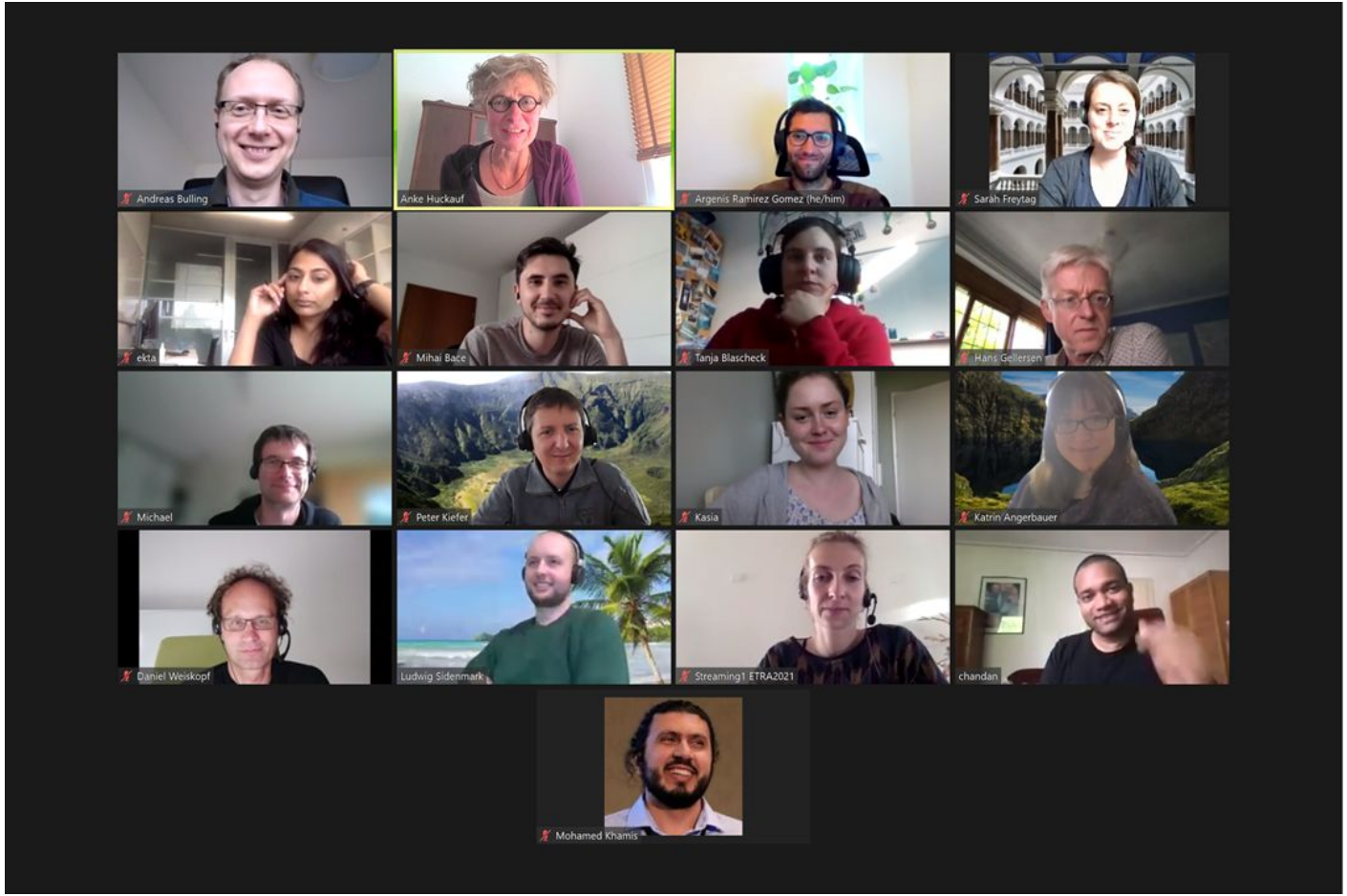
Screenshots taken during ETRA 2021

A collaborative document

organizing


Andreas Bulling
Anke Huckauf
Argenis Ramirez Gomez (he/him)
Sarah Freytag
ekta
Mihai Bace
Tanja Blascheck
Hans Gellersen
Michael
Peter Kiefer
Kasia
Katrin Angerbauer
Daniel Weiskopf
Ludwig Sidenmark
Streaming1 ETRA2021
chandan
Mohamed Khamis

Organizing II

Welcome

Conference Platform: MeetAnyway

Make use of the social meeting facilities any time – it´s fun!

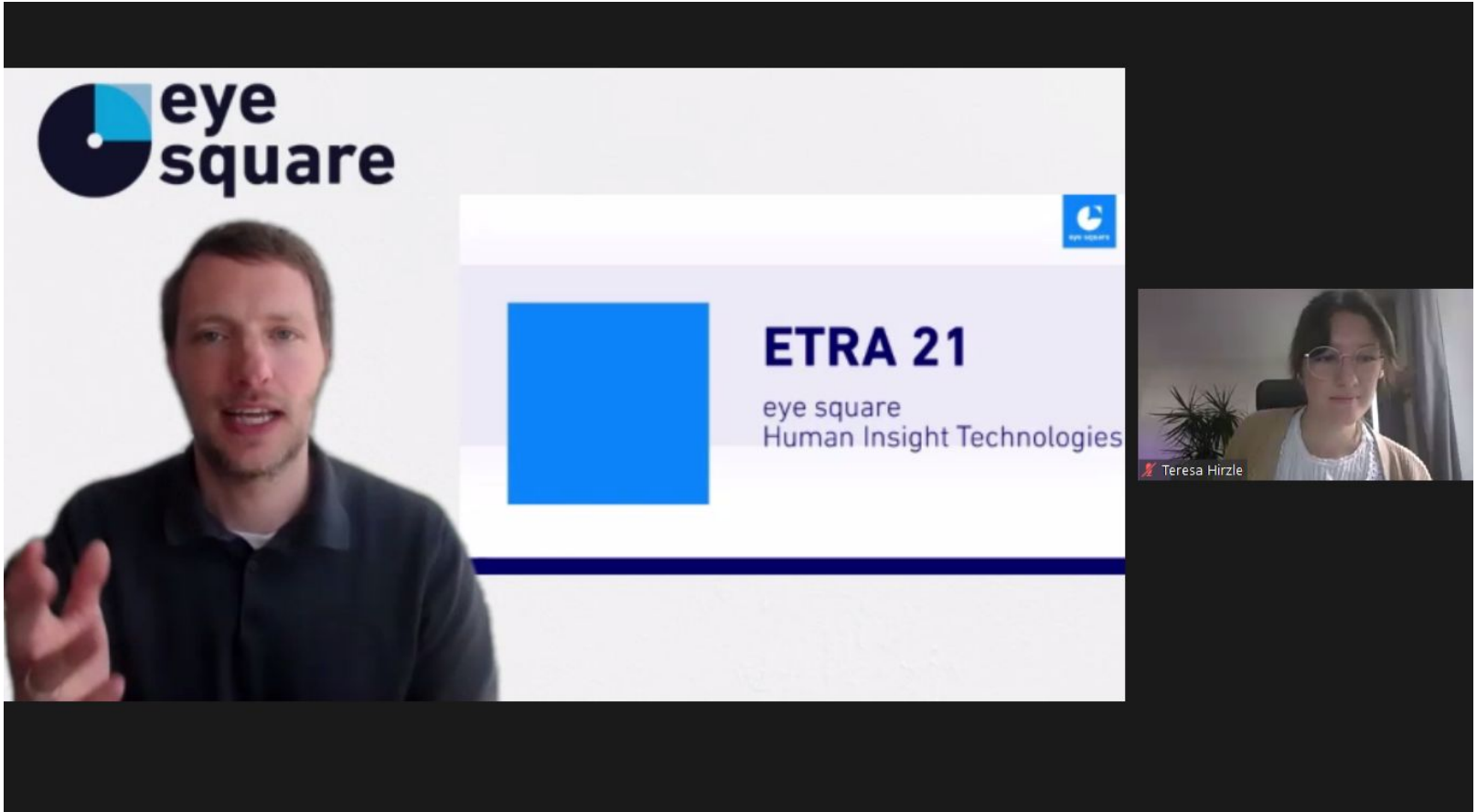
Have a virtual coffee break with colleagues

Visit sponsor booths

Make new friends

Enjoy!

Sponsors1 EyeSquare

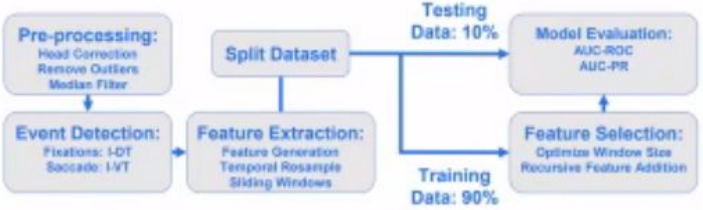


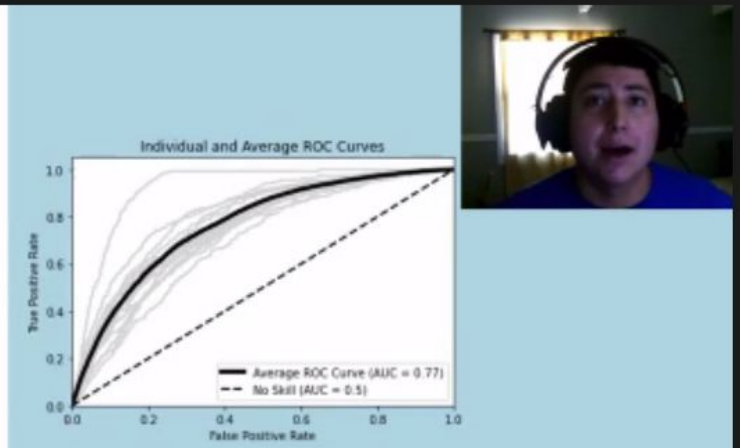
Short Paper Previews

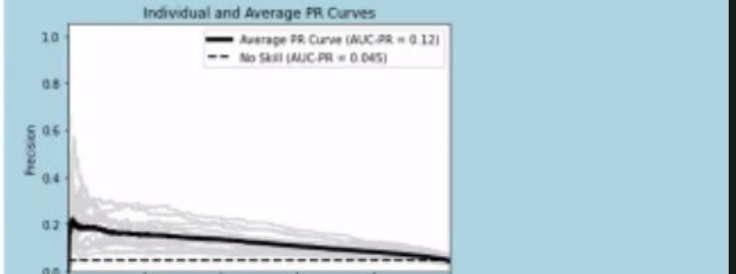
Predicting intent to interact

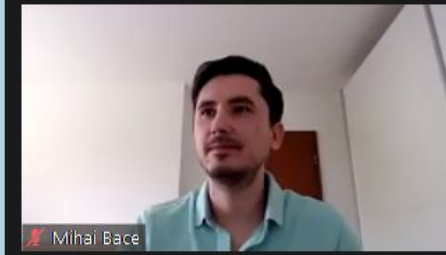
Find us during the Poster Sessions for more details.

