Mixed Reality Interfaces

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Message from the Guest Editors

Mixed Reality Interfaces allow users to interact with physical and digital elements of an experience in an integrated way. With developments in smartphone technology such as 3d depth sensing and specific support for augmented reality, along with the release of affordable headsets, Mixed Reality experiences are finally becoming accessible to the general public. Mixed Reality experiences have potential to support a wide range of applications including gaming, sport, museum visiting, healthcare, education and training.

We invite contributions to the Multimodal Technologies and Interaction Special Issue on Mixed Reality Interfaces. Contributions should address contemporary technical, theoretical and application challenges of Mixed Reality Interfaces, including, but not limited to any of the following:

Novel software developments (interfaces, authoring tools, sensor algorithms)
Novel hardware (headsets, new smartphone hardware, tangible objects…)
User evaluations and studies of systems (experimental, in-the-wild…)
Theories of the use of Mixed Reality Interfaces

Special Issue