CS/IT BSc Projects

Ubiquitous Computing and Interaction

AARHUS
UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE

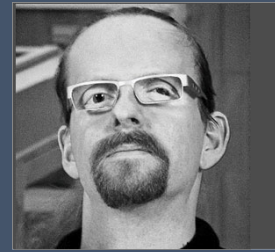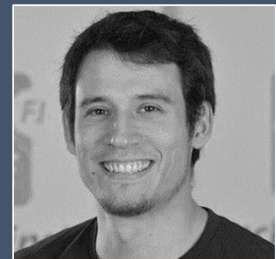BACHELOR PROJECTS INTRODUCTION
19 NOVEMBER 2021

HANS-JÖRG SCHULZ
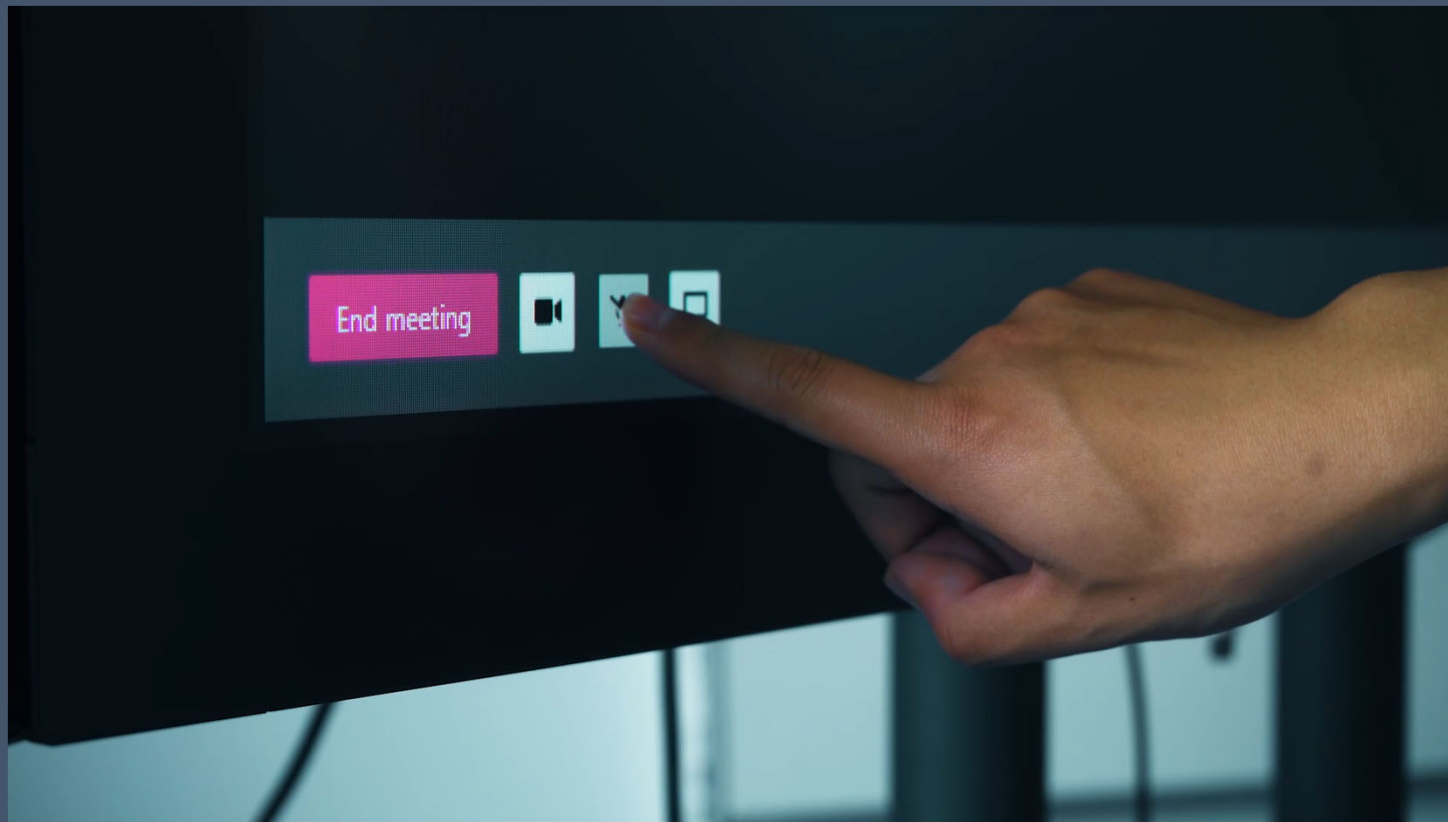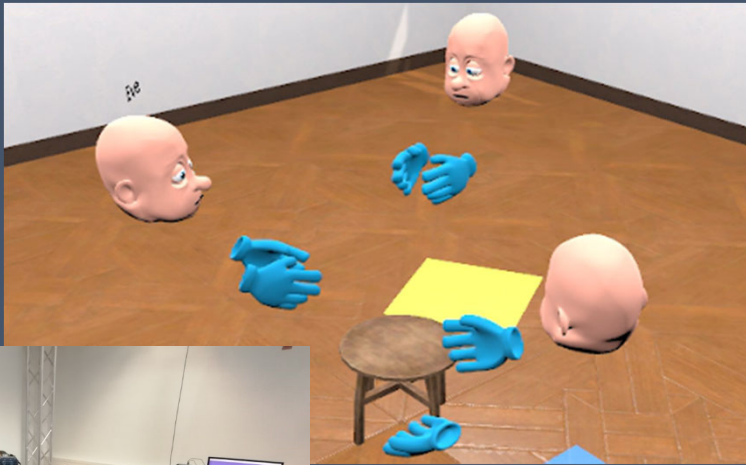ASSOCIATE PROFESSOR