Contact: brendanjohn@ufl.edu







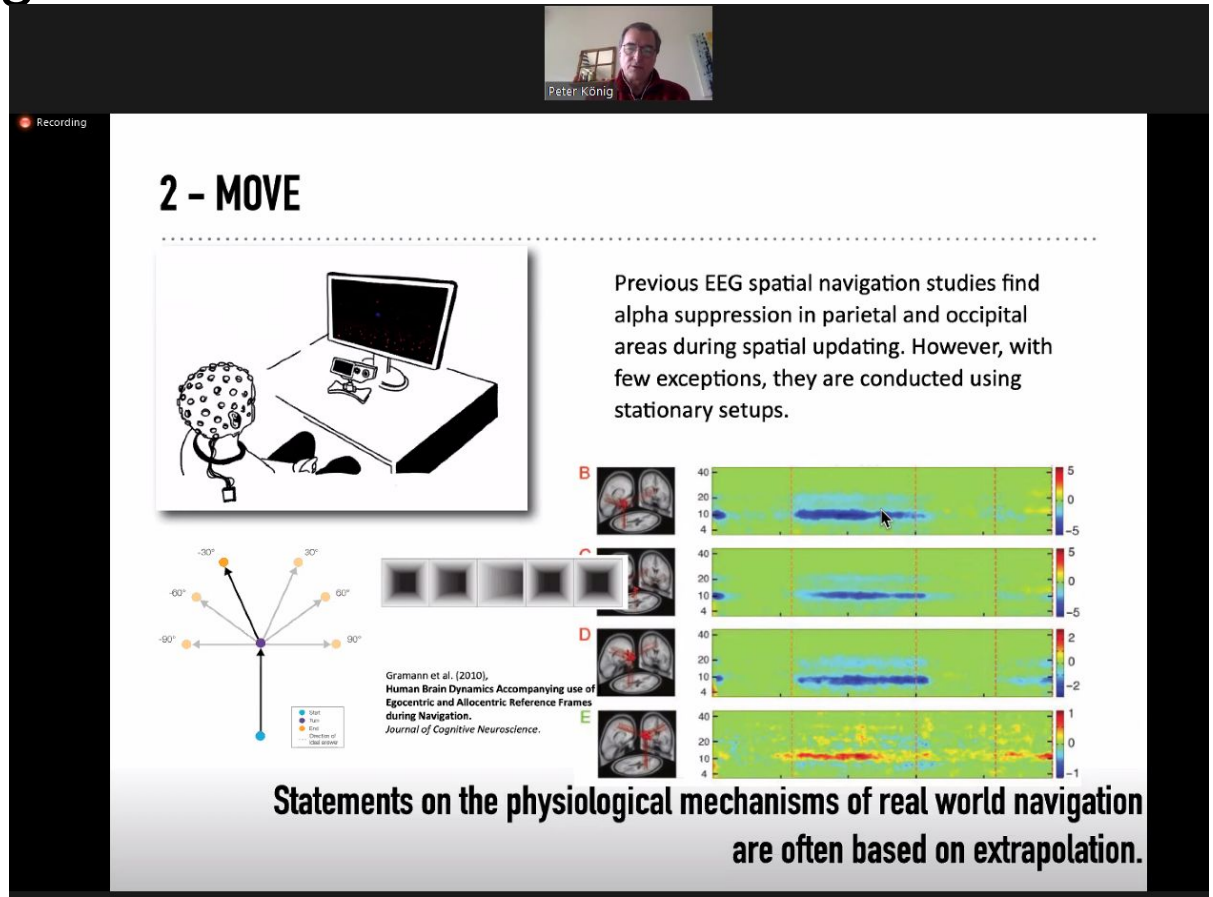


Keynote I Peter König

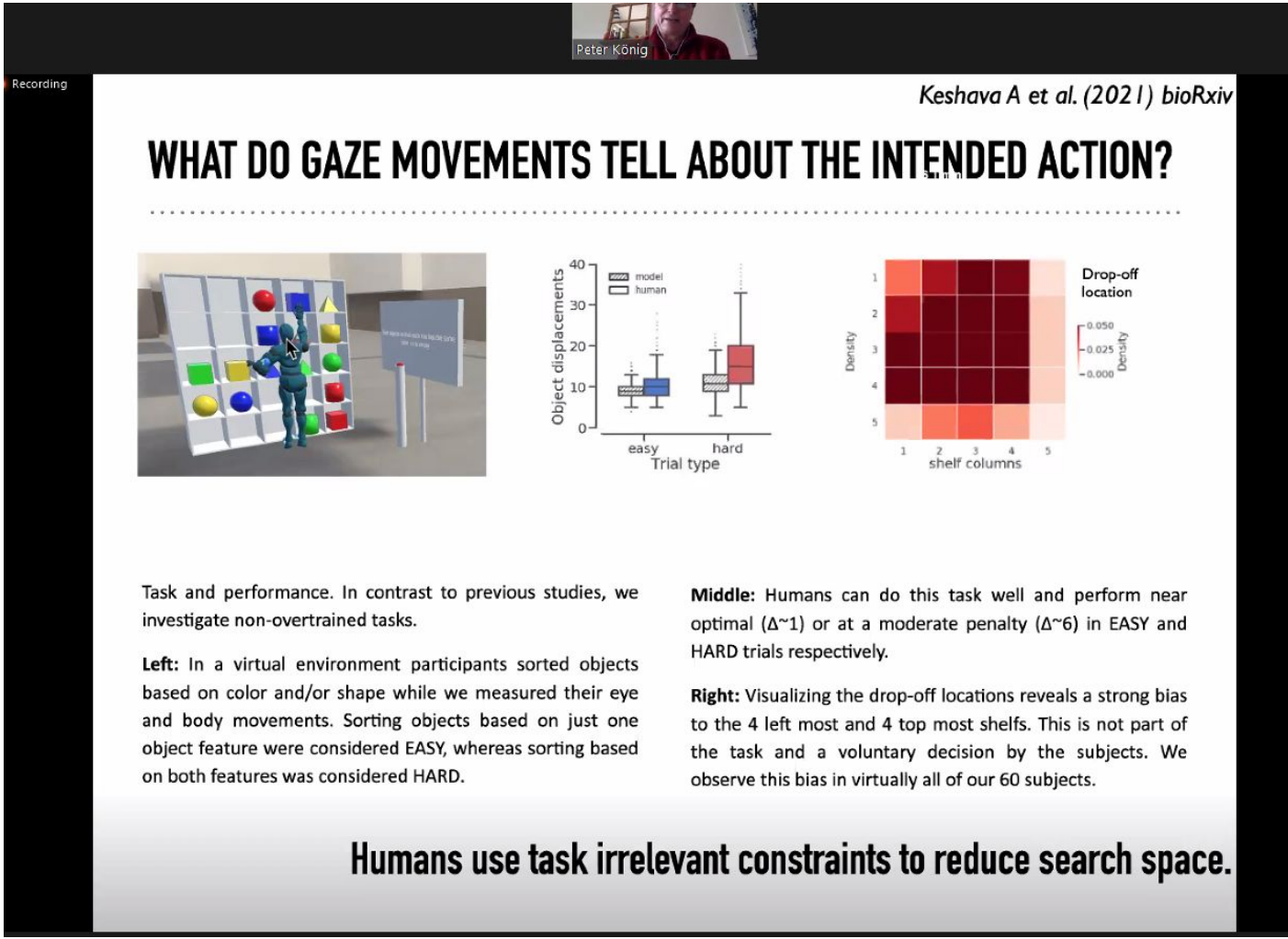
Amazing introduction

Keynote Peter König 2

On the role of
embodied cognition

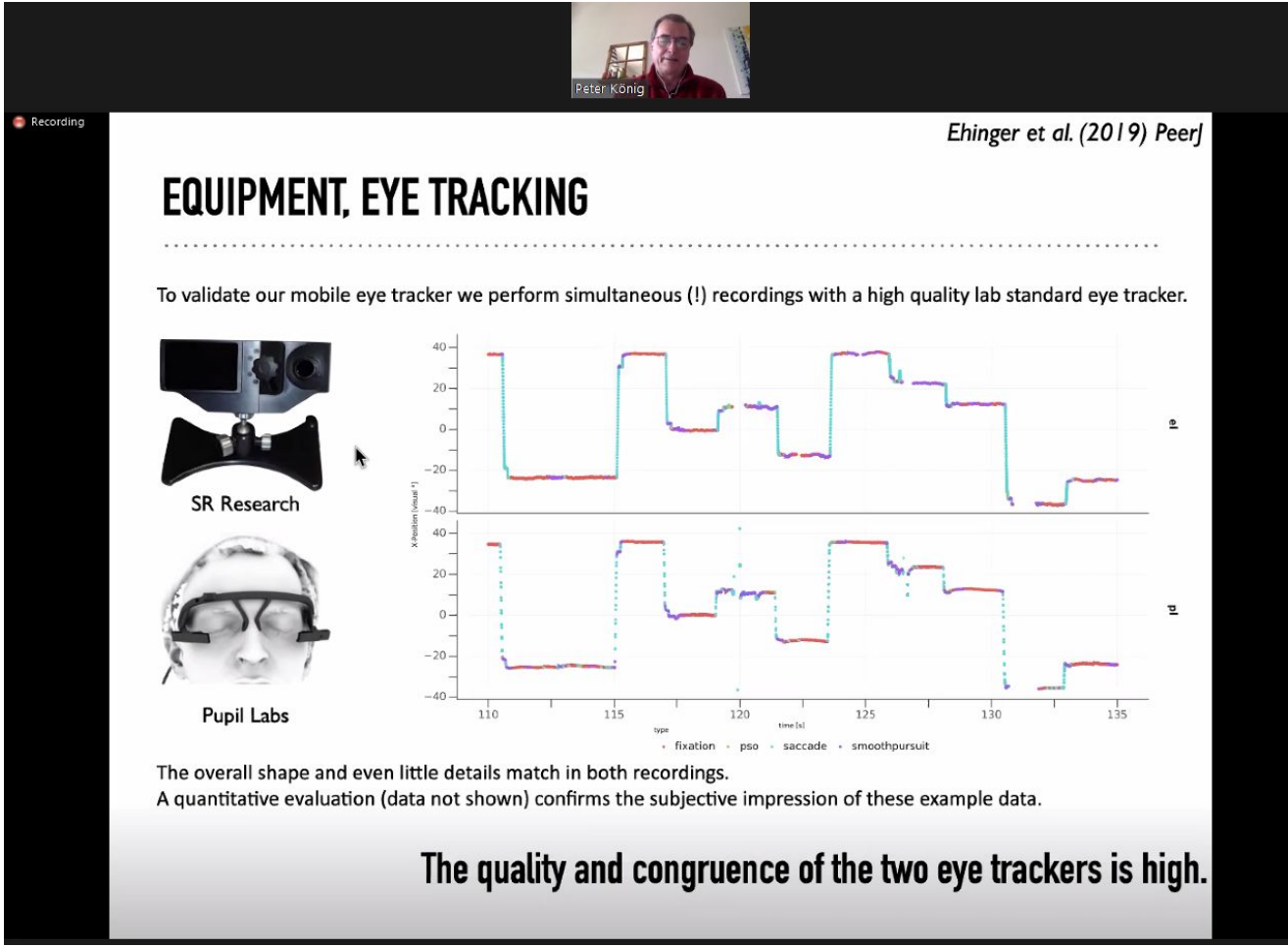


KeyNote 1 - Peter König



Keynote Peter König 3

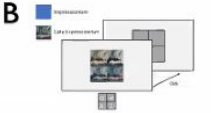
Comparison of Eye Trackers

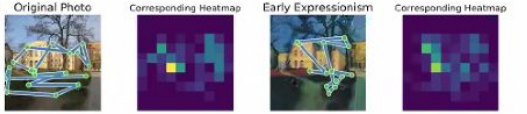


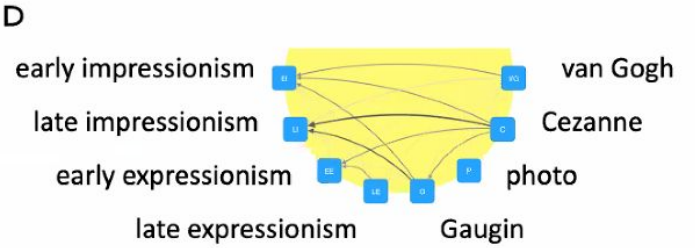
Keynote 1
Peter König

Clay V et al. (2020) JEMR

A QUANTITATIVE ANALYSIS OF THE TAXONOMY OF ARTISTIC STYLES



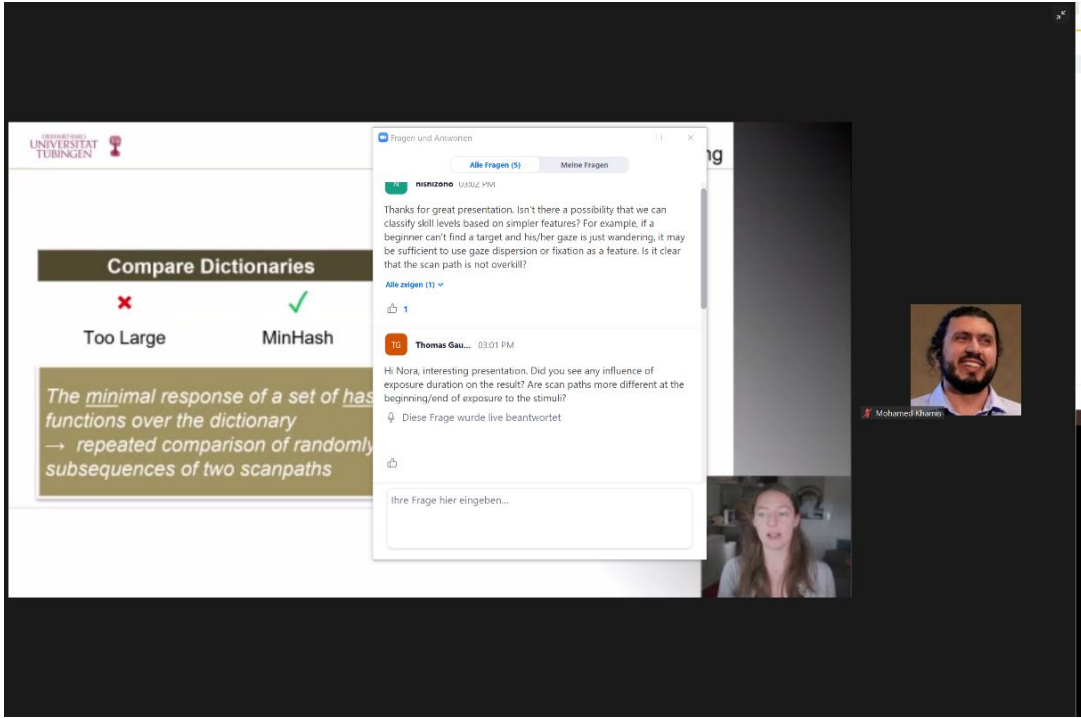


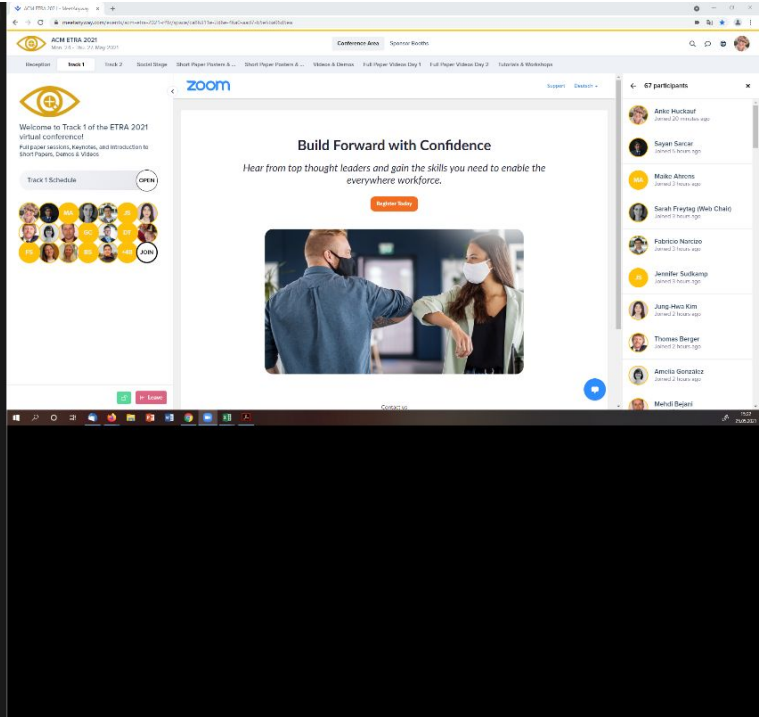


A. By style transfer we create variations of base images in 7 different .
B. These are used in a pop-out experiment (Does Van Gogh pop-out of Cezanne?),
C. and an eye-tracking experiment. (Induce Van Gogh and Cezanne similar scan paths?).
D. The hierarchical relation is transitive!

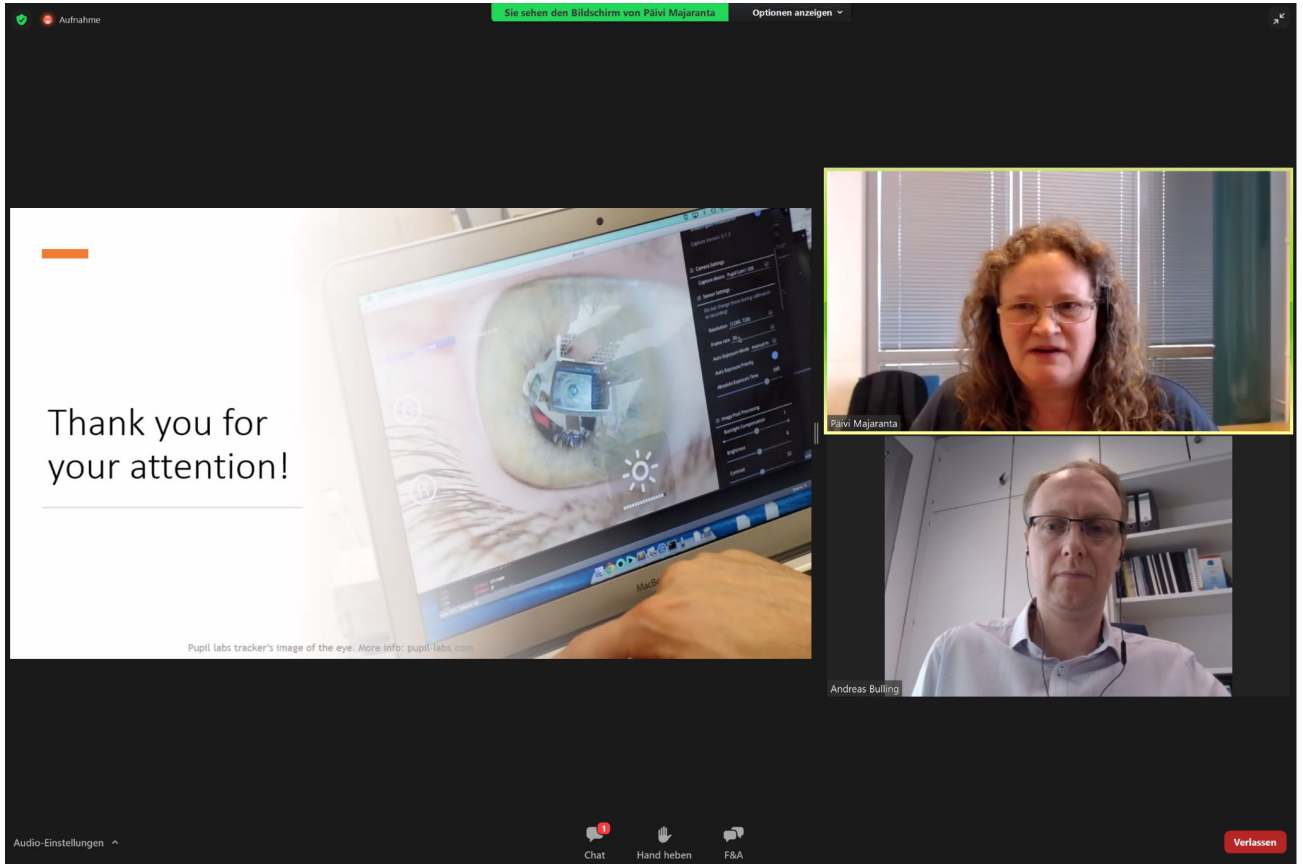
We can use measurement of eye movements (and pop-out) for an objectively defined taxonomy of artistic styles.

