# **Special Issue**

# Al-Driven Image and Video Understanding

# Message from the Guest Editors

Artificial Intelligence (AI) has transformed image and video understanding, moving from theory to practical applications across medical, autonomous vehicles, multimedia, and surveillance. This Special Issue highlights cutting-edge research at the intersection of AI and visual content understanding, addressing both opportunities and challenges.

The explosive growth of high-resolution images and long-form videos, together with advances in deep learning architectures, generative models, and multimodal fusion techniques, has created an urgent need for innovative solutions. We seek submissions that explore novel neural architectures for image and video understanding, multimodal data processing, Al-driven computer vision, and real-world vision applications.

We encourage contributions combining rigorous theoretical foundations with robust empirical validation, tackling key challenges in visual Al. By connecting researchers from computer vision, machine learning, and diverse application domains, this Special Issue aims to accelerate knowledge exchange, foster innovation, and demonstrate how Al can unlock deeper, more reliable insights from visual data with tangible societal benefits.

### **Guest Editors**

Dr. Gongyang Li

Dr. Xiaofei Zhou

Dr. Yong Wu

# Deadline for manuscript submissions

31 May 2026



# Journal of Imaging

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 6.7
Indexed in PubMed



mdpi.com/si/254329

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

mdpi.com/journal/ jimaging





# Journal of Imaging

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 6.7 Indexed in PubMed



# **About the Journal**

# 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

### **Author Benefits**

# **Open Access**

free for readers, with article processing charges (APC) paid by authors or their institutions.

### **High Visibility:**

indexed within Scopus, ESCI (Web of Science), PubMed, PMC, dblp, Inspec, Ei Compendex, and other databases.

# Journal Rank:

JCR - Q2 (Imaging Science and Photographic Technology) / CiteScore - Q1 (Radiology, Nuclear Medicine and Imaging)

