

## Special Issue

# Machine Learning Models and Algorithms for Image Processing

### Message from the Guest Editors

We invite you to submit a paper to the Special Issue of *Algorithms* entitled “Machine Learning Models and Algorithms for Image Processing”. Applying machine learning algorithms to image processing is currently experiencing intense development. We are looking for papers in this field, reporting new and innovative approaches and in-depth surveys. High-quality papers are solicited to address both theoretical and practical issues of vision-related machine learning. Potential topics include, but not limited to, object detection, semantic and instance segmentation, image description, deep learning models in computer vision, medical imaging, remote sensing, machine vision, robot vision, underwater image analysis and enhancement, sonar image processing, thermal imaging and object detection/classification in near and far thermal images, image fusion, multi-modal data retrieval, video analysis, anomaly detection, tensor processing for multimedia, driver assisting/monitoring systems, video surveillance, image and video processing for building/construction inspection, image and video in industry, and more.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 June 2025)



## Algorithms

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## About the Journal

### Message from the Editor-in-Chief

*Algorithms* are the core of computational mathematics and computer science. The whole area has been considered from different perspectives, which has led to the development of several sub-communities. The aim is to bring together researchers and practitioners from different areas of computational mathematics and computer science and to offer a platform for interdisciplinary applications in different areas of science and technology. In this way, *Algorithms* may become a forum for the exchange of new stimulating ideas between the different sub-communities working in the area of algorithms and their applications and the presentation of high-quality novel algorithmic approaches.

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### Editor-in-Chief

Prof. Dr. Frank Werner

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