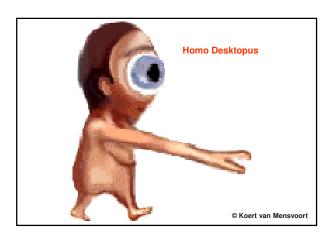


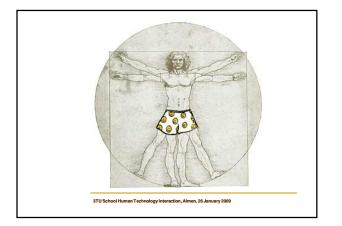


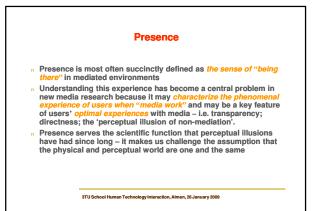
- Background in artificial intelligence and cognitive neuropsychology (Utrecht University)
- PhD in HCI/media psychology 'Presence in Depth'
- Associate professor at Human-Technlogy Interaction group at TU/e
- Research interests include immersive media and embodiment, social digital media, and digital games.

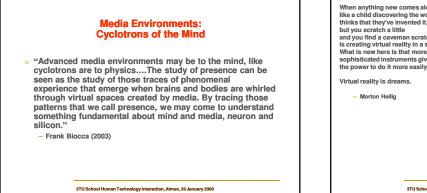




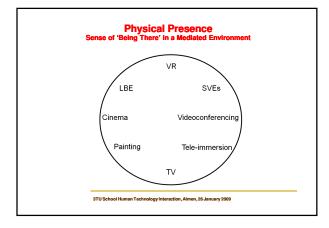
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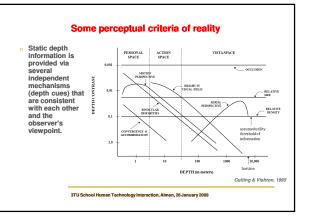


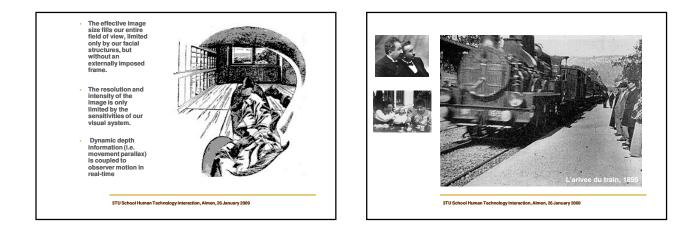


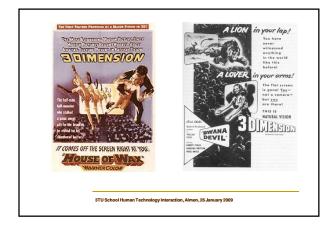






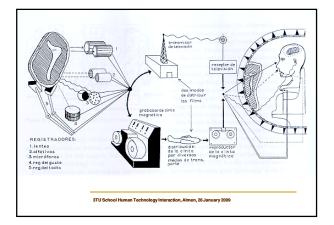












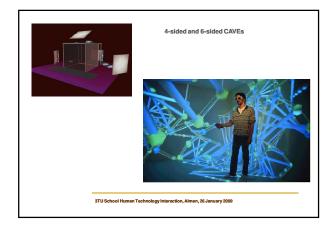


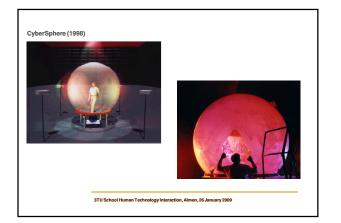


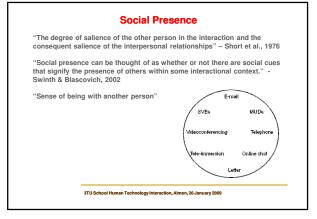


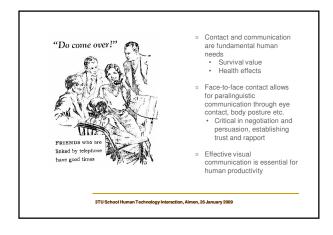




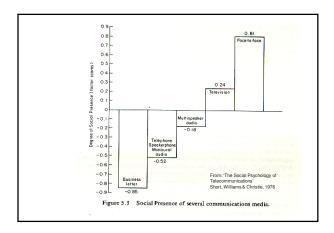




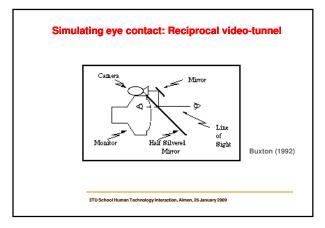


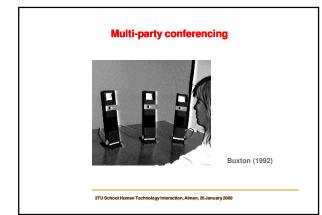












## **Rationale for telepresence**

- Hard Dollar or Euro costs
  - Airline tickets
  - Hotel, dining,
  - Taxi, rental cars, public transport - Cost of time while in transit
- Soft' costs
- Cost of wear-and-tear on people (i.e., travel is hard physically, stressful, and especially inconvenient for families),
- Loss of productivity through being inaccessible to colleagues,
- The lack of availability of resources and information while travelling, Opportunity cost' – opportunities you normally would have had or created if you had been available to your colleagues, your clients, and your team, and not in transit or jet-lagged.

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## Rationale for telepresence (cont'd)

n Environmental costs A smaller ecological footprint (in terms of resource consumption and waste production) is critical



## **Developments in Telepresence**

### High definition audio and video

- Video is HD, with large, lifesize projections of participants; careful control of the distances between screens, cameras, and chairs.
- Audio is clear, without noise, intelligible, echo-free, and of sufficient volume; multi-channel audio sometimes provides directional cues - No A/V asynchrony (in theory...)
- Improved usability
- Dedicated networks, high reliability, low latency
- Dedicated environments which enhance the presence illusion
  - Symmetrical furniture, lighting, wall paint colours
  - Tables designed to merge into the display

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# **Cisco CTS 3000 TelePresence System**



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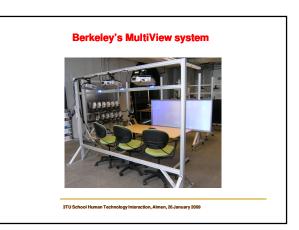




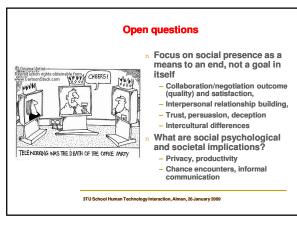












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