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Artificial Cognitive Systems for Computer Vision

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Message from the Guest Editors

In recent years, the convergence of artificial intelligence and computer vision has heralded a new era of unprecedented possibilities. As the demand for more intelligent and perceptive systems continues to grow, the integration of artificial cognitive capabilities into computer vision has become a focal point of extensive research and development. This Special Issue aims to unite cutting-edge research and advancements in the realm of "Artificial Cognitive Systems for Computer Vision." For this Special Issue, we invite researchers, academics, and practitioners to submit original research papers on artificial cognitive approaches for advancing computer vision systems. We seek contributions that focus on leveraging machine learning, cognitive reasoning, and related methods to enhance computer vision capabilities. Authors are encouraged to explore innovative ways of using cognitive inference mechanisms to improve algorithm efficiency, accuracy, and adaptability. Additionally, insights into integrating advanced computer vision models for cognitive tasks, along with practical implementations and empirical evaluations in real-world scenarios, are highly valued.