



Human–Computer Interaction and Virtual Environments

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Message from the Guest Editors

Dear Colleagues,

The fields of human–computer interaction (HCI) and extended reality (XR) are closely connected, given that they both focus on technologies that enhance interactions between humans, computers, and virtual environments, thereby fostering numerous societally beneficial applications. HCI is dedicated to refining interfaces by innovating in terms of both software and hardware designs and incorporating cutting-edge technologies such as machine learning, gesture recognition, and biosignal processing. Advancements in HCI drive not only technological progress but also facilitate seamless interactions in both real and virtual settings, enhancing the extended reality experience overall. XR, encompassing virtual reality (VR), augmented reality (AR), and mixed reality (MR), blurs the boundaries between the real and virtual worlds, creating a spectrum of applications in numerous fields.

This Special Issue invites contributions that explore pioneering research at the intersection of HCI and virtual environments, and which shape the evolving landscape of these dynamic fields.





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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