The current state of VR and AR Phil Lelyveld

8/30/16

VR/AR program lead University of Southern California Entertainment Technology Center







Basic concepts



Commercial Definition

VR – Blocks out world

AR – see-thru overlay









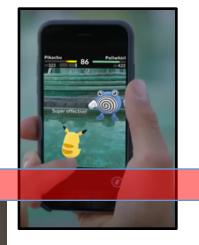


The AR – Reality – VR Continuum

Augmented Reality Reality

Virtual Reality



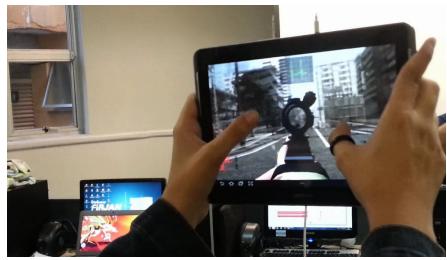




Transitional
Mixed Reality
Blended Reality



VR platforms and markets



Magic Window





HMD – Head Mounted Display



Group or Location-based VR

Strengths of VR



Sense of 'Presence'



Heightened Sense of Empathy



Henry
Oculus Story Studio

Role Reversal





Agency



"Hunger" (Virtual Food Bank) by Nonny de la Pena



Ascendance of Sound Spatial Audio



VR is transforming industries



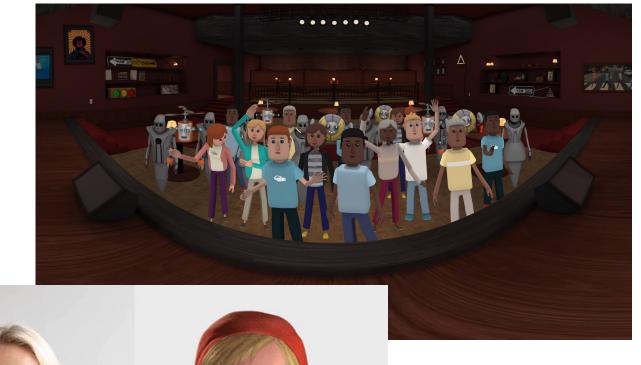


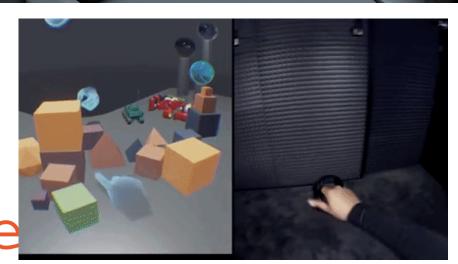




Social VR as killer app







World Building Storymaking

Engagement + storytelling

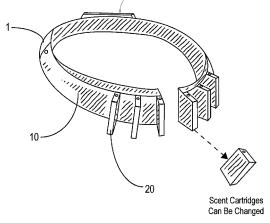




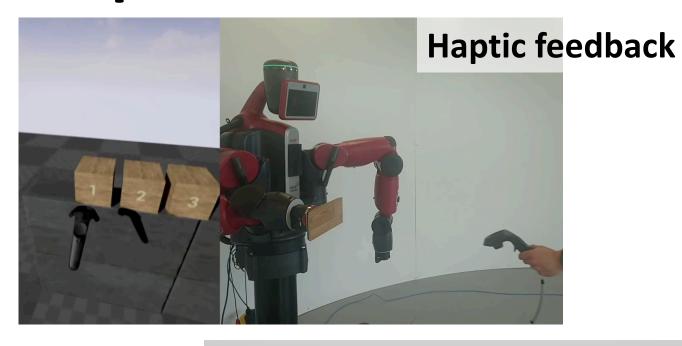


In Development

Scent necklace collar









17 subjects



AR will dominate







Huge issues currently being ceded to 'the market'

