

AES Technical Committee on Spatial Audio



Notes from the meeting of the TC at the 143rd AES Convention, New York

Date: Oct 18 2017, 3–4 PM

Attendees:

Jürgen Breitlow	juergen.breitlow@neumann.com	Neumann
Nils Peters	npeters@qti.qualcomm.com	Qualcomm
Julio Cesar	j.gonzalez@vawestudio.mx	VAW Estudio
Patrick Flanagan	patrick@thx.com	THX LTD
Matthieu Parmentier	matthieu.parmentier@francetv.fr	France TV
Kazuho Ono	ono.k-gs@nhk.or.jp	NHK
Toru Kamekawa	kamekawa@ms.geidai.ac.jp	Tokyo University of the Arts
Schuyler Quackenbush	srq@audioresearchlabs.com	ARL
Scott Anthony	scott@storybooksound.com	Storybooksound
Charles Van Winkle	cvanwink@adobe.com	Adobe
Kent Hubbell	klh4@cornell.edu	Cornell University
Mark Bocko	marc.bocko@rochester.edu	University of Rochester
Ville Pulkki	Ville.Pulkki@aalto.fi	Aalto University
Helmut Wittek	wittek@schoeps.de	Schoeps

Meeting chair: Nils Peters

Co-chair: Sascha Spors (not present)

Reports from past events

- International Conference on Semantic Audio, Erlangen, 21.-14.June 2017
- International Conference on Sound Reinforcement, Struer DK, 30.8-2.9.2017
- International Conference on Spatial Audio (ICSA), Graz, 7.-10.September 2017 (VDT)

Activities at the 143rd AES Convention related to the TC for spatial audio

- Discussion on headphone equipment during convention
 - common in EU convention since 3 years but not that well established in US
 - was part of US Convention two years ago
- Sennheiser CinemaConnect could be a solution
 - audio is streamed to smartphone app, people bring own headphones

Upcoming events

- 2018 AES International Conference On Spatial Reproduction — Aesthetics And Science
 - Tokyo, Japan, August 7-9
 - <http://www.aes.org/conferences/2018/spatial/>
- 2018 AES International Conference On Audio For Virtual And Augmented Reality
 - Redmond, USA, August 20-22
 - <http://www.aes.org/conferences/2018/avar/>

Proposals for Workshops/Tutorials/Special Sessions

from last year:

- Evaluation of HRTFs and latency requirements (McGill, Makinzen with Jens Blauert)
 - differences in resolution
 - in multimodal VR scenarios
 - in presence of room noise
- perceptual tuning of artificial reverb
- workshop on spatial microphones ? (contact David Bowles)

New discussions:

- B-format processing (Christof Faller, Ville Pulkki, b<>com)
 - normalization not consistent across references
- personalized HRTFs estimation (3D Soundlabs, M. Parmentier)
 - IRCAM free SOFA HRTF database
- Workshop on Evaluation and Assessment of Spatial Audio without Reference
 - Nick Zacharov, Thomas Sporer, Mathieu parmentier, Patrick Flanagan
 - joint with TC Perception?
- Workshop on spatial microphones (H. Lee: tutorial and Workshop)

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

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/>.

