

Special Issue

AI-Driven Medical Image/Video Processing

Message from the Guest Editor

Artificial intelligence (AI) has emerged as a transformative force in the field of medical image and video processing, offering unprecedented opportunities to improve diagnosis, treatment planning, and patient outcomes. As AI-driven image processing continues to shape modern technology, addressing challenges, such as those of computational efficiency, interpretability, and ethical considerations, remains crucial. Additionally, there is a need to foster interdisciplinary collaboration and knowledge exchange between clinical professionals and AI experts, bringing more accurate diagnosis and treatment through an integrated approach to the disease. This special issue aims to explore the latest theoretical advancements, methodologies, and practical applications of AI in medical imaging and video analysis. We invite contributions that highlight innovative uses of AI-driven techniques to address challenges in medical image interpretation, video analysis, multimodal imaging, and clinical decision support.

Guest Editor

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Deadline for manuscript submissions

31 January 2026



Electronics

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Impact Factor 2.6
CiteScore 6.1



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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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