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Emotion, Cognition, and Empathy in Extended Reality Applications

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Message from the Guest Editors

Extended reality (XR) applications have now become advanced enough to be used in real-world use cases such as medicine, education, training, gaming, and remote collaboration. Over the last couple of decades, the majority of XR research primarily focused on engineering aspects of the system and recently has started focusing on the usability of the XR systems.

A new area of research in the XR domain is focusing on the emotional and cognitive aspects of the applications. The advent of mobile and affordable bio-sensors such as electroencephalography (EEG), electrocardiogram (ECG), and photoplethysmogram (PPG) have made it possible to measure and, in some cases, use neural activities and physiological signals in real-time during the usage of the XR applications.

In this Special Issue, we are inviting submissions where multidisciplinary work involving XR and Affective and/or Empathic Computing is performed. We are open to both original research and review articles.



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Special Issue



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