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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About the Journal

Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

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