

# AES Technical Committee on Spatial Audio



## Notes from the meeting of the TC at the 141st AES Convention, Los Angeles

**Date:** October 1 2016, noon -1 PM

### Attendees:

Francois Becker	francois@coronal.audio	Coronal / Longcat
Nils Peters	npeters@qti.qualcomm.com	Qualcomm
Vlad Buhur	vbakhuri@gmail.com	
Luke Goodloomis	LukeGoodloomis@gmail.com	TEECOM
Jungwook Jonathan Hong	Jonathan.Hong@harman.com	Harman
Emanuël Habets	emanuel.habets@audiolabs-erlangen.de	Audiolabs Erlangen
Kaushik Sunder	Kaushik900505@gmail.com	McGill University
Frederick Umminger	frederick_umminger@playstation.com	Sony
Kazuho Ono	ono.k-gs@nhk.or.jp	NHK
Toru Kamekawa	kamekawa@ms.geidai.ac.jp	Tokyo University of the Arts
King Wei Hor	kingweihor@gmail.com	IN
J Johnston	audioskeptic@gmail.com	self
Patrick Flanagan	patrick@thx.com	THX LTD
Steven Crawford	stevencrawford07@gmail.com	University of Rochester
Thomas Sporer	spo@idmtfhg.de	Fraunhofer IDMT
Mark Ziemba	mark.ziemba@us.panasonic.com	Panasonic Automotive

**Meeting chair:** Nils Peters

**Co-chair:** Sascha Spors (not present)

### Reports from past events

- International Conference on Sound Field Control, July 18-20, Guildford
  - no report
- International Conference on Headphone Technology, August 24-26, Aalborg, Denmark
  - well organized
  - over 150 participants
  - Topics:
    - primary on signal processing and perception, little on acoustics
    - HRTF capturing and acquisition
    - subjective analysis of headphones
  - convincing demonstrations
- International Conference on Audio for Virtual and Augmented Reality, September 30

–October 1, Los Angeles, USA

- co-located with current AES convention
- currently ongoing
- lots of interest - conference is sold out
- many VR Audio demos
- very likely that there will be more AVAR conferences

## **Activities at the 141st AES Convention related to the TC for spatial audio**

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

- 3 paper sessions on Spatial Audio
- Video game track had lots of spatial audio processing

## **Upcoming events**

AES 142nd convention Berlin, May 20-23 2017

- call for papers is open until Jan 9th
- workshop planning had not started yet
- submission portal: [http://www.aes.org/events/workshop\\_proposal/](http://www.aes.org/events/workshop_proposal/)

Oculus connect 3 in San Jose October 5th - 7th, 2016.

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

- Evaluation of HRTFs and latency requirements
  - differences in resolution
  - in multimodal VR scenarios
  - in presence of room noise
- Workshop on Evaluation and Assessment of Spatial Audio
  - Thomas Sporer, Matthieu Parmentier ?
  - maybe joint workshop with TC perception?
- Perceptual tuning of artificial reverb
- Workshop on spatial microphones
  - contact David Bowles
- Proposal for a conference on Spatial reproduction, aesthetics and science
  - Japan, August 2018

## **Other business**

### **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](http://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/>.



