# Special Issue

# Attention-Aware Interaction in Augmented Reality

### Message from the Guest Editor

The use of Augmented Reality (AR) has increased across various industries and optimizing human–computer interaction in these environments has become crucial. This Special Issue focuses on attention-aware interaction systems in AR, exploring how systems can intelligently adapt to users' cognitive load, attentional focus, and contextual needs. Attention-aware systems bridge the gap between human cognitive abilities and the demands of complex AR interfaces. By dynamically adjusting content presentation and interaction modalities based on real-time assessments of user attention, these systems enhance usability, reduce cognitive overload, and improve task performance. This Special Issue aims to inspire further research and innovation, paving the way for AR applications that are immersive, interactive, and intuitively aligned with human cognition.

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### Deadline for manuscript submissions

31 August 2025

## Behavioral Sciences

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