Festival Jena 2013
- EBU workshop on immersive audio/broadcasting including presentations and panel discussions

## **Technical Council Forum (Reminder)**

For the TC, a discussion forum is provided on the website of the AES. You can reach the forum via “My Member Portal” when logged in on the AES website or by the direct link <https://secure.aes.org/forum/tc/sa/>.