AES Technical Committee on Spatial Audio

Notes from the meeting of the TC at the 140th AES Convention, Paris, France

Date: June 5 2016, 12:00-13:00
Meeting Chair: Sascha Spors

Attendees:

News and reports from past events
- MPEG-H standardization: Version 1 (January 2015), Version 2 (last Friday, final approval later this year), used in Advanced Television Standard (USA) and for 22.2 at Olympic Games 2020 in Tokyo.
- 61st Conference on Audio for Games, Workshop on Virtual Reality Spatial Audio

Activities at the 140th AES Convention related to the TC/spatial audio
A number of workshops and tutorials related to spatial audio happened during this AES convention:
- Main Microphone Techniques for 2.0 and 5.1
- Audio Recording and Production for Virtual Reality/360-Degree Applications
- Binaural Sound in the Age of Radio and Television Broadcast: Why and How?
- Creating a Virtual Acousmonium in Unity5
- Perceptual Assessment of Spatial Sound: The Case of Binaural Reproduction
- Applications of Binaural Psychoacoustics In Audio—Designing Spatial Audio Techniques for Human Listeners
- Parametric Spatial Audio Processing: An Overview and Recent Advances

Upcoming events
The following upcoming events have been announced by the chair/participants:
- 141th Convention, Los Angeles, 29.9 – 2.10.2015, proposal deadline passed
- International Conference on Sound Field Control, July 18-20, Guildford
- International Conference on Headphone Technology, August 24-26, Aalborg, Denmark
- International Conference on Audio for Virtual and Augmented Reality, September 30 – October 1, Los Angeles, USA

Proposals for Workshops/Tutorials/Special Sessions
- 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)
- Assessment of spatial audio quality (could be a series of WSs) (Matthieu Parmentier)
- Audiovisual cross-modal perception and quality assessment, maybe co-organized with Perception TC. (Clemens Par)
- Tutorial "Spatial Hearing" (Ville Pulkki)
- Workshop on AES69 (Matthieu Parmentier) "Exchange of spatial data made easy"
- Workshop "Signal Processing/Implementation of 3D Audio" (Christoph Faller)
- Workshop + Demo: "MPEG-H" (Jürgen Herre)
- Workshop "Evaluation of spatial audio" (Thomas Sporer) joint effort with TC on perception

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

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/.