Session 2

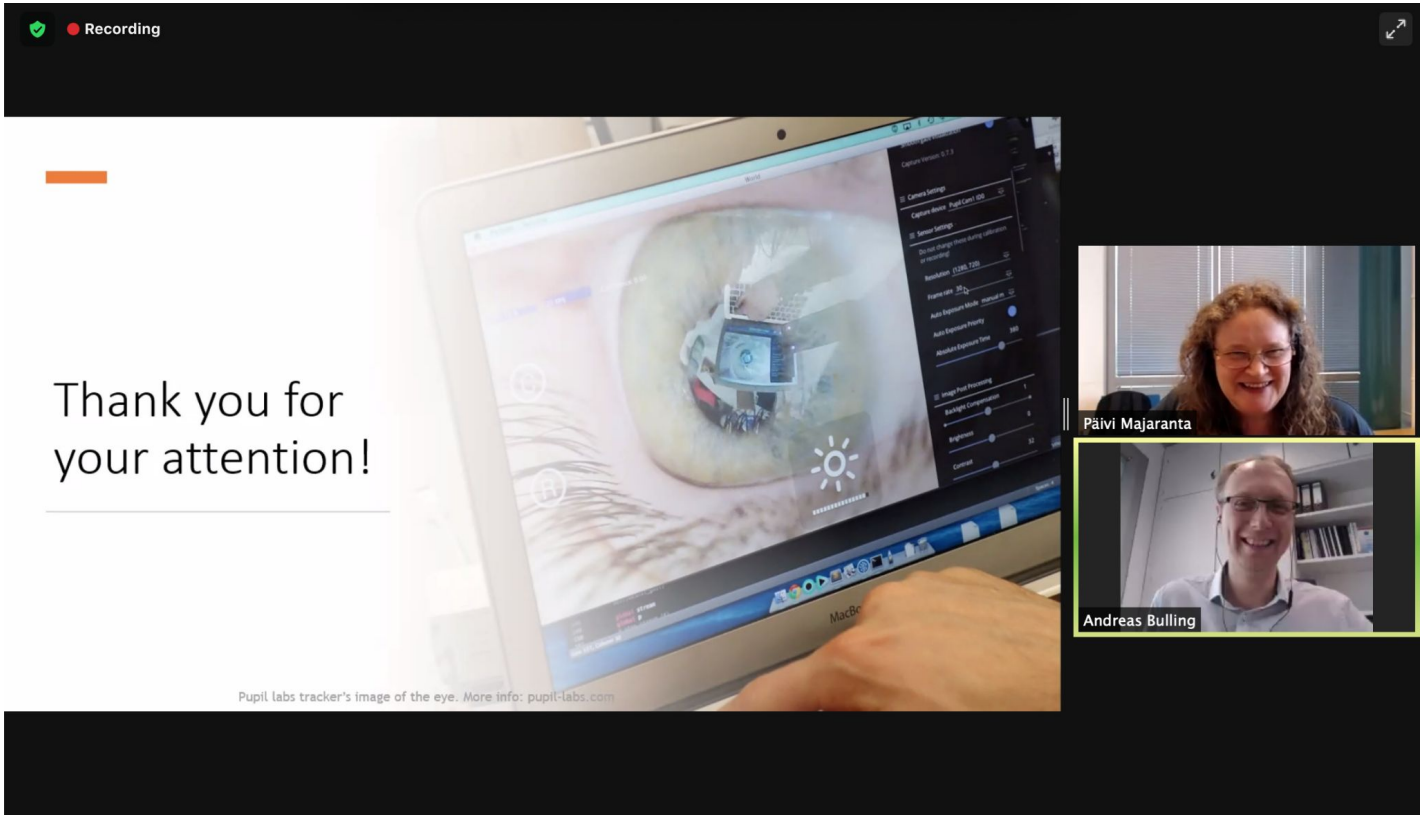

UNIVERSITÄT TÜBINGEN
Compare Dictionaries
Too Large
MinHash
The minimal response of a set of has
functions over the dictionary
→ repeated comparison of randomly
subsequences of two scanpaths
Fragen und Antworten
Alle Fragen (5)
Meine Fragen
nishizono
Thanks for great presentation. Isn't there a possibility that we can classify skill levels based on simpler features? For example, if a beginner can't find a target and his/her gaze is just wandering, it may be sufficient to use gaze dispersion or fixation as a feature. Is it clear that the scan path is not overkill?
Alle zeigen (1)
Thomas Gau... 03:01 PM
Hi Nora, interesting presentation. Did you see any influence of exposure duration on the result? Are scan paths more different at the beginning/end of exposure to the stimuli?
Diese Frage wurde live beantwortet
Ihre Frage hier eingeben...
Mohamed Khamis


ACM ETRA 2021
zoom
Welcome to Track 1 of the ETRA 2021 virtual conference!
Track 1 Schedule
OPEN
JOIN
Build Forward with Confidence
Hear from top thought leaders and gain the skills you need to enable the everywhere workforce.
Register Today
67 participants

Awesome keynote by Päivi Majaranta



Awesome keynote by Päivi Majaranta



Awesome keynote by Päivi Majaranta

User Experience

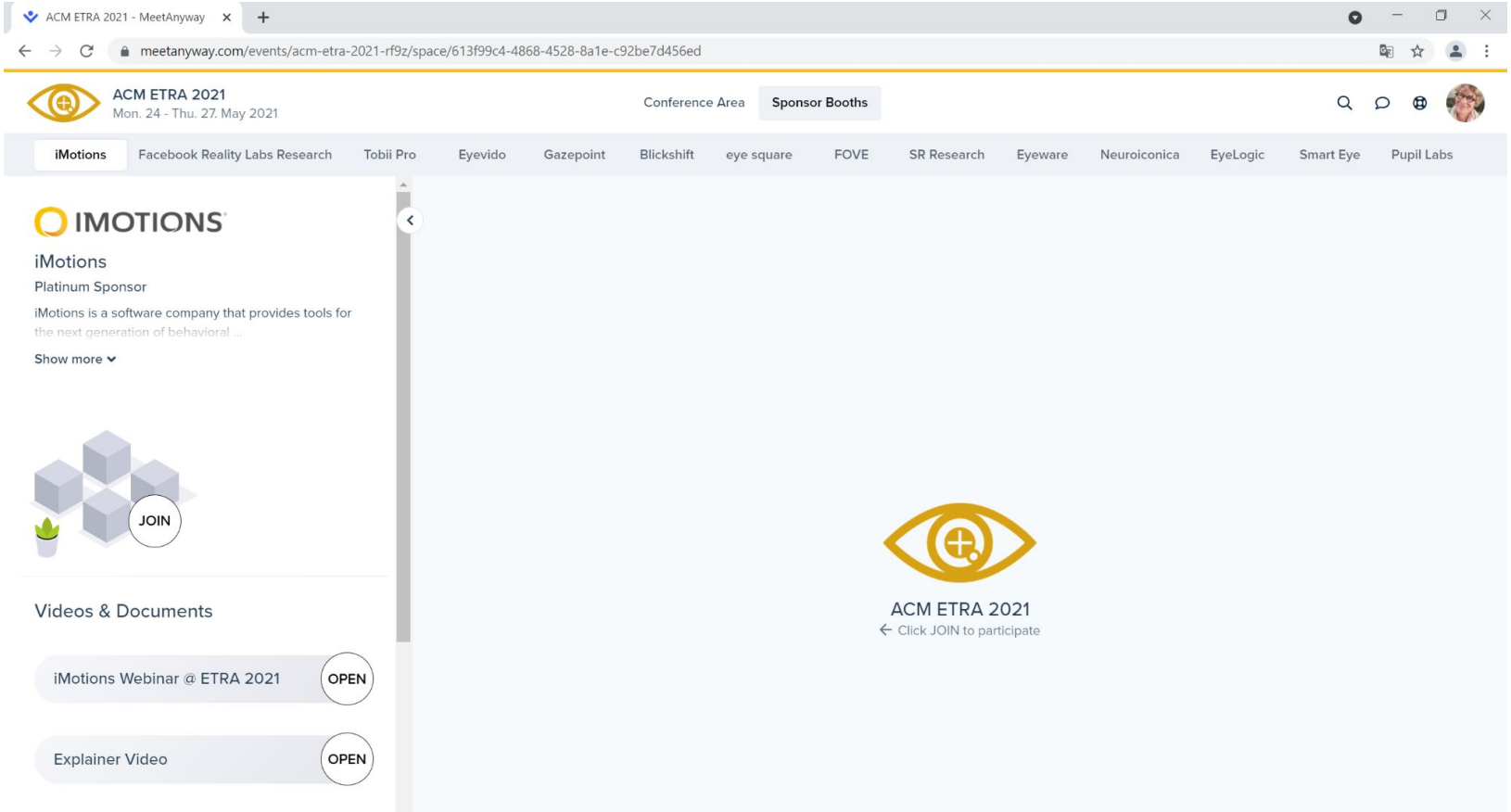
- Usability
- Customizability
- Social norms
  - ability to maintain gaze contact
  - dwelling on people might be rude
- Acceptability
  - abnormal eye movements in public
  - self-consciousness
  - privacy, safety, etc.

More research on the UX aspects is needed!

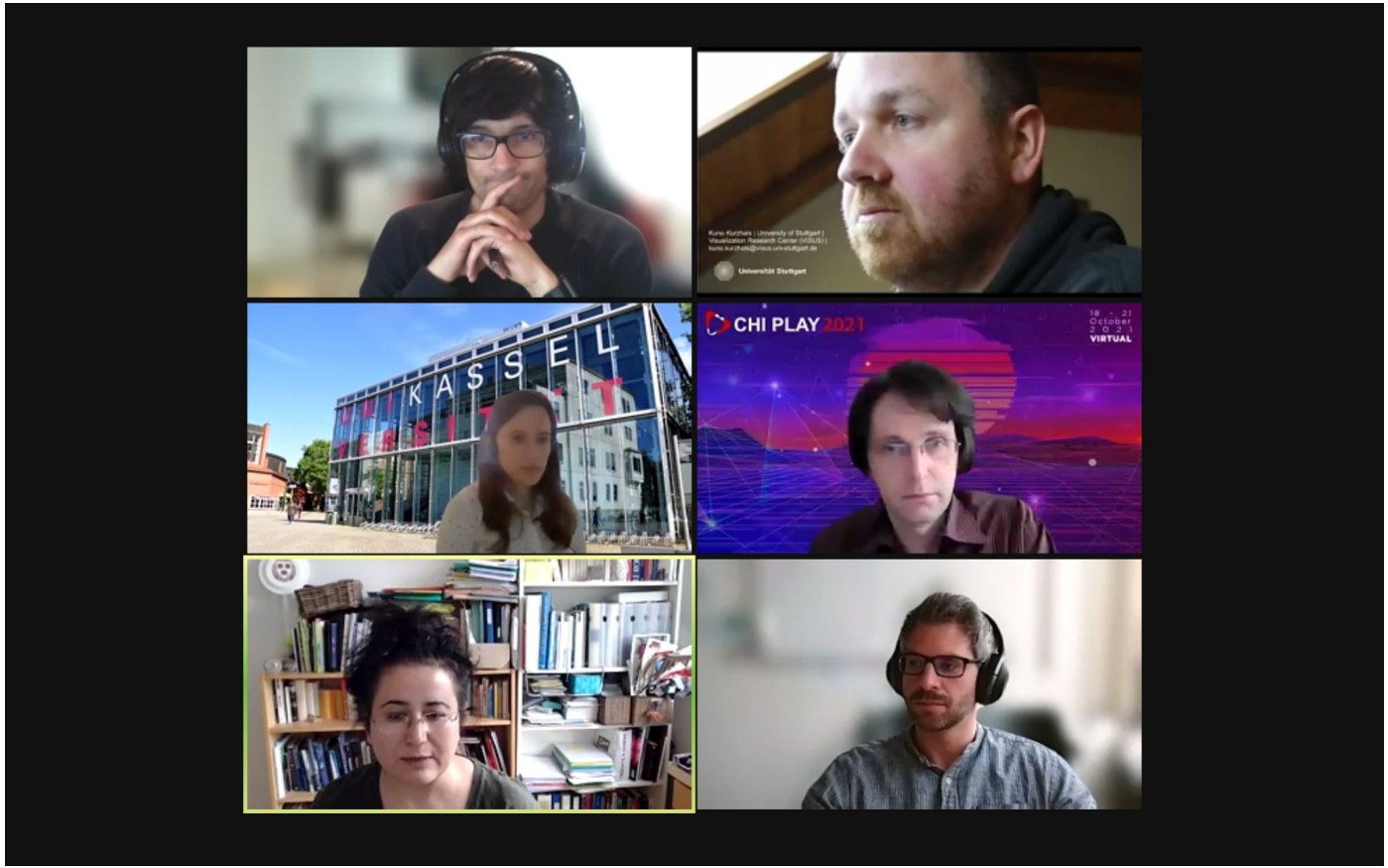
Akkil et al. (NordiCHI 2016), Majaranta et al. (2011), Majaranta et al. (2019), Mele & Federici (2012)

