

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

Dr. Xiaoguang Zhu

DataLab: Data Science and Informatics, University of California, Davis,
CA 95616, USA

Deadline for manuscript submissions

closed (31 July 2025)



Journal of Imaging

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.7
Indexed in PubMed



mdpi.com/si/211868

Journal of Imaging
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jimaging@mdpi.com

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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

Prof. Dr. Raimondo Schettini

Department of Informatics, Systems and Communication, University of
Milano-Bicocca, viale Sarca, 336, 20126 Milano, Italy

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