

Special Issue

Advancing Action Recognition: Novel Approaches, Techniques and Applications

Message from the Guest Editor

This Special Issue explores cutting-edge research in action recognition, focusing on innovative approaches, techniques, and applications. Action recognition, a fundamental task in computer vision and AI, is significant across various domains, from surveillance to healthcare, robotics, and human-computer interaction. This Special Issue highlights recent advancements in machine learning and computer vision, emphasizing novel methods for detecting and understanding human actions. Topics include deep learning models, spatiotemporal modeling, multimodal fusion, transfer learning, and model generalization. Action recognition techniques enhanced by large language models are also key. Emerging applications where action recognition technology can make a transformative impact are showcased. This includes intelligent surveillance, gesture-based healthcare interfaces, and robots understanding human actions. By bringing together researchers and practitioners, this Special Issue aims to foster collaboration and advance action recognition technology.

Guest Editor

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Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

Editor-in-Chief

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