Learn more: www.cc.gatech.edu/fac/Thad.Starner

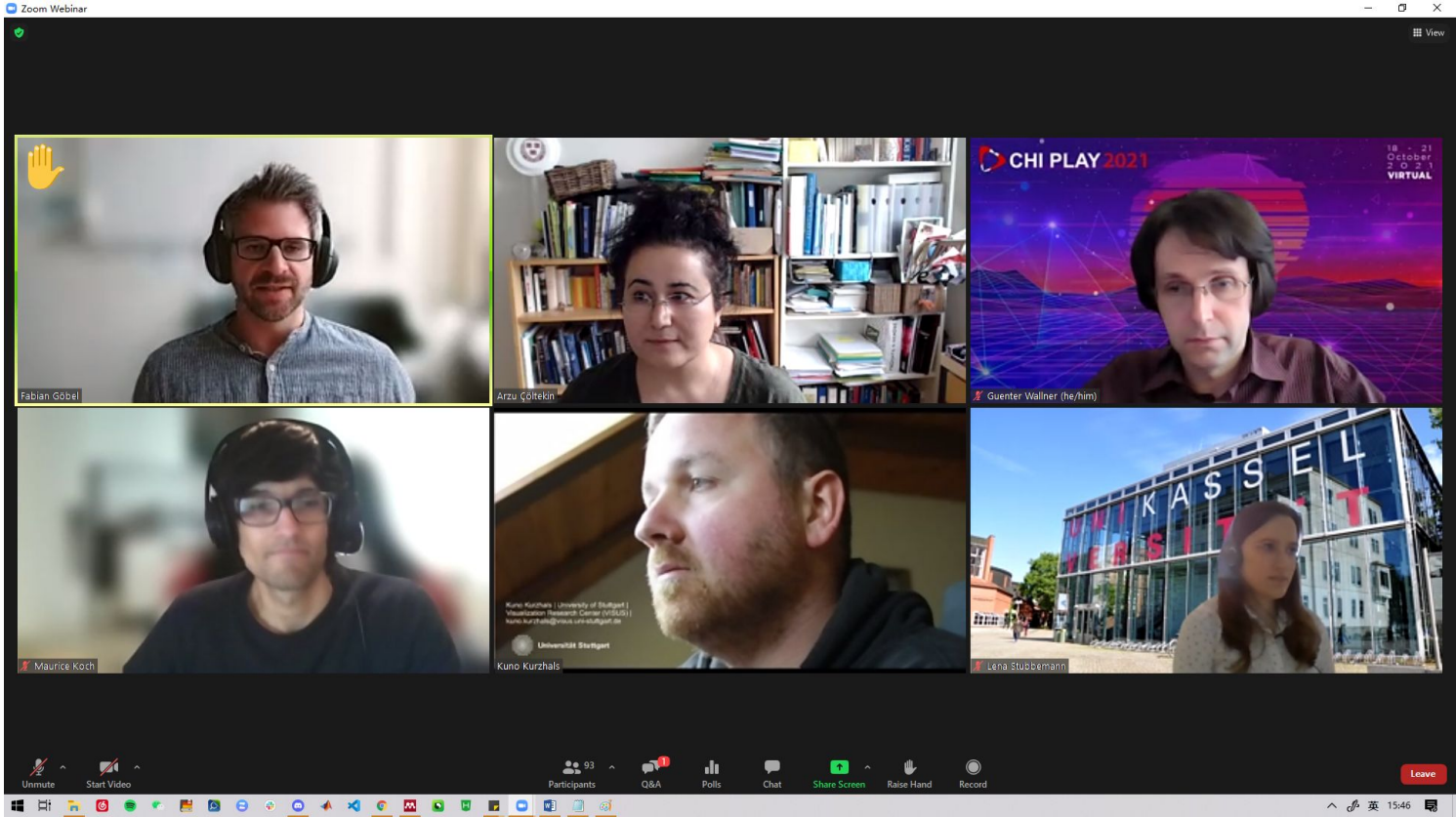
Our sponsor floor



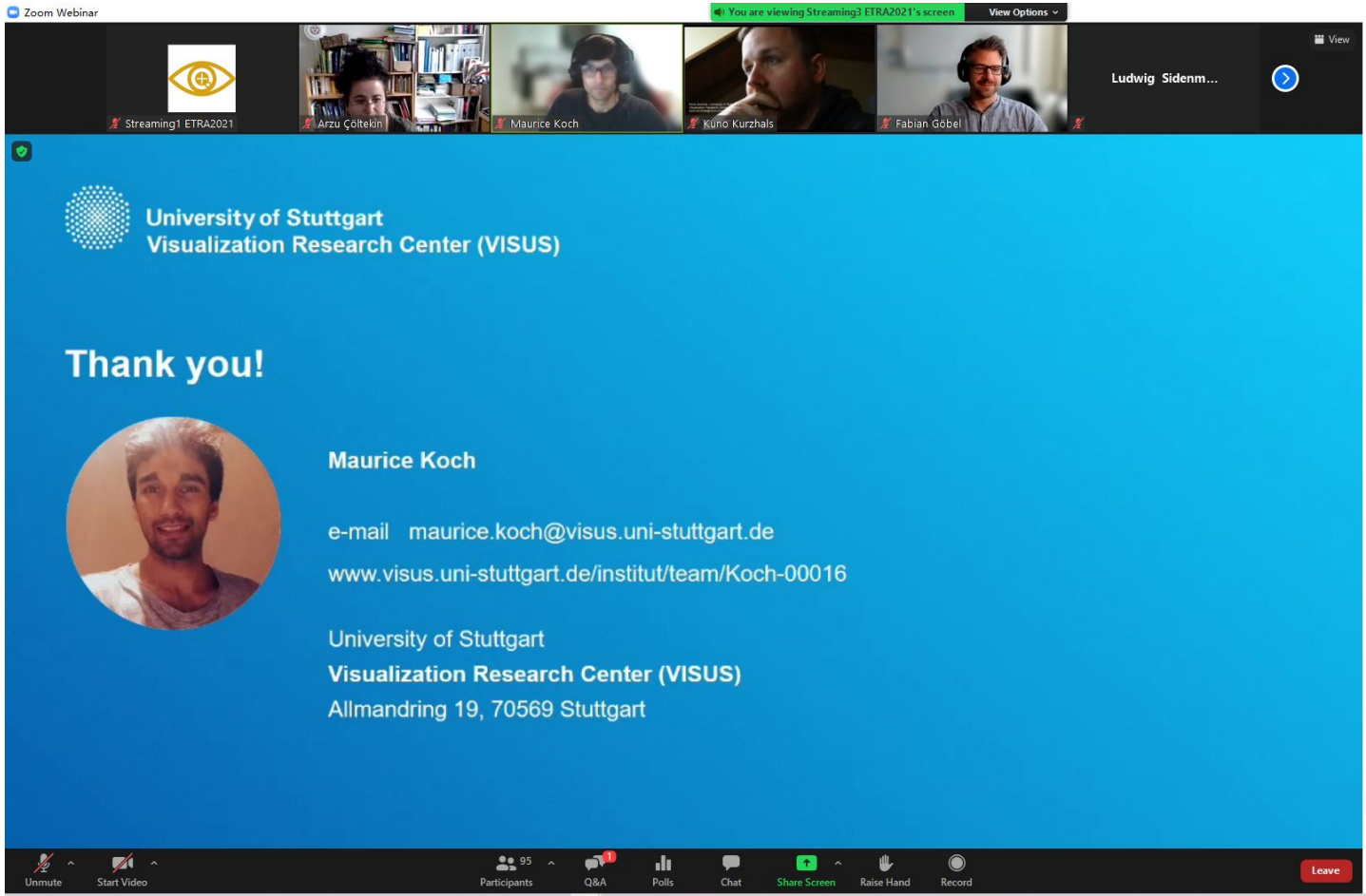
Session V



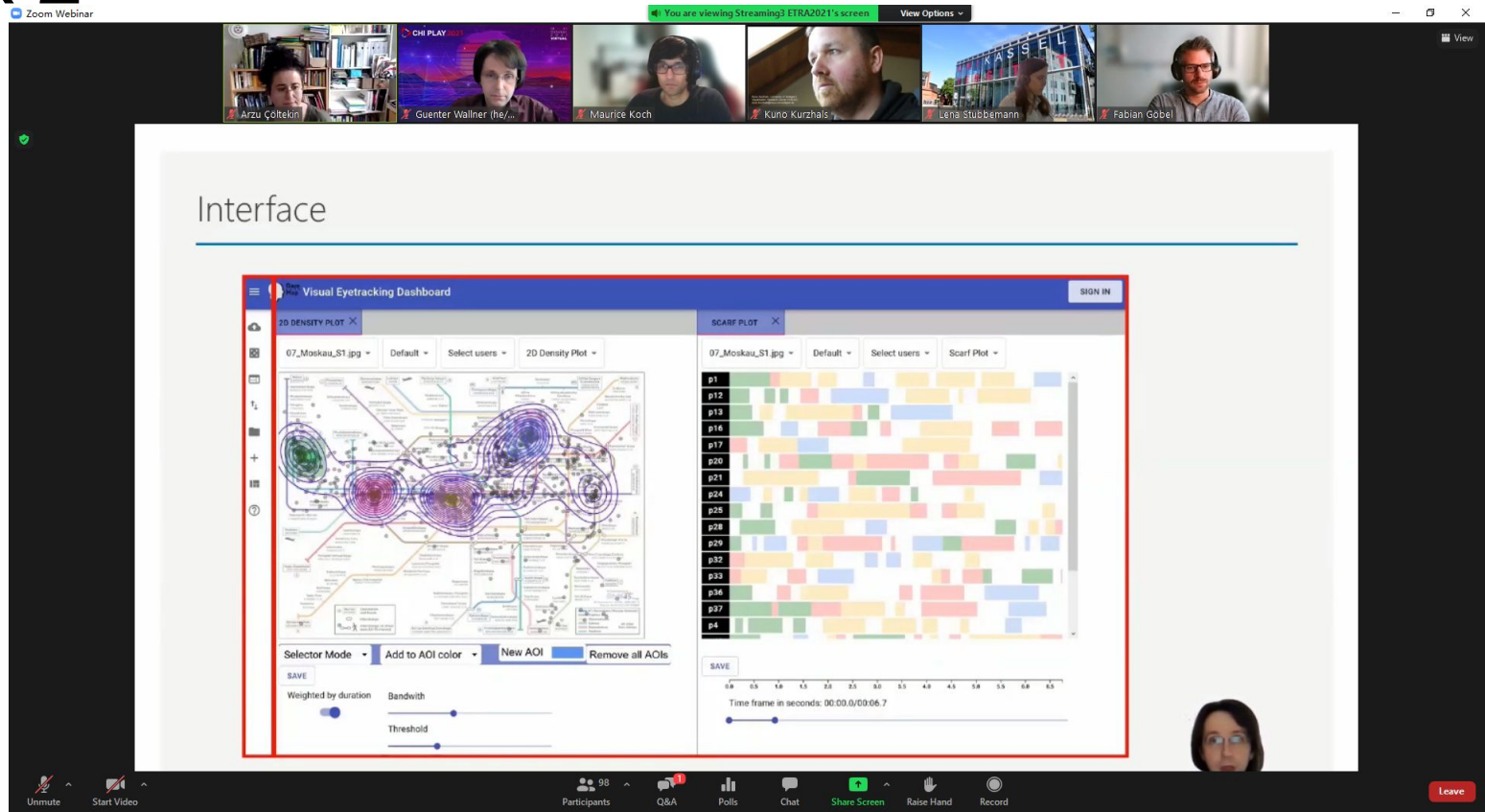
Full Papers 5 Discussion



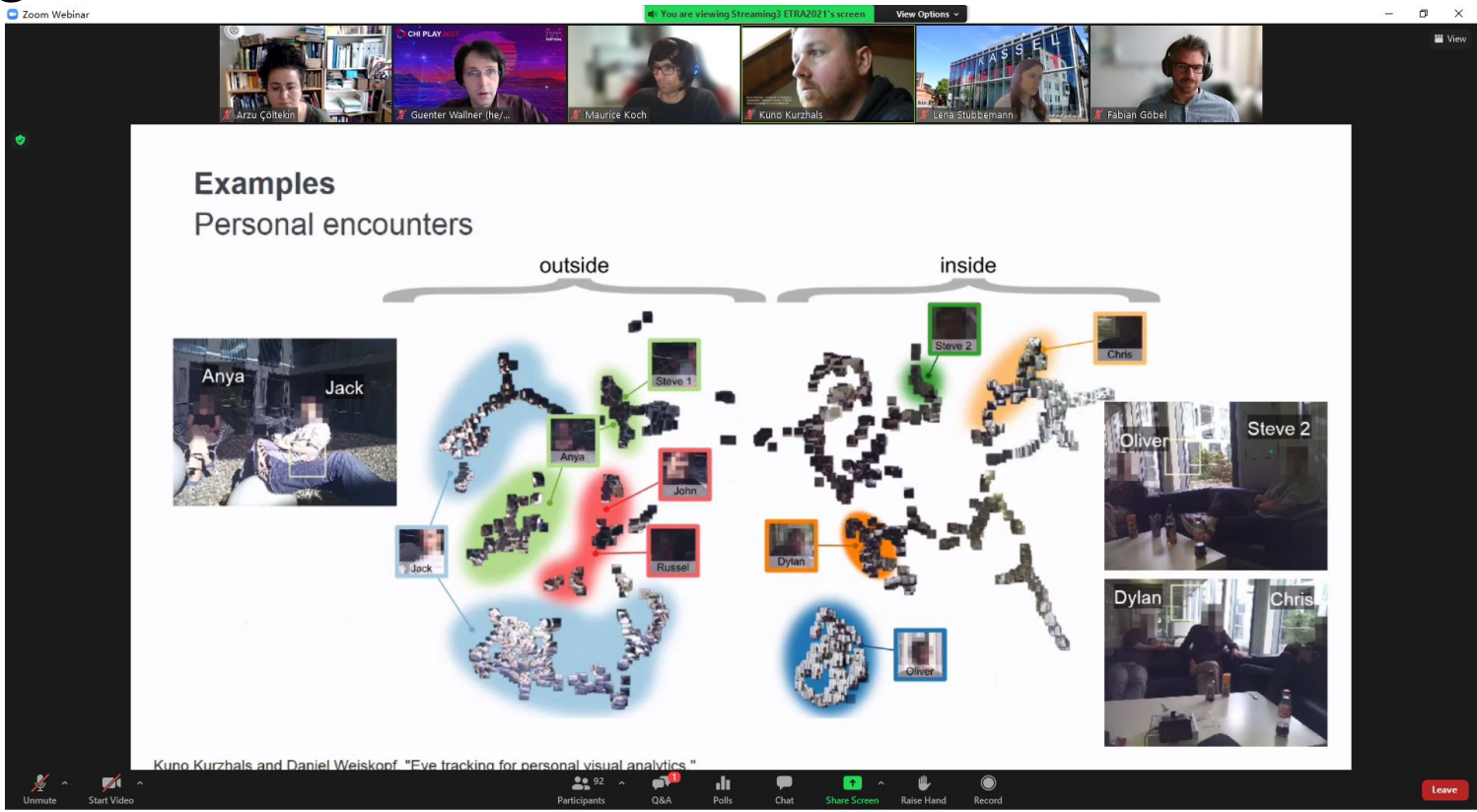
Full Papers 5
Talk 1



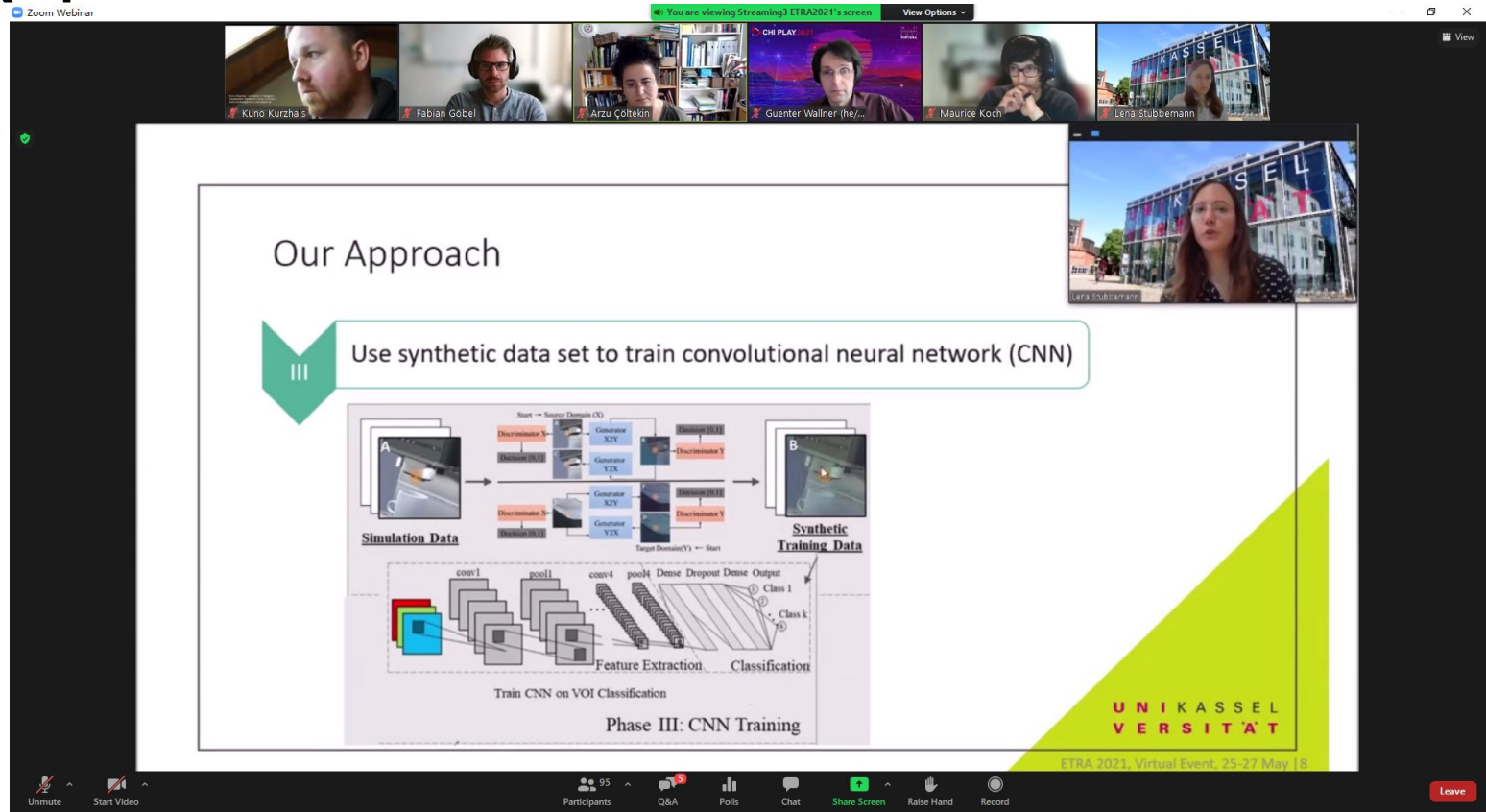
Full Papers 5
Talk 2



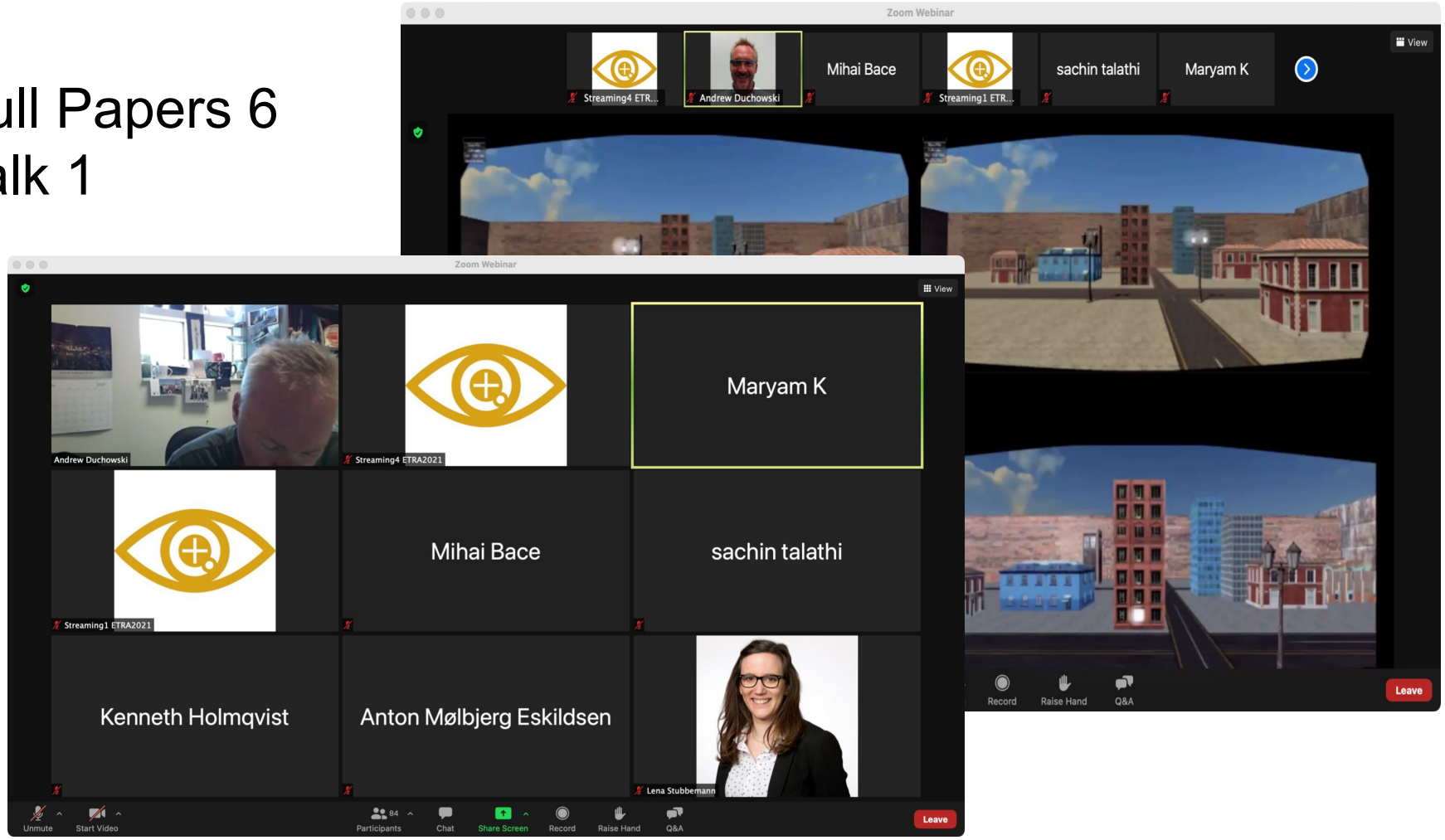
Full Papers 5
Talk 3



Full Papers 5
Talk 4

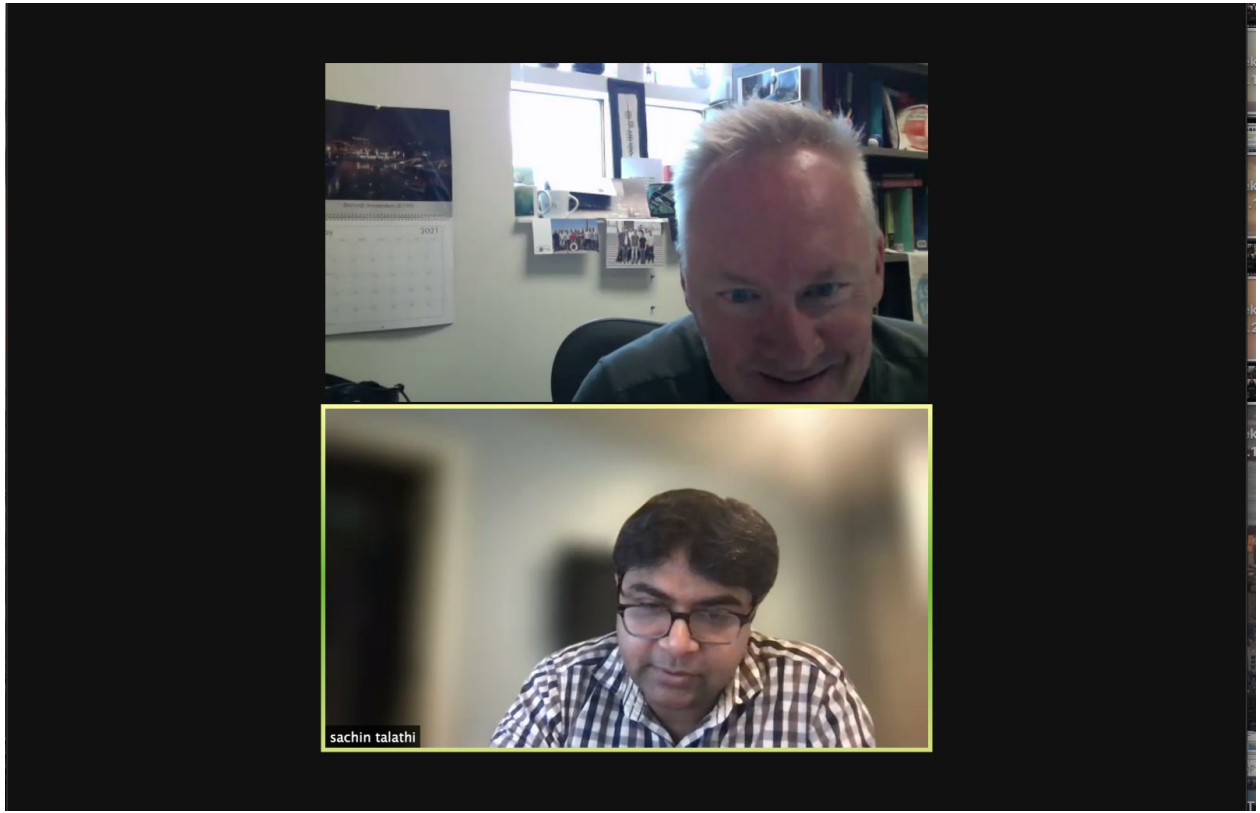


Full Papers 6
Talk 1

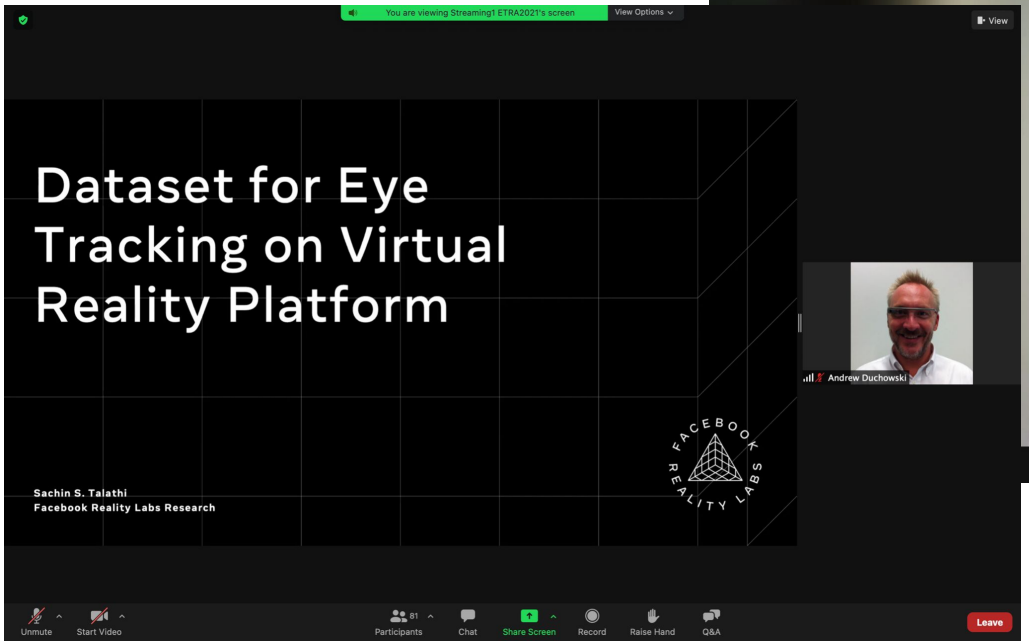