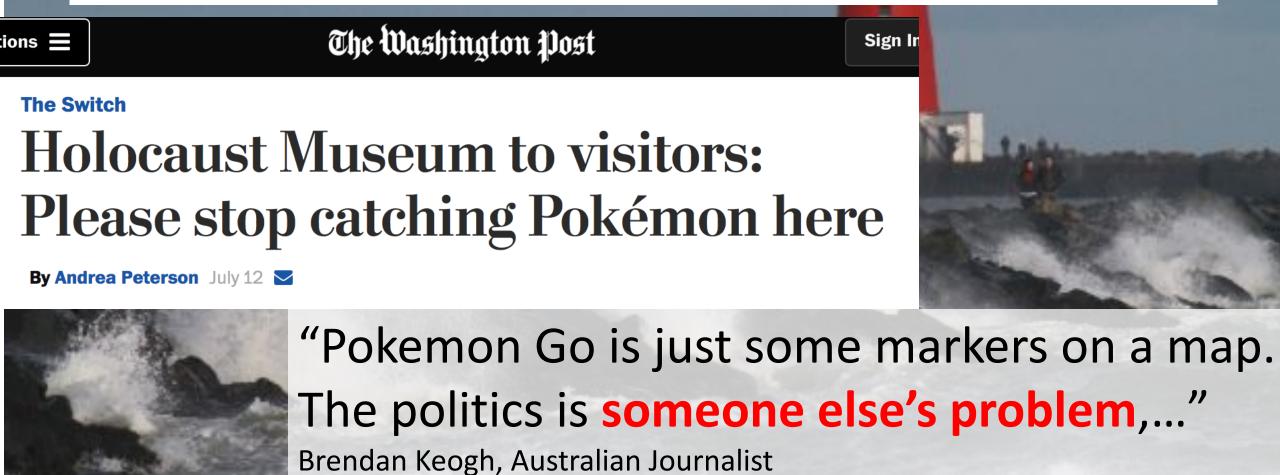


Ethics / Psychology



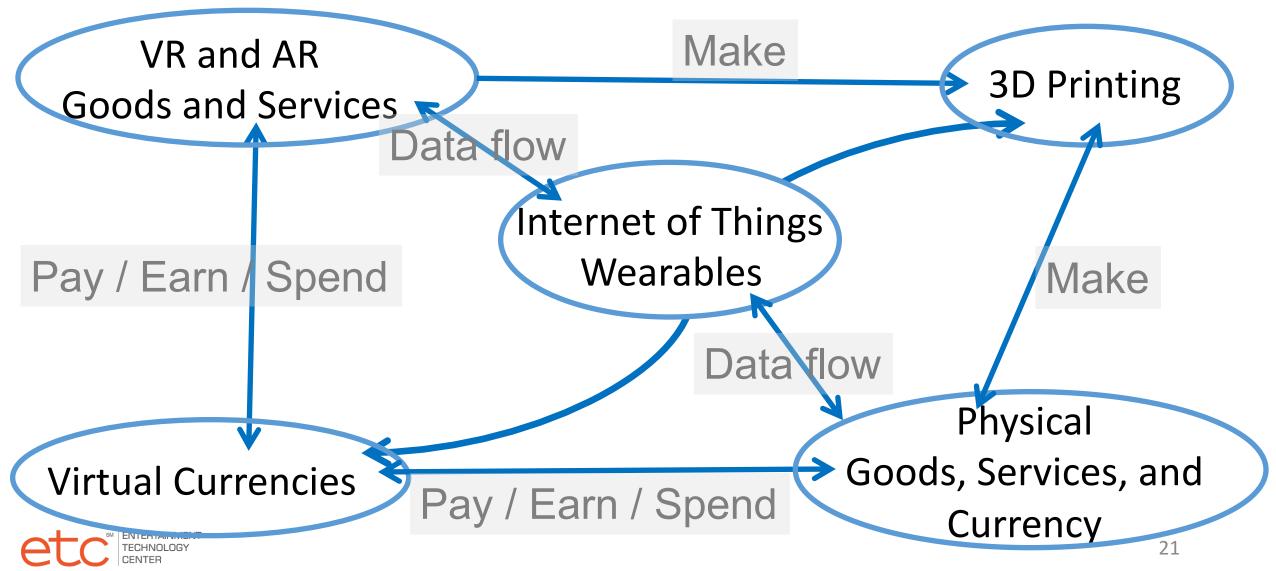


Social Norms and Responsibilities (+ Legal issues)



Online gamer died on Poolbeg Pier 'capture' mission 5/12/16 Irish Times

Erasing the boundaries between real and virtual work and play





"The culture is ready for [VR+AR] now, given the amount of tech that we touch right now and the devices that we use daily."

Ted Schilowitz, Futurist, Fox Studio





Thank you

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Entertainment Technology Center



Jacki Morie
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All These Worlds, LLC

Brent Bushnell CEO, Two Bit Circus





