



an Open Access Journal by MDPI

Deep Learning for Image, Video and Signal Processing

Guest Editors:

Dr. Nikolaos Mitianoudis

Department of Electrical and
Computer Engineering,
Democritus University of Thrace,
67100 Xanthi, Greece

Dr. Ilias Theodorakopoulos

Department of Electrical and
Computer Engineering,
Democritus University of Thrace,
67100 Xanthi, Greece

Deadline for manuscript
submissions:

closed (30 September 2024)

Message from the Guest Editors

Deep learning has been a major revolution in modern information processing. All major application areas have been affected positively by this breakthrough, including image, video and signal processing. Deep learning has rendered traditional approaches that employ man-made features obsolete by allowing neural networks to extract optimized features through learning.

The aim of this Special Issue is to present and highlight the newest trends in deep learning for image, video and signal processing applications. These may include, but are not limited to, the following topics:

- Object detection;
- Semantic/instance segmentation;
- Image fusion;
- Image/video spatial/temporal inpainting;
- Generative image/video processing;
- Image/video classification;
- Document image processing;
- Image/video processing for autonomous driving;
- Audio processing/classification;
- Audio source separation;
- Contrastive/semi-supervised learning;
- Knowledge distillation methods.



mdpi.com/si/174287



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Willy Susilo

School of Computer Science and Software Engineering, University of Wollongong, Northfields Avenue, Wollongong, NSW 2522, Australia

Message from the Editor-in-Chief

The concept of *Information* is to disseminate scientific results achieved via experiments and theoretical results in depth. It is very important to enable researchers and practitioners to learn new technology and findings that enable development in the applied field.

Information is