Full Paper VI

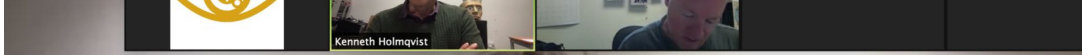
Talk 2



Full Papers 6
Talk 2

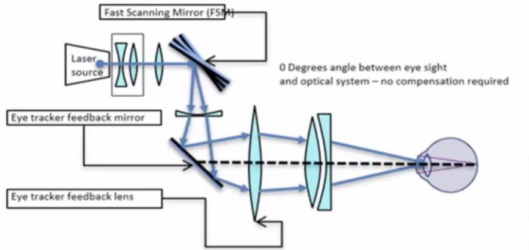


Full Papers 6
Talk 3



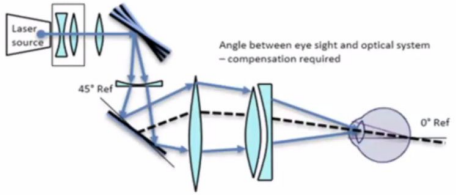
Direct Retinal Projection

Printing with laser on the retina



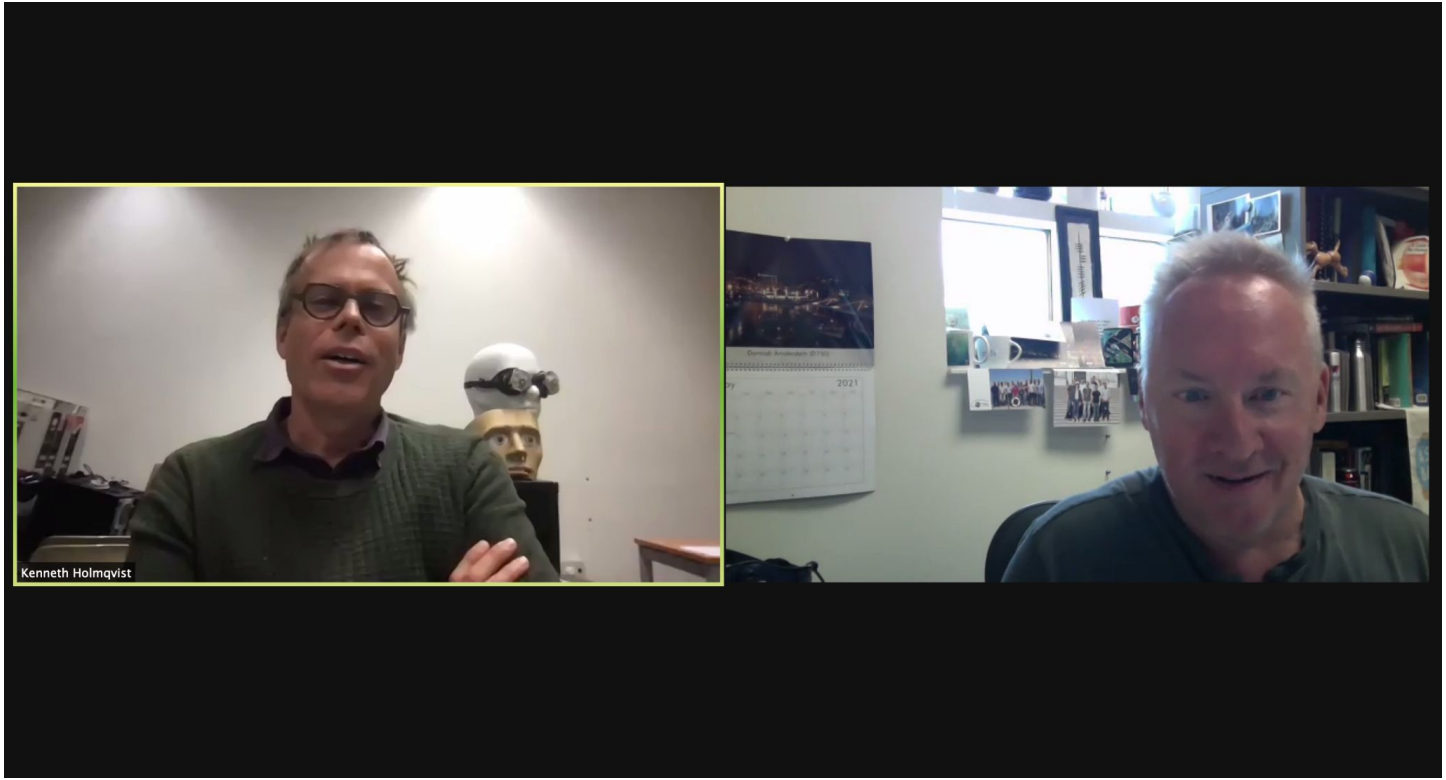
Resulting experience is top-notch:
- Photorealistic colours
- Can be used in bright sunlight
- Can see black against bright background
- Very high spatial and temporal resolution
- Varifocal (continuous) 20 cm to infinity
- Very low power consumption

