Artificial Intelligence and eXtended Reality

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Message from the Guest Editors

Dear Colleagues,

Research on extended reality (XR) such as virtual reality (VR), augmented reality (AR) and mixed reality (MR) deals with how computing systems interact with computer-generated environments. These immersive technologies are now about to move into a new computing paradigm where smart glasses will be the fundamental computing environment we have to live with, where XR should be supported by AI, and vice versa.

This Special Issue focuses on the latest developments of the unified research on artificial intelligence and extended reality, which include machine learning in XR, natural language interaction with XR, computer vision, ontology unification with XR, neuro-symbolic reasoning with XR and progressing into the Metaverse.

These latest technological developments will be shared through this Special Issue for various researchers who are involved in AI related to XR or using AI and XR applications for their own specific purposes. New types of applications utilizing XR and AI are also welcome.

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Special Issue

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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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