

Special Issue

Smart Worlds: Merging AI and Extended Reality for a New Era

Message from the Guest Editors

The concept of "Smart Worlds" investigates the integration of artificial intelligence (AI) with extended reality (XR), which includes virtual reality (VR), augmented reality (AR), and mixed reality (MR), to create immersive, intelligent environments that transform sectors such as healthcare, education, gaming, sports, and urban planning. This combination is fostering highly interactive, data-driven experiences that adapt in real-time, offering personalized and predictive engagements. AI's role within XR is to process large datasets, automate user interactions, and empower virtual agents through natural language processing, making experiences responsive and intuitive. For instance, AI-driven XR systems simulate complex training scenarios in medicine and visualize efficient urban layouts in planning contexts, facilitating decision-making. This Special Issue welcomes research that explore, expand, and innovate in the field of smart worlds. Contributions are encouraged that address the technical, social, and practical aspects of merging AI with XR to create these intelligent, interconnected environments.

Guest Editors

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