

Special Issue

Machine Learning Algorithms and Models for Image Processing

Message from the Guest Editor

This Special Issue will accept original research papers, reviews, and reports on various research progresses in machine learning and pattern recognition and the challenges experienced in numerous machine learning algorithms and pattern recognition mechanisms.

Submissions are welcome on optimizing techniques and algorithms based on conventional approaches with new machine learning techniques and mechanisms (e.g., deep learning, support vector machines, statistical methods, manifold-space-based methods, artificial neural networks, convolutional neural networks, recurrent neural networks). Potential topics include but are not limited to:

- Machine and deep learning in healthcare/medicine;
- Computer vision techniques in pattern recognition;
- Computer-aided diagnosis;
- Analyzing fMRI data using deep learning;
- Deep learning in medical science;
- Medical image reconstruction;
- Medical image retrieval.

Guest Editor

Dr. Satya P. Singh

Electronics and Communication Engineering Department, Netaji Subhas University of Technology, Delhi 999008, India

Deadline for manuscript submissions

closed (28 February 2023)



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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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About the Journal

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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).