AES Technical Committee on Spatial Audio

Notes from the meeting of the TC at the 145th AES Convention, New York

Date: October 20, 2018, 10:00 am — 11:00 am
Attendees:

Karlheinz Brandenburg	Fraunhofer IDMT/TU Illmenau
Simon Calle	THX, Ltd.
Gavin Kearney	University of York
Vicki Melchior	Independent DSP Consultant
Schuyler Quackenbush	ARL
Kazuko Ono	NHK Japan
Yesenia Lacouture Parodi	Huawei Technologies
Thomas Sporer	Fraunhofer IDMT
Wieslaw Woszczyk	McGill University

Acting chair: Schuyler Quackenbush (standing in for Nils Peters)
Co-chair: Nils Peters, Sascha Spors (excused)

Activities at current AES event:

Immersive & Spatial Audio Track events, see www.aes.org/events/145/spatialaudio/?displayall

Report from recent Spatial Audio events:

2018 AES International Conference On Spatial Reproduction — Aesthetics And Science, Tokyo
2018 AES International Conference On Audio For Virtual & Augmented Reality, Redmond, US

Upcoming Spatial Audio events:

- Immersive and Interactive Audio, 2019 International AES Conference, York, UK
  - March 27-29, 2019
  - http://www.aes.org/conferences/2019/immersive/
  - submission deadline: 15th November 2018
- Headphone Technology, 2019 International AES Conference, San Francisco, CA, USA,
  - August 27-29, 2019
  - http://www.aes.org/conferences/2019/headphones/
  - submission deadline: February 11, 2019
- AES Dublin
  - http://www.aes.org/events/146/
  - submission deadline
    - papers, workshop, tutorials: November 5 2018

- e-briefs: January 7 2019

Proposals for Workshops/Tutorials/Special Sessions

ideas from last year:

- Workshop on Evaluation and Assessment of Spatial Audio without Reference (together with TC Perception?)
  - Attendees indicated that TC Perception will do this.
- Workshop on spatial microphones
  - Attendees suggested that Hyunkook Lee might be able to chair this.
- Personalized HRTFs estimation
  - Attendees noted that this would be well attended
  - Must have both pro and con perspectives
  - Patrick Flanagan (ThX), Karlheinz Brandenburg (FhG-IDMT), Yesenia Lacouture Parodi (Huawei) volunteered to work on this.
- Perceptual tuning of artificial reverbs
  - Karlheinz Brandenburg (FhG-IDMT) will investigate this topic. Wieslaw Woszczyk (McGill University) and Jonas Braasch (RPI) would also be able to help.

The Chair noted that this TC, along with TC-Coding of Audio Signals, could sponsor:

- Can Ambisonics work for 6DoF?"
  - Panel of Ambisonics evangelists (or not)
  - Discuss how Ambisonics would work when user position is not mic position
  - Cover multiple microphones
  - Gavin Kearney (York), noted that this has been covered in an ebrief at this convention, but there is still room for more discussion.

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/.