

Special Issue

of the **Infocommunication Journal**

Cognitive Aspects of Virtual Reality

cVR investigates the next phases of IT evolution characterized by a transition from digital environments based on 2D graphical user interfaces (e.g. windows, images, 2D widgets) to 3D spaces which represent a higher-level integration of VR/AR/Metaverse/IoD systems, human spatial cognition and the Cognitive Infommunication capabilities. A primary focus of cVR is how this transition simultaneously makes use of and augments human capabilities, including psychological, cognitive and social capabilities – especially capabilities linked to a deeper understanding of geometric, temporal and semantic relationships. By extension, cVR further investigates the effects of these changes in human capabilities on sectors including education, commerce, healthcare, industrial production and others.

The topics include, but are not limited to:

Industry 4.0 in VR, Digital Twin; UI/UX in VR/AR/XR/Metaverse; Internet of Digital & Cognitive Realities (IoD); Management and marketing in VR; VR-supported design; VR education; VR events; VR supported decision making; Gamification in VR environment; VR-supported rehabilitation; VR operation systems; Social VR; Cognitive aspects of avatars; Cognitive Infocommunications; Photorealistic VR; VR Haptics; Emerging new cognitive capabilities in VR

This special issue collects the latest results emerging on the field of Cognitive Aspects of Virtual Reality.

Guest Editors:

Prof. Peter Baranyi

Széchenyi István University

Dr. Ildikó Horváth

Széchenyi István University

Important dates:

Submission deadline: **June 17, 2023**

Notification first review: **August 15, 2023**

Deadline for revision: **September 15, 2023**

Camera Ready: **October 1, 2023**

Regarding manuscript submission information, please visit:
<https://www.infocommunications.hu/for-our-authors>



Call for Papers