



Deep Learning in Image Processing and Pattern Recognition

Guest Editors:

Prof. Dr. Yuji Iwahori

Department of Computer
Science, Chubu University, 1200
Matsumoto-cho, Kasugai 487-
8501, Aichi, Japan

Dr. Aili Wang

Heilongjiang Province Key
Laboratory of Laser
Spectroscopy Technology and
Application, Harbin University of
Science and Technology, Harbin
150080, China

Prof. Dr. Haibin Wu

Heilongjiang Province Key
Laboratory of Laser
Spectroscopy Technology and
Application, Harbin University of
Science and Technology, Harbin
150080, China

Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editors

Up to now, image processing technology based on deep learning has rapidly developed and become the most successful applied intelligent technology. Pattern recognition is an important research field in image processing and includes image preprocessing, feature extraction and selection, classifier design, and classification decisions.

In this context, for this Special Issue on “Deep Learning in Image Processing and Pattern Recognition”, we invite original research and comprehensive reviews on, but not limited to, the following:

- Advances in image preprocessing;
- Advances in features and selection of images;
- Advances in pattern recognition in image processing technology;
- Image processing in intelligent transportation;
- Hyperspectral image processing;
- Biomedical image processing;
- Image processing in intelligent monitoring;
- Deep learning for image processing;
- AI-based image processing, understanding, recognition, compression, and reconstruction.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

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

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.

Author Benefits

Open Access: free for readers, with **article processing charges (APC)** paid by authors or their institutions.

High Visibility: indexed within **Scopus**, **SCIE (Web of Science)**, **CAPus / SciFinder**, **Inspec**, and **other databases**.

Journal Rank: JCR - Q2 (*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

Contact Us

Electronics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://twitter.com/electronicsMDPI)