KAJ   MARIANNE
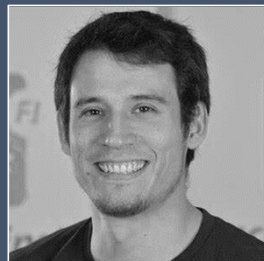
HANS   NIELS OLOF

KEN   HANS-JÖRG

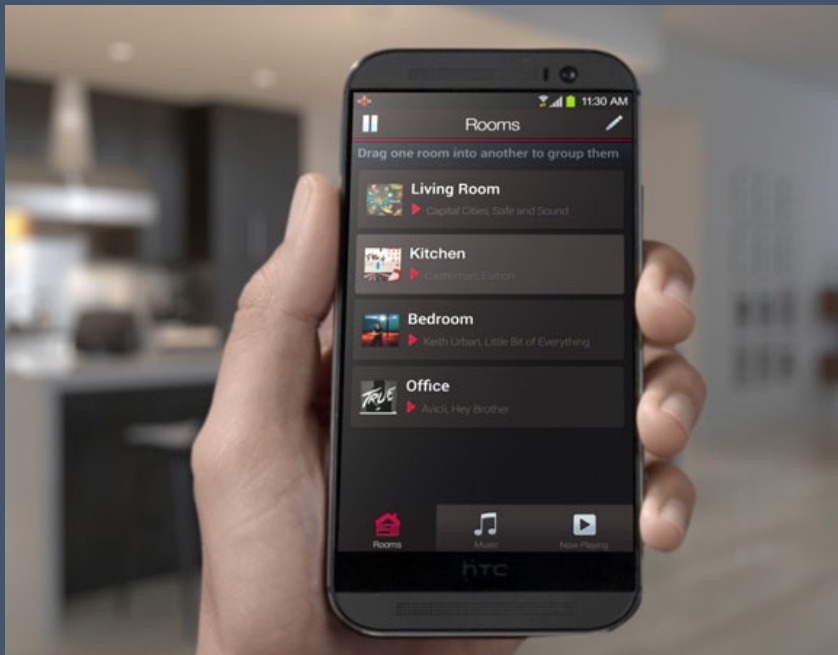# [UBI-A] Communication Cues for Video Conferencing Systems

[UBI-B] Multimodality in VR Collaboration
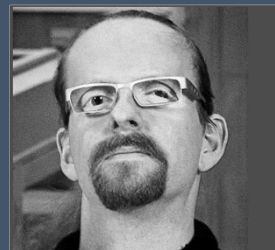

- Making virtual conver-sations more natural through non-verbal cues
  - Eye Movement
  - Hand Movement
  - Body / Stance / Gait
  - Face & Mouth Expressions
- Unity + Vive Pro or Oculus Quest 2

[UBI-M] Seamless Music Streaming

- Transitions
  - Room to Room
  - Phone to Stereo
  - Playlist A to Playlist B
- Sensors for spatial, temporal, and social context

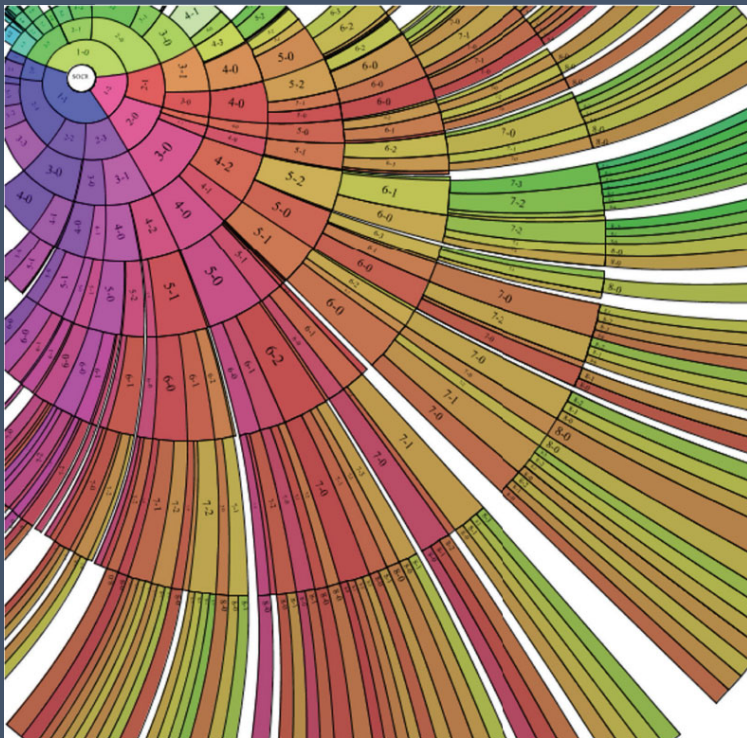# [UBI-N] Designing to support Hybrid collaborative work

Interaction Techniques & Interactive Interiors for

- mixed meetings
- shifting collaborations

Challenge: establishing symmetry between co-present and remote workers to engage in the collaboration

[UBI-L] Reinventing Books' Table of Contents in a visual-interactive form

Bring the TOC into the 21st century!

- Visual / Graphical
- Interactive
- Reactive
- Beautiful

UBI BSc Projects

If you want to know more come to the information meeting right after or drop me an email at hjschulz@cs.au.dk.