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IEEE CVR 2023 Cognitive Aspects of Virtual Reality

26-27 October, 2023
Hungary

Scope :

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/MR/Metaverse/IoD systems, human spatial cognition, the 2D digital world (i.e. Web 2.0, Web 3.0) and artificial intelligence (AI). 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 and AI capabilities with respect to a variety of sectors including education, commerce, healthcare, industrial production and others

Contributions are expected from the following areas:

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

Authors are encouraged to submit full papers describing original, previously unpublished, complete research, not currently under review by another conference or journal, addressing state-of-the-art research and developments. All papers will be reviewed and accepted papers will appear in the conference proceedings. Papers must be submitted electronically via EasyChair in IEEE format (double column A/4, 4-6 pages long).
Authors' Schedule   First submission: 1 June, 2023
Notification: 26 August, 2023
Final submission: 26 September, 2023

Track and Session Organizers:
Those who would like to propose a track or session (a set of oral or DEMO presentations) in order to introduce the new scientific results of their fields or large-scale international projects are warmly welcome. Please kindly note that the minimum number of sessions is 3 per track and 1 session is of 4 publications.

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