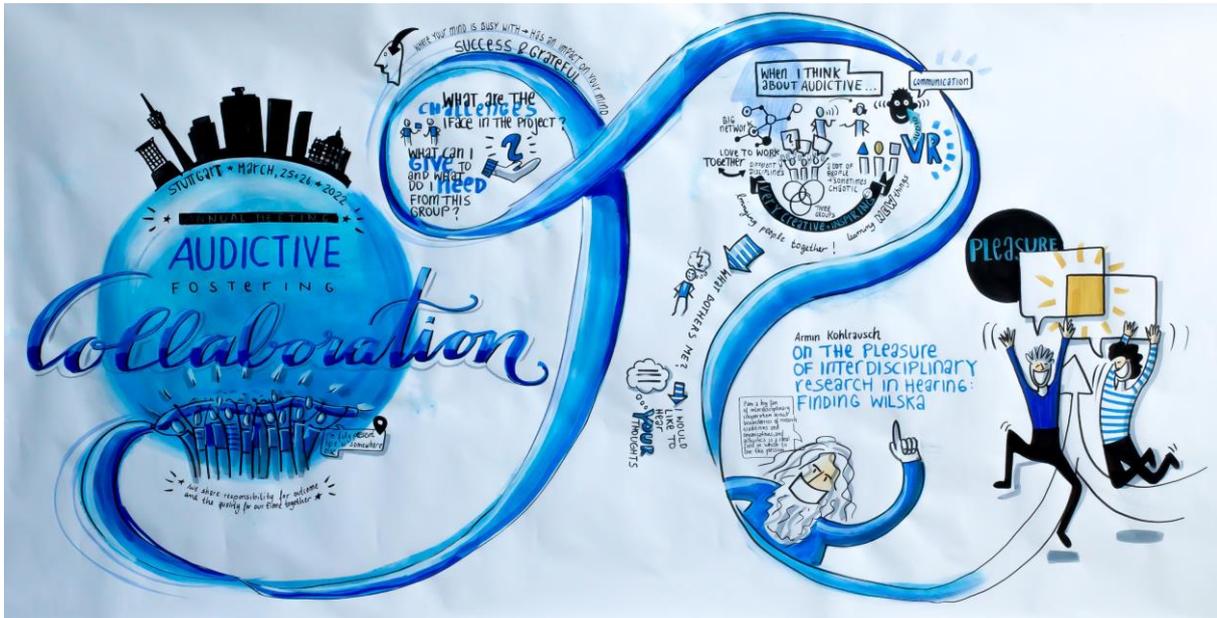


SPP2236 AUDICTIVE – Spring Meeting, March 25+26, 2022



Graphic Recording by Martina Grigoleit

Prof. Dr. rer. nat. Armin Kohlrausch ist am 25.03.2022 plötzlich und unerwartet im Alter von 68 Jahren verstorben.

Er hat die Geschicke der Akustik über mehrere Jahrzehnte maßgeblich mitgeprägt.

Für seine großen Verdienste um die Wissenschaft hat die DEGA ihm im Jahr 2017 ihre höchste Auszeichnung, die Helmholtz-Medaille, verliehen. Mit ihm verlieren wir einen geschätzten und lieben Kollegen, der durch seine außerordentliche Fachkompetenz und seine unkonventionelle Lockerheit viel zur Attraktivität unseres Fachgebietes beigetragen hat.

Wir werden ihn sehr schmerzlich vermissen.

Schedule for March 25 - tentative:

- * 8:45 **ARRIVE at Pfaffenwaldring 9, ground floor, Zeichensaal 0.267**
Coffee & snacks are provided during the entire day
- * 9:00 Welcome and orientation
- * 10:45 **Break**
- * 11:00 Presentation: Armin Kohlrausch "*On the pleasure of interdisciplinary research in hearing: finding Wilska*", streamed via Zoom for everyone who is not on site (links are sent via email)
- * 12:30 **Lunch break – catering on site**
- * 13:30 Presentation of timeline posters
- * 14:30 Working groups
- * 15:30 **Break**
- * 15:45 Exchange on playback systems
- * 16:45 Wrap-up & Conclusion
- * 17:00 **END**

Schedule for March 26 - tentative:

- * 8:45 **ARRIVE at Pfaffenwaldring 9, ground floor, Zeichensaal 0.267**
Coffee & snacks are provided during the entire day
- * 9:00 Welcome and orientation
- * 9:30 Presentation: Alexander Raake "*Quality of Experience for IVEs and XR technology -- an AUDICTIVE perspective*", streamed via Zoom for everyone who is not on site (links are sent via email)
- * 10:15 **Break**
- * 10:30 Working groups
- * 12:00 Wrap-up & Outlook
- * 13:00 **END**

ABSTRACTS:

Armin Kohlrausch: On the pleasure of interdisciplinary research in hearing: finding Wilska

In my presentation, I want to share some of my experiences with interdisciplinary research. Being trained as physicist, which brought me into acoustics and in particular its perceptual side, I got early on interested in (neuro)physiological research and the interesting differences in hearing abilities across animals. Throughout my career, I switched working environments a few times, and experienced to be the perceptual expert (the softy) in a physical or technical group covering many acoustic subdisciplines, to be the auditory specialist in an environment covering many perceptual modalities, but also to be the most technical and hard-science representative in a group covering many psychological subdisciplines. And because all of my work environments had played a prominent role in the history of acoustics, I started to get interested in the history of science of our field, where I made one major contribution: finding Wilska, a researcher who should be known to every spatial hearing scientist.

Alexander Raake: Quality of Experience for IVEs and XR technology -- an AUDICTIVE perspective

The talk will give an introduction to concepts of Quality of Experience for interactive virtual environments (IVEs) and eXtended reality (XR) applications, for the context of the AUDICTIVE SPP. Besides media quality (audio, visual, other), other constituents of QoE such as presence and simulator sickness are considered. An overview of QoE evaluation methods will be provided, covering both direct, questionnaire-based and indirect approaches, that is, based on behavior or physiological data. In the AUDICTIVE context, ``experiencing'' itself represents a cognitive performance. Moreover, other cognitive performances addressed in AUDICTIVE can serve as QoE evaluation criteria. The talk forms part of AUDICTIVE's intent to contribute to the evaluation of IVE and XR technology, both with its individual projects and the central coordination measures. Here, the talk shall contribute to fostering a QoE-related exchange between research groups, developing evaluation methods and collecting research data.