

Special Issue

AI-Driven Multimodal Image and Video Processing: Advances and Applications

Message from the Guest Editors

This Special Issue aims to showcase cutting-edge advances in AI-driven multimodal image and video processing, spanning foundational technologies (e.g., cross-modal fusion architectures, representation learning, and generative AI for visual media) and transformative real-world applications across healthcare, metaverses, education, autonomous systems, smart cities, media, remote sensing, and beyond. We seek to bring together researchers, engineers, and practitioners from academia, industry, and research institutions to share innovative findings, exchange interdisciplinary insights, and accelerate the translation of AI-multimodal synergies into practical solutions. By bridging theory and application, this issue will serve as a definitive platform for shaping the future of visual intelligence in an increasingly multimodal world.

Guest Editors

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Deadline for manuscript submissions

31 October 2026



Journal of Imaging

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.7
Indexed in PubMed



mdpi.com/si/267516

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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.

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