

Special Issue

Human-Computer Interaction and Artificial Intelligence in VR/AR/MR Application

Message from the Guest Editors

AI (Artificial Intelligence) and XR (eXtended Reality) technologies are widely utilized in all areas in which data are produced and in all areas that require the Metaverse, respectively. AI algorithms and modeling technologies are rapidly developing, with the industry releasing lightweight and high-performance XR devices based on the computing power of advanced computer hardware. When people apply these technologies, the HCI field offers various methodologies to help users utilize them properly and safely. This Special Issue focuses on state-of-the-art research in various new computer-science-based technologies, including AI, machine learning, deep learning, computer vision, virtual reality, augmented reality, extended reality, and HCI-based convergence and application technologies. This Special Issue aims to inspire and motivate many researchers in the field of computer science by illuminating the development of various technologies, and discovering and sharing fields that can be applied to them.

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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