However, a *good* eye tracker is needed to guide the laser beam as the eye moves

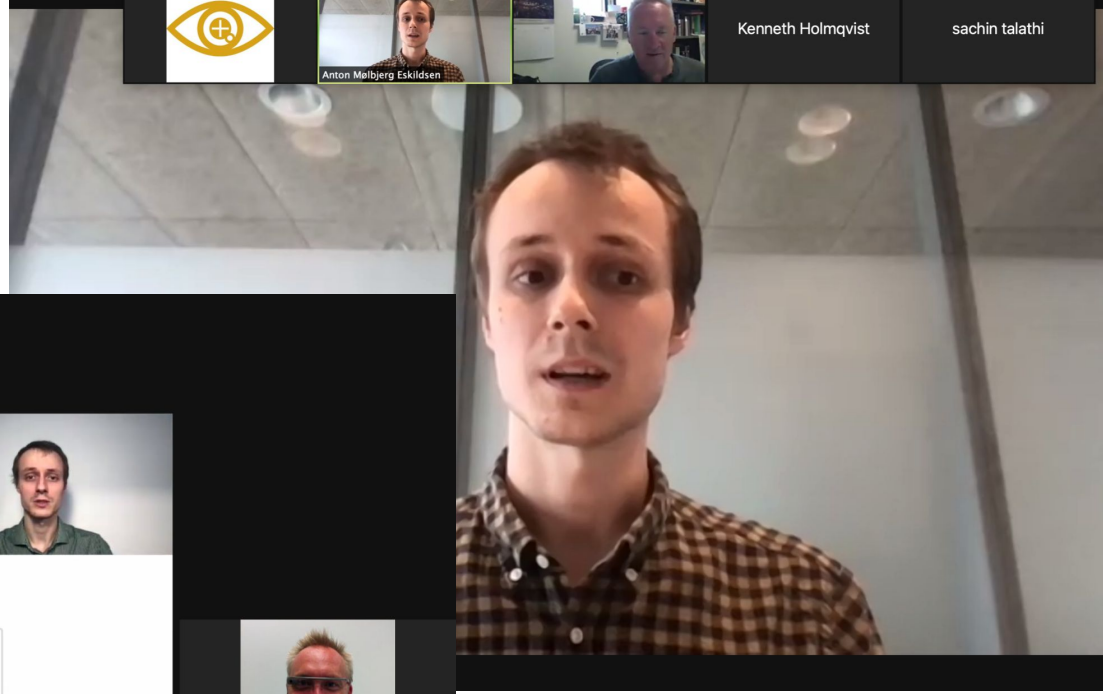


Full Papers VI

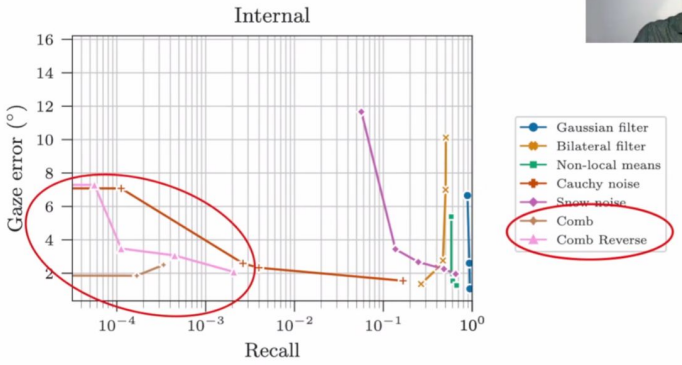
Talk 3



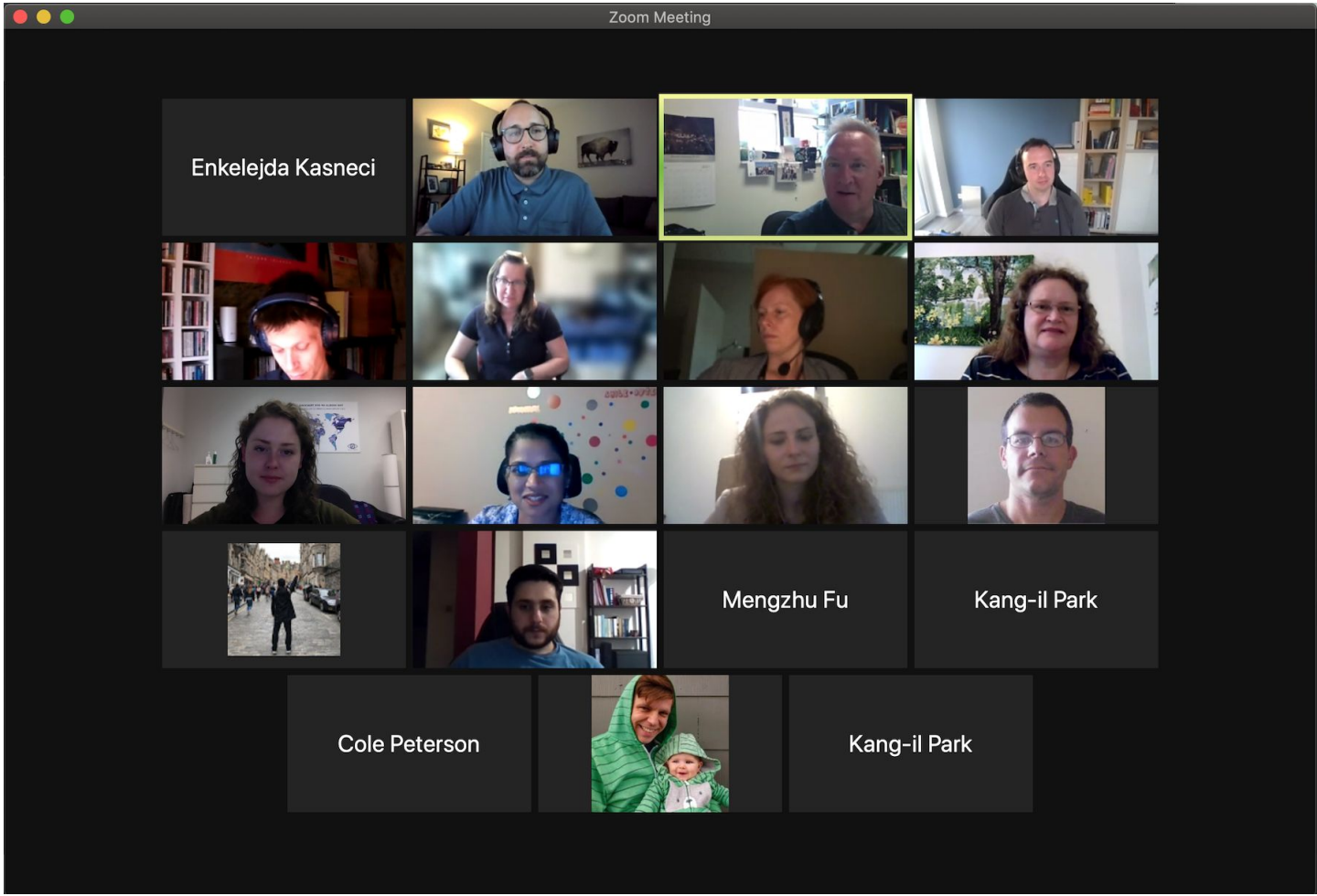
Full Papers 6
Talk 4



Results



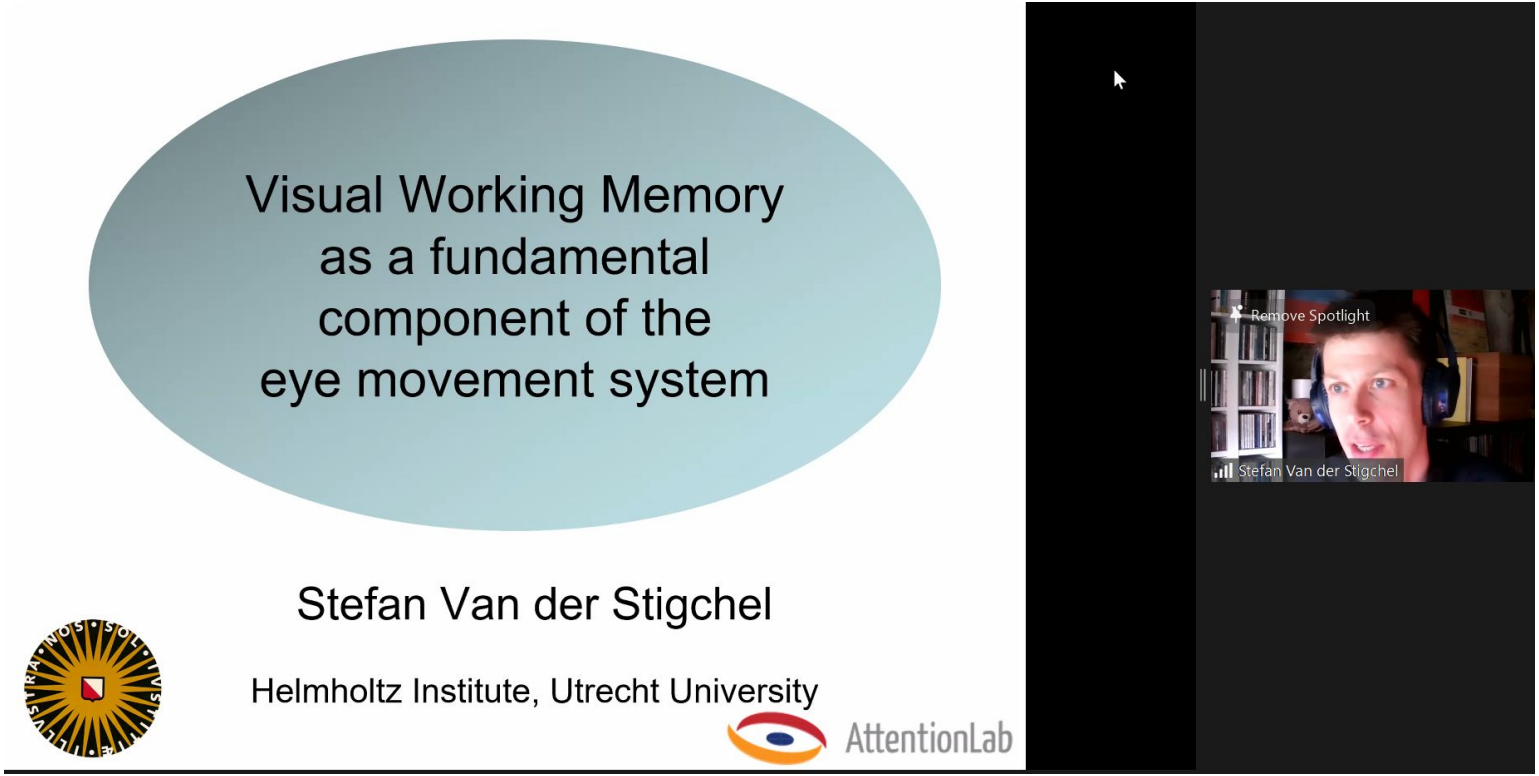
Doctoral Symposium



Doctoral Symposium

Mentor Panel

Doctoral Symposium Keynote



