## A Drink in Mars: an Approach to Distributed Reality

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**ABSTRACT**. We have developed A Drink in Mars application as a proof of concept of Distributed Reality, a particularisation of Mixed Reality which combines a reality transmitted from a remote place (e.g. live immersive video stream from Mars) with user interaction with the local reality (e.g. drink their favourite beverage). The application shows acceptable immersion and local interactivity. It runs on Samsung GearVR and needs no special green room for chroma keying, thus being suitable to test different use cases.

## **Distributed Reality (DR)**

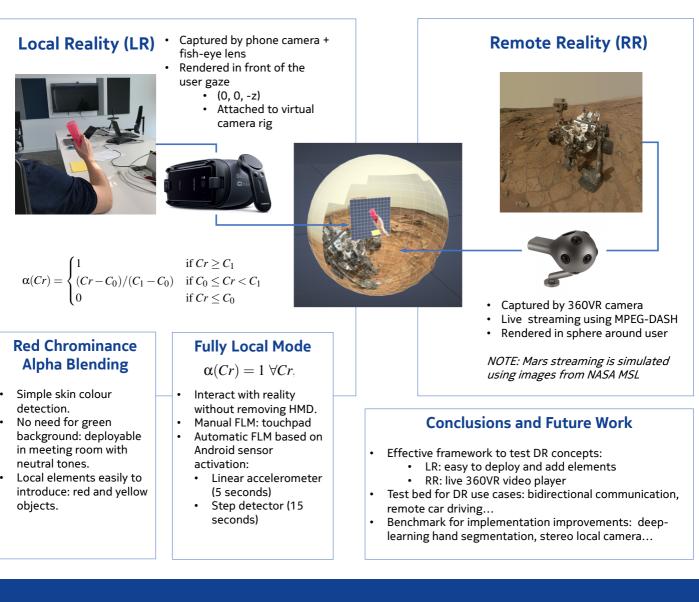
Mixed Reality with two real-life environments: - Remote Reality: live stream of remote place

Local Reality: self-perception and local objects
"Reality" → no CGI model



Wearing a GearVR headset, take a drink while immersed in live VR experience (Mars surface)

A Drink in Mars



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