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TNO innovation for life

MOTION SPELL



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AN END-TO-END SYSTEM FOR THE PRODUCTION AND DELIVERY OF

# PHOTOREALISTIC SOCIAL IMMERSIVE VIRTUAL REALITY EXPERIENCES



VRTogether

## TECHNOLOGICAL INNOVATIONS

VRTogether is innovating in terms of various user representation media in social-VR, enabling immersion and interaction between **multiple remote users** within VR environments.

Depth-sensors technology enable volumetric capturing thanks to RGB-D view acquisition. From a single RGB-D view processing to a rig of multiple RGB-D views, thanks to **mesh-based** and **point cloud-based** reconstruction algorithms, the production of low-latency volumetric video streams is now a true envision.

Aiming to provide technologies for highly responsive and realistic user interaction, VRTogether is innovating on **media encoding, transmission and rendering** in an efficient and orchestrated way.

To enhance immersion, VRTogether is researching on sophisticated **HMD removal** methods, targeting more natural interaction between VR users.

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