

AES Technical Committee on Spatial Audio



Notes from the meeting of the TC at the 137th AES Convention, Los Angeles

Date: Oct. 12 2014, 11:00-12:00

Attendees:

Richard Foss	r.foss@ru.ac.za	Rhodes University
Nils Peters	npeters@qti.qualcomm.com	Qualcomm Technologies
Karlheinz Brandenburg	bdg@idmt.fraunhofer.de	Fraunhofer IDMT
Francis Rumsey	francis.rumsey@aes.org	AES
Ville Pulkki	ville.pulkki@aalto.fi	Aalto University
Emanuël Habets	emanuel.habets@audiolabs-erlangen.com	Audiolabs Erlangen
Nuno Fonseca	nuno.fonseca@ipleiria.pt	Polytechnic Institute of Leiria
Frederick Umminger	frederick_umminger@playstation.com	Sony
Brian McCarty		

Meeting chair: Nils Peters

Co-chair: Sascha Spors (not present)

Reports from past events

- Ville Pulkki reported from the 55th AES Conference on Spatial Audio, August 27-29, 2014, Helsinki, Finland.
 - more than 40 papers
 - about 140 attendees
 - lots of research on HRTFs and headphone adaptation, timbral coloration of amplitude panning
- Other conferences on spatial audio (not much discussed)
 - *ICSA 2014*, Erlangen, Germany
 - www.tonmeister.de/index.php?p=veranstaltungen/icsa2014&sl=en
 - *EAA Joint Symposium on Auralization and Ambisonics 2014*, Berlin, Germany
 - www.auralization.tu-berlin.de

Activities at the 137th AES Convention related to the TC/spatial audio

A number of workshops and tutorials related to spatial audio happened during this AES Convention:

- Tutorial “MPEG-H 3D Audio” presented by Schuyler Quackenbush
 - Joint event together with the TC on Coding of Audio Signals
 - Well attended
 - Tutorial was highlighted on the front page of the AES Convention newspaper

Upcoming events

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

- *57th AES Conference on The Future of Audio Entertainment Technology*, March 6 - 8 2015
 - Conference co-chair Brian McCarty gave an overview of topics
 - spatial recording techniques
 - issues related to up/downmixing and content delivery to different formats
 - Spatial audio coding (e.g, MPEG-H)
 - Proposals for workshop and tutorials are welcome
- *138th AES Convention*, Warsaw, Poland. May 7 - 10 2015
 - workshop proposal deadline: Dec 19th
 - Sascha Spors may be able to organize a spatial audio track if there is interest
- *139rd AES Convention*, New York, Oct 29 - Nov 1 2015

Proposals for Workshops/Tutorials/Special Sessions

- Ville Pulkki: Optimizing decorrelation in time-frequency spatial audio processing
- One expert mentioned that educational sessions are important and always well attended

Other business

Standards Activities

- AES strives to stay connected/informed about ongoing standards activities
- TODO: find out which of the Spatial Audio TC members have ties to other standards (e.g., SMPTE)

Spatial Audio Glossary

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

Awards (Reminder)

- Please submit recommendations for AES awards and fellowships

- further information under www.aes.org/awards

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/>.