

Special Issue

Advances in Artificial Intelligence for Computer Vision, Augmented Reality Virtual Reality and Metaverse

Message from the Guest Editors

Artificial intelligence (AI)'s role in computer vision (CV), augmented reality (AR), virtual reality (VR) and the metaverse is transformative and can be employed in various sectors, including security, surveillance, education, architecture, and healthcare. This Special Issue focuses on how AI is being used to enhance real-time modeling, automate content generation, make object detection and tracking easier, and make it possible to customize virtual worlds in the context of CV, AR, VR and the metaverse. The scope of this Special Issue includes, but is not limited to, AI for computer vision, augmented reality, virtual reality and the metaverse focusing on the following areas: video and serious games, 3D simulators, telemedicine, medical image processing, satellite image processing, path planning, localization, detection, recognition, tracking, 3D reconstruction, augmented human intelligence, natural language processing (NLP), sentiment analysis, emotion recognition, security and privacy, surveillance, etc. We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (18 March 2026)



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About the Journal

Message from the Editor-in-Chief

Big Data and Cognitive Computing (BDCC) is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

Editor-in-Chief

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