Doctoral Symposium Keynote

Experimentation in Software Engineering: The New Frontier

Janet Siegmund

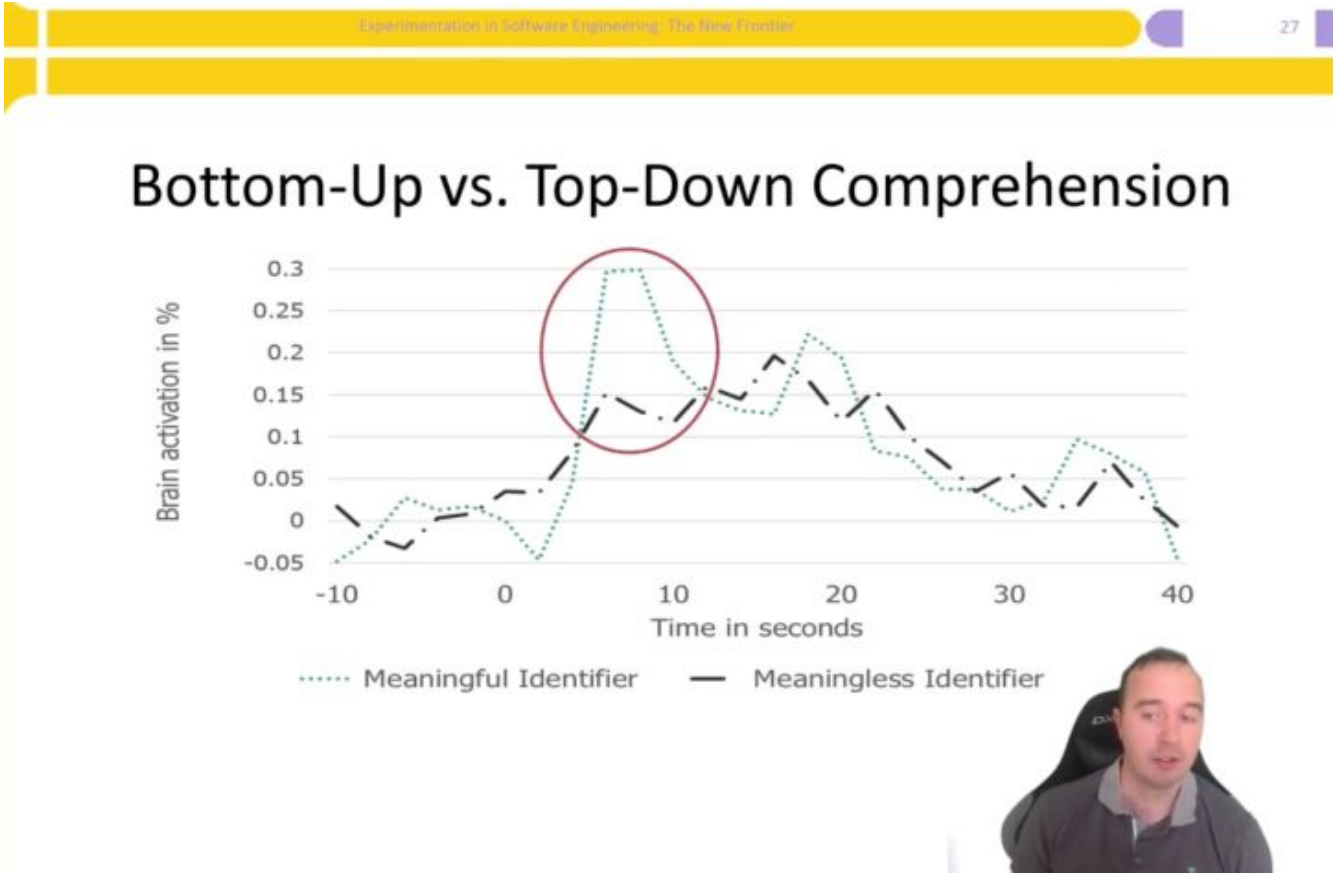
Norman Peitek

TECHNISCHE UNIVERSITÄT CHEMNITZ

LIN

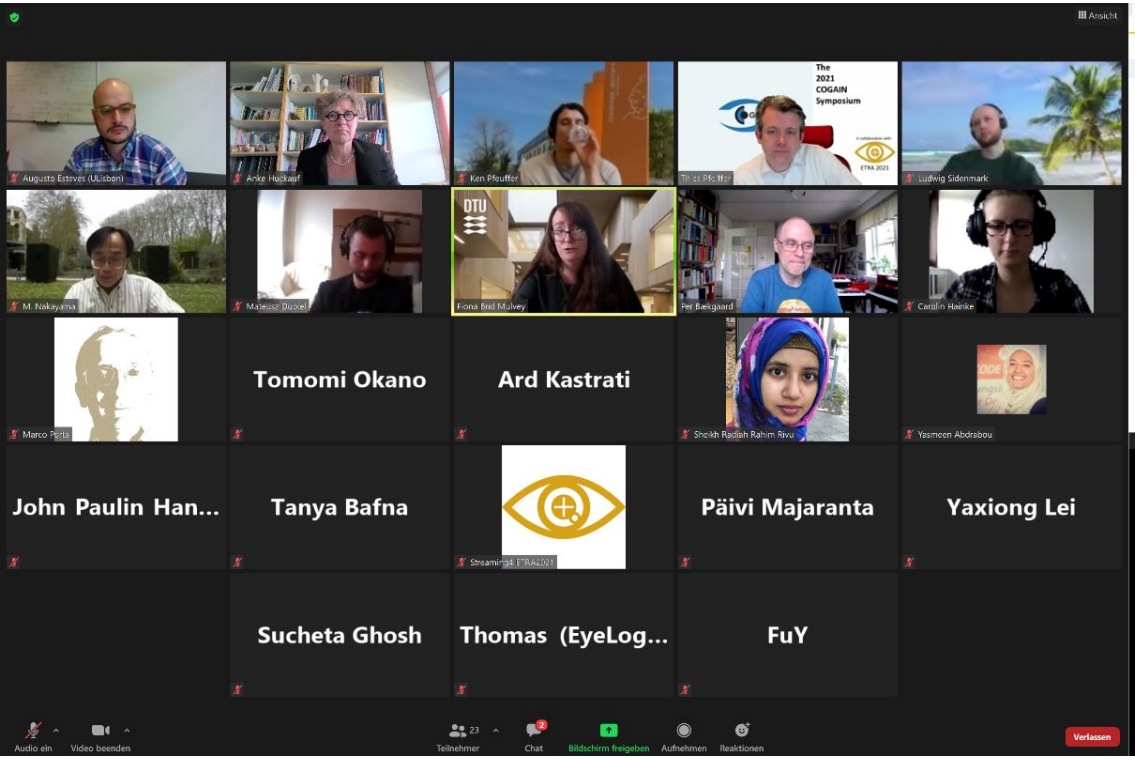
Doctoral Symposium Keynote

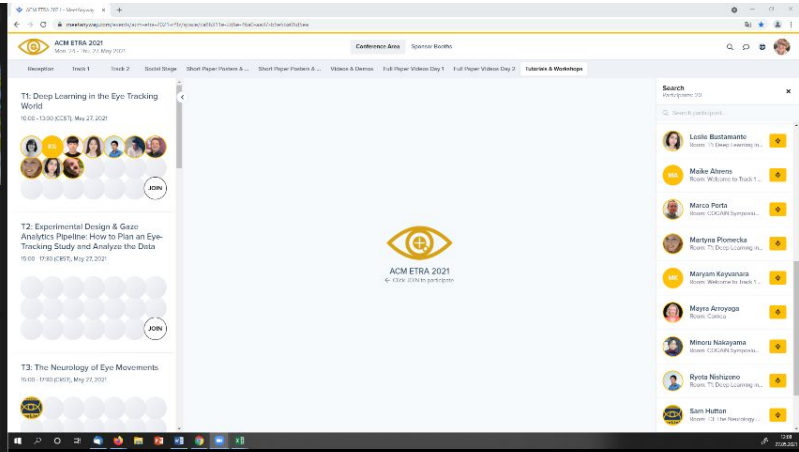
Norman Peitek

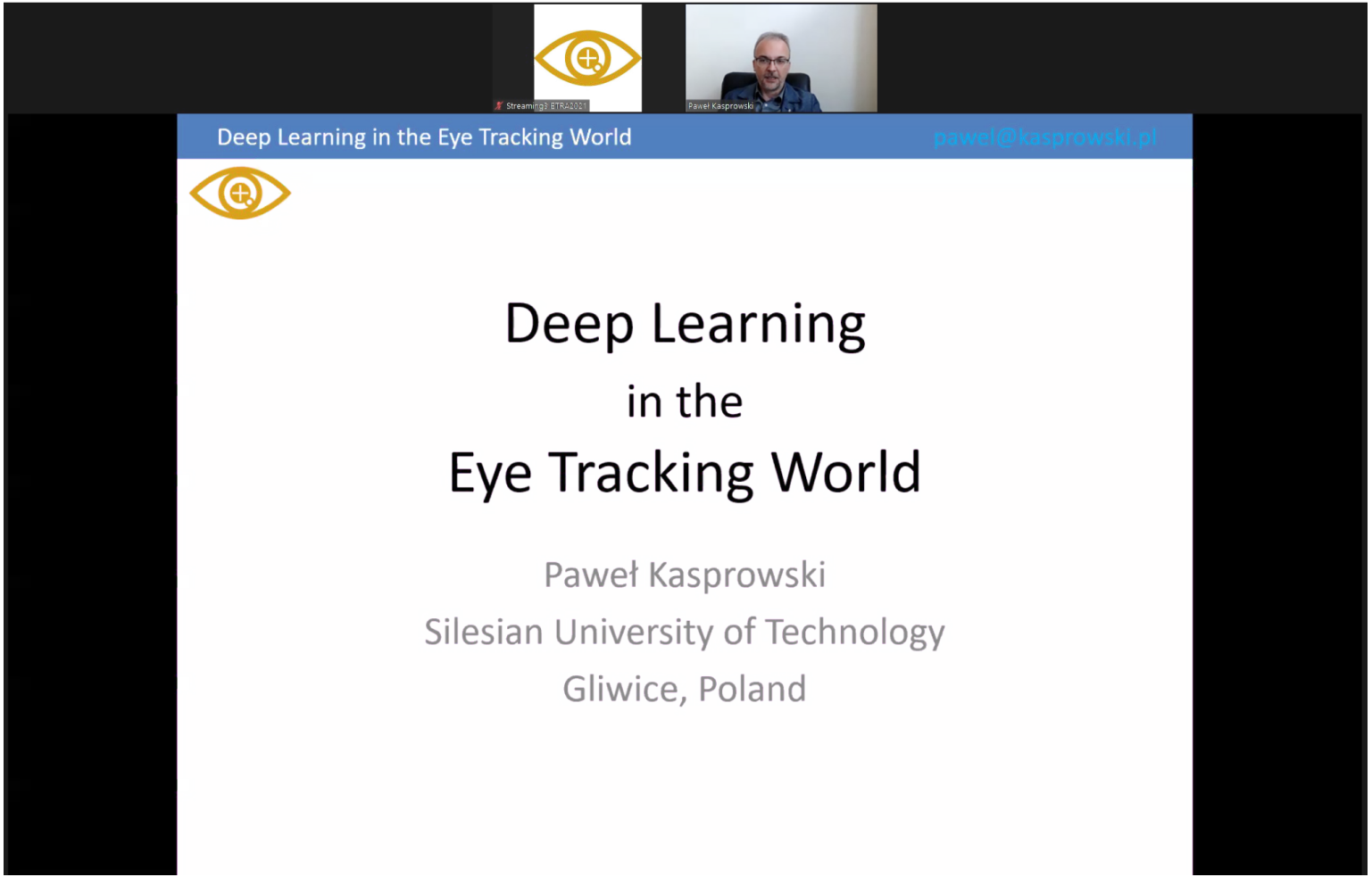


Doctoral Symposium Quiz - Who am I?

