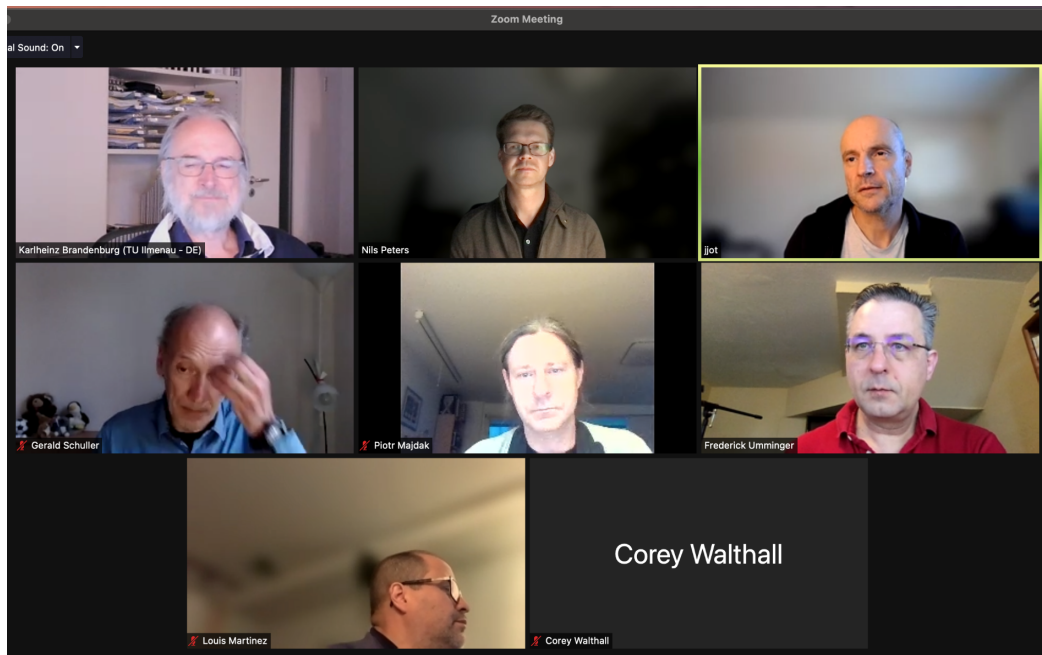# AES Technical Committee on Spatial Audio

Notes from the meeting of the TC at the 151th AES Convention, virtual

Date: October 12, 2021, noon - 1 pm Easter Time

Attendees:

Chair: Nils Peters

Activities at current AES event:

- Two workshops by TC-SA members:
  - Jean-Marc Jot et al.: Spatial Audio Rendering for Interoperable XR Applications in the Audio Metaverse
  - Gerald Schuller et al.: Deep Learning for Audio Signal Processing, with Python and Pytorch Examples Tutorial

Report from recent Spatial Audio events:

- I3DA Bologna (International Conference on Immersive and 3D Audio)
  - 8-10 September 2021
  - https://www.i3da.eu/
  - 100-150 online attendees
- DAGA, Vienna
  - 5 - 18 August 2021
  - https://www.dega-akustik.de/daga-2021
  - hybrid: 700 attendees in presence, 300 attendees online
  - 14 sessions in parallel, 3 workshops
  - several SA-focused sessions

Upcoming Spatial Audio events:
- ICA, October 2022 Korea
- ICASSP, Singapore 2022
- WASPAA 2021, next week

Proposals for Workshop/Tutorials/Special Sessions

- Review of 149th meeting minutes:
  - Patrick Flanagan: Challenges in Spatial Audio for gaming (together with TC of Gaming Audio)
  - A recurring tutorial on the basics of spatial audio would be needed
    - Ville Pulkki has material
  - Tutorial or workshop focused on immersive site-specific installations:
    - China's shows, Radio France multi-immersive productions, museums and other specific experiences like escape rooms
    - contact Jeff Levison
  - On the impact of low bit-rate codecs on spatial perception
    - joined workshop with TC for Audio Coding
  - Workshop on new findings in spatial perception
    - Externalization/Distance
    - Multimodal spatial perception
    - screen size vs. immersion
    - hearing loss and spatial perception
    - Christof Faller is interested in this
- New Proposal: panel discussion on the "differences and commonalities of spatial audio and immersive audio" (Steve Hunt)

AOB

- Cleanup of member directory

- New ebook on 3D Audio by AES members:
    - https://www.routledge.com/3D-Audio/Paterson-Lee/p/book/9781138590069
- Awards
    - AES awards and fellowships recommendations are open
    - 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/.

Closing of meeting around 13:04 PM Eastern Time