

Analyzing and Understanding Embodied Interactions in Virtual Reality Systems

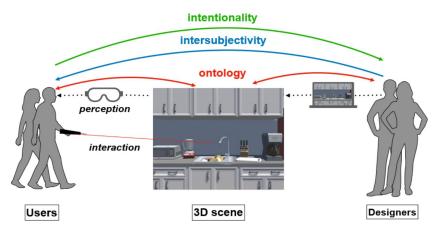
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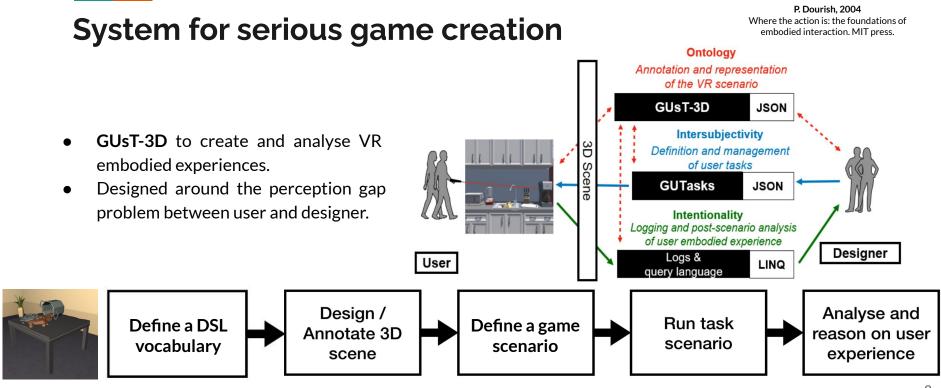


Understand the user experience in VR

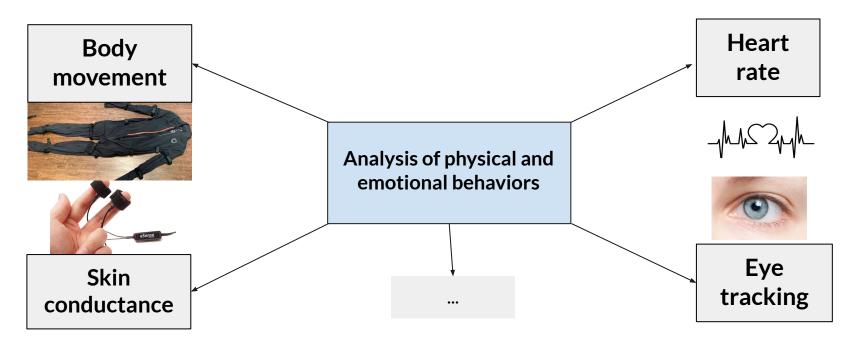


Analyzing and understanding embodied user experience in VR (i.e., emotions, intentions, attention) :

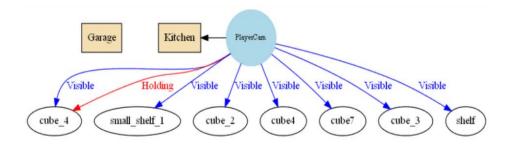
- What measures can help us characterizing the user experience?
- How can these measures be quantified and understood?
- How to use these informations for VR experiences improvement?



Measurement of the user experience



View of the embodied user experience

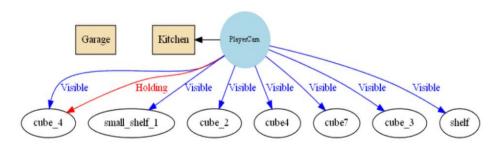


Experience in the environment:

- Task (e.g., cross the road)
- **Localisation** (e.g., on the sidewalk)
- Interactions (e.g., press a button)



View of the embodied user experience





Embodied experience:

- Visual attention (e.g., looking at the traffic light)
- Feelings (e.g., stressed, confused)
- Intentions (e.g., turning the traffic light to red to cross the road)









Thanks for your attention!