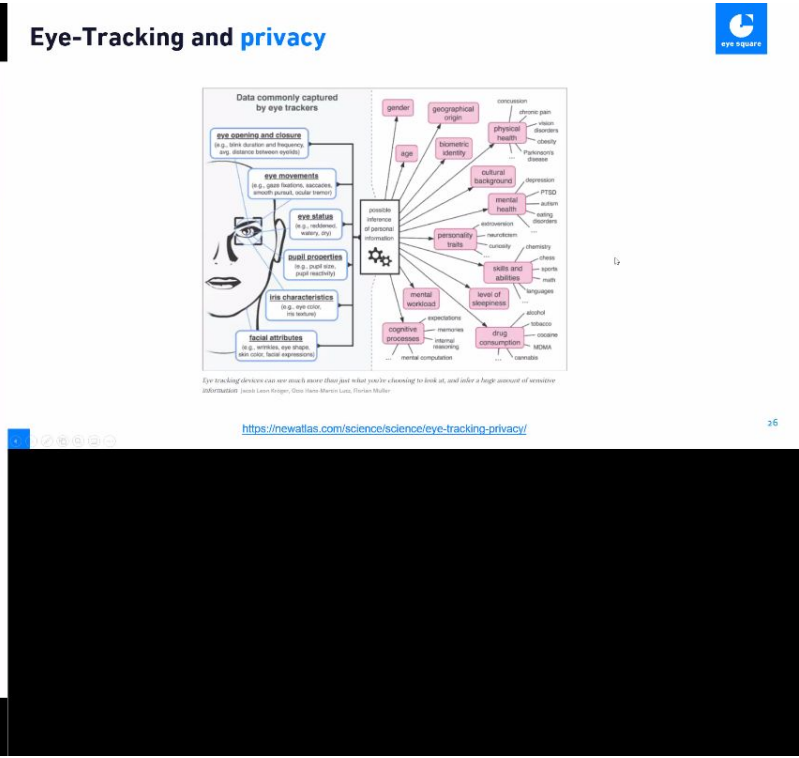
Workshops: COGAIN and Deep learning



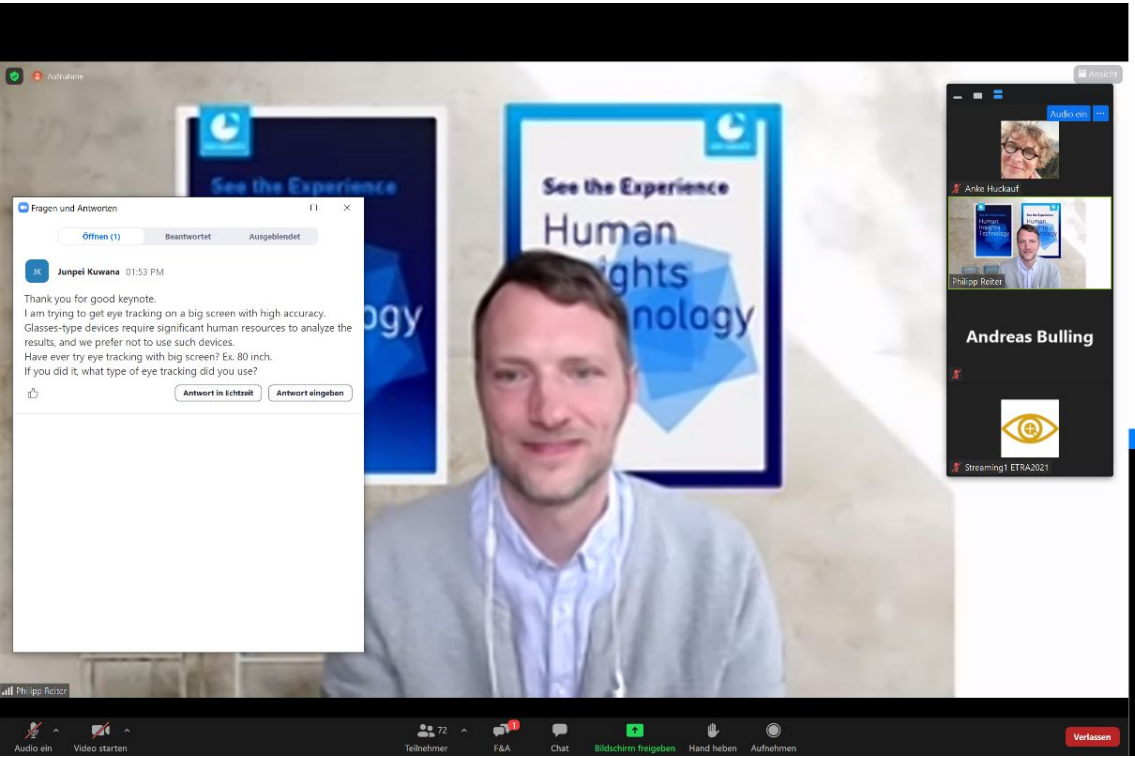


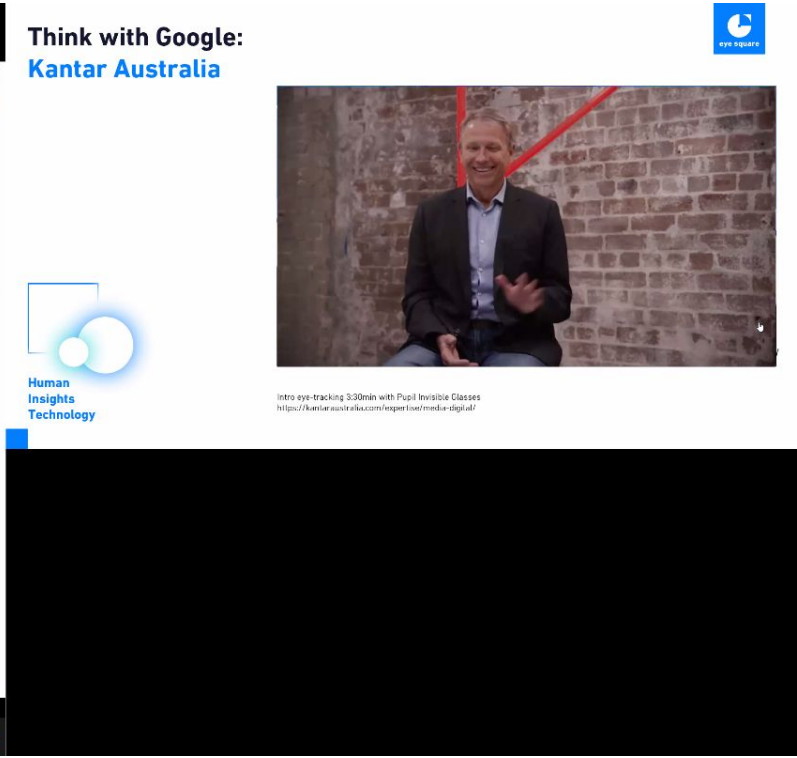

Streaming3: ETRA2021
Paweł Kasprowski
Deep Learning in the Eye Tracking World
pawel@kasprowski.pl
Deep Learning
in the
Eye Tracking World
Paweł Kasprowski
Silesian University of Technology
Gliwice, Poland

Keynote 3: Philipp Reiter, eye square

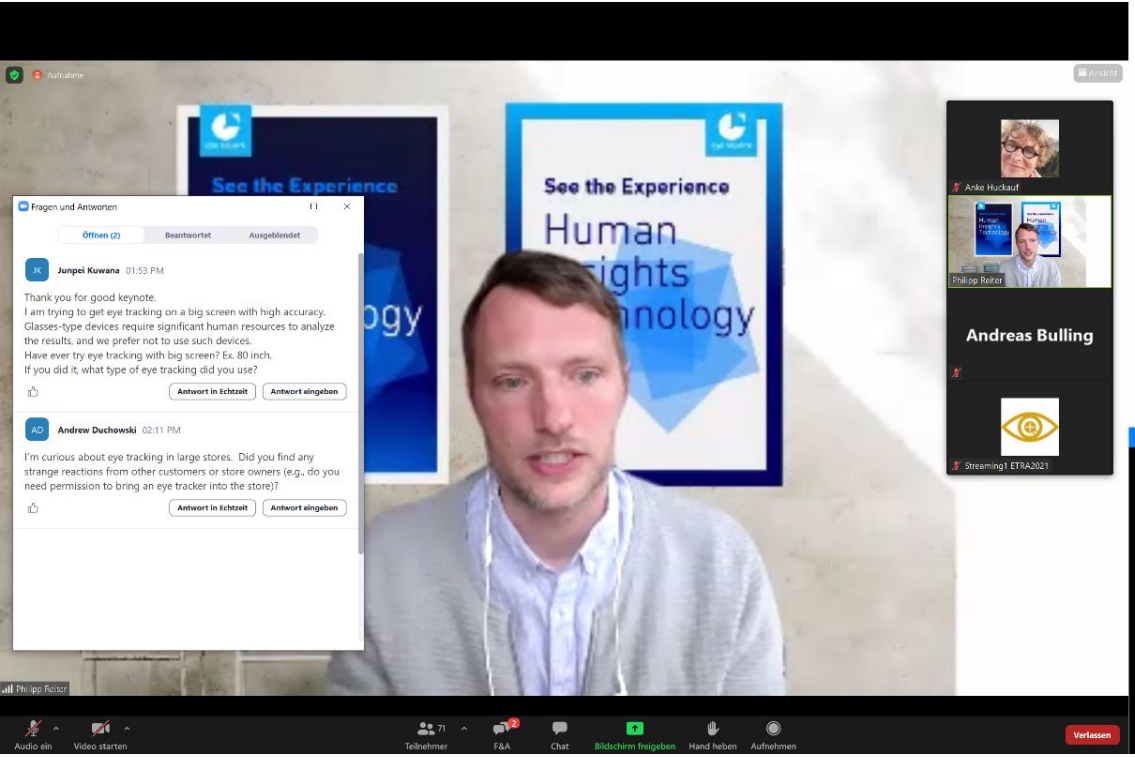


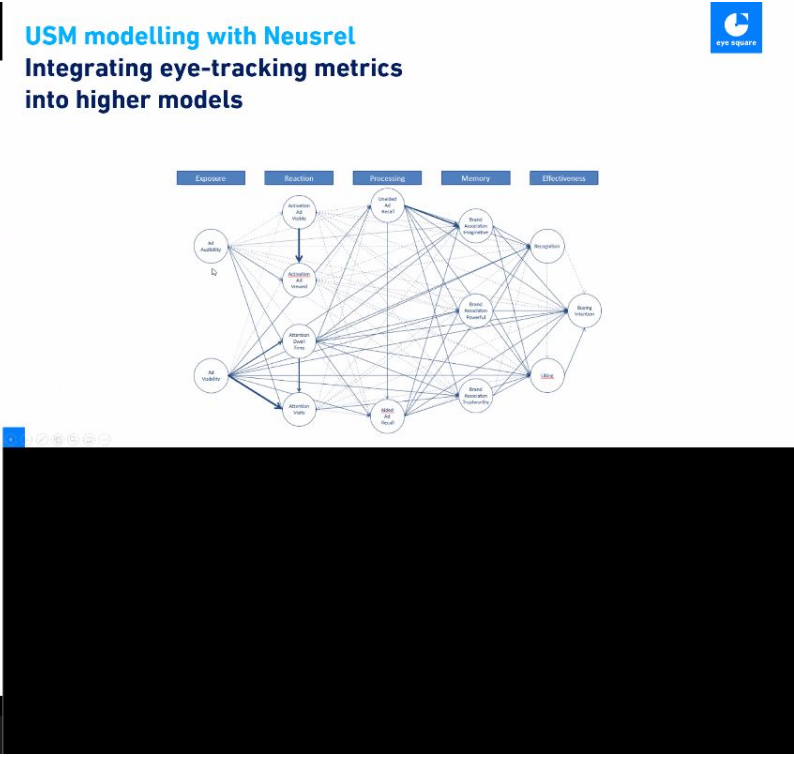
Keynote 3: Philipp Reiter, eye square





Keynote 3: Philipp Reiter, eye square

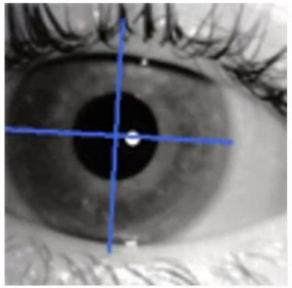


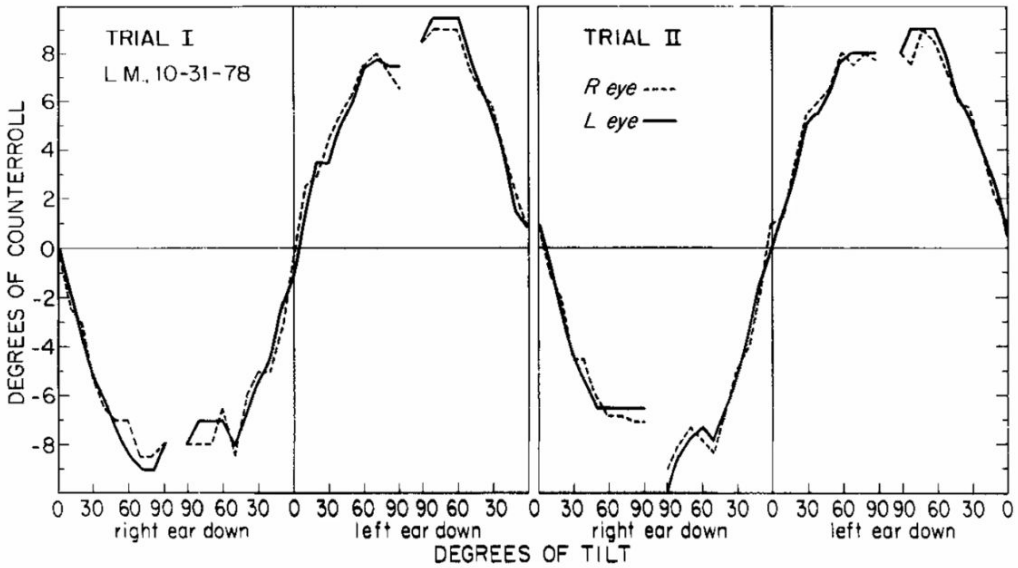


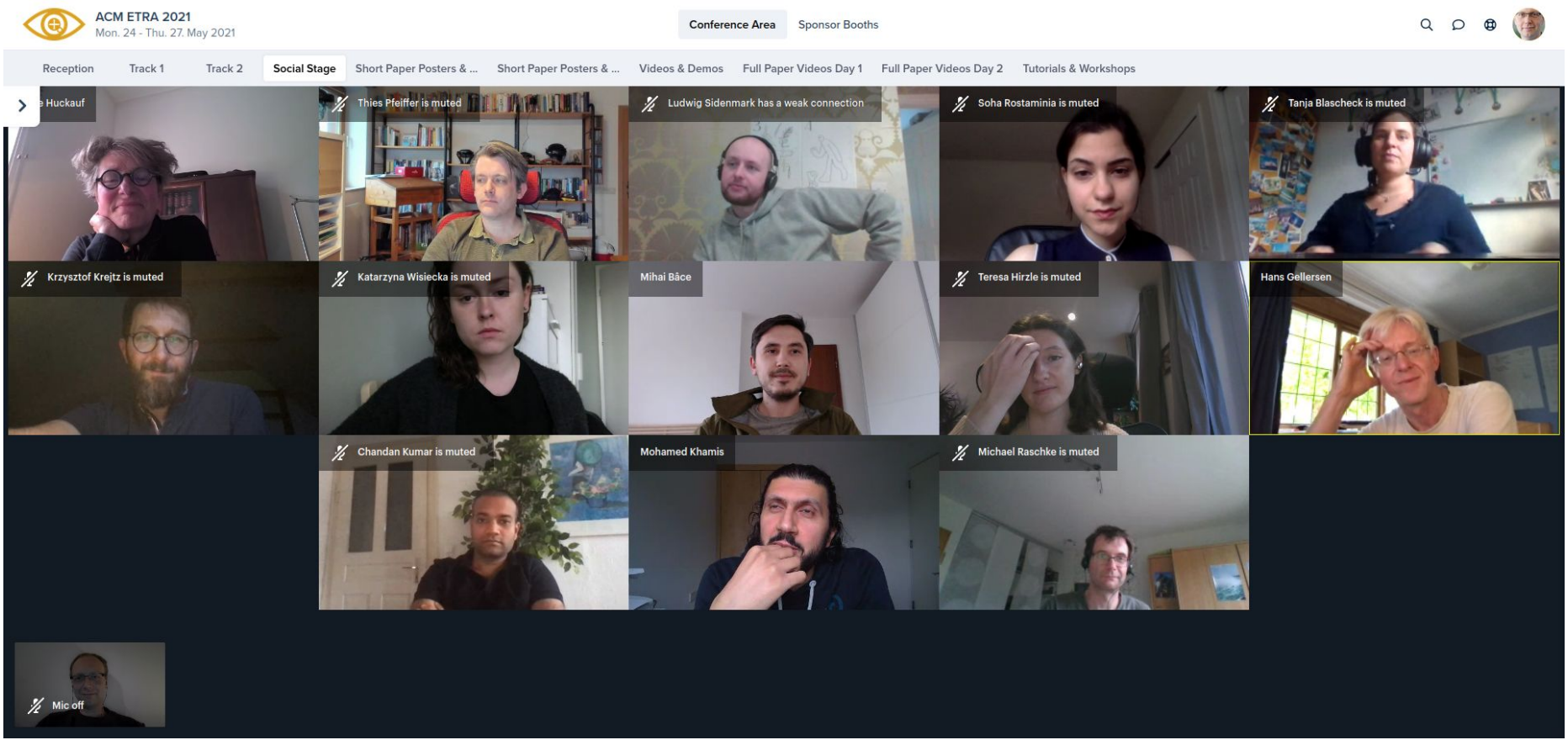
Townhall meeting

Tutorial 3: The Neurology of Eye Movements by Jorge Otero-Millan

Ocular counter roll






ACM ETRA 2021
Mon. 24 - Thu. 27. May 2021
Conference Area
Sponsor Booths
Reception
Track 1
Track 2
Social Stage
Short Paper Posters & ...
Short Paper Posters & ...
Videos & Demos
Full Paper Videos Day 1
Full Paper Videos Day 2
Tutorials & Workshops
e Huckauf
Thies Pfeiffer is muted
Ludwig Sidenmark has a weak connection
Soha Rostaminia is muted
Tanja Blascheck is muted
Krzysztof Krejtz is muted
Katarzyna Wisiecka is muted
Mihai Bâce
Teresa Hirzle is muted
Hans Gellersen
Chandan Kumar is muted
Mohamed Khamis
Michael Raschke is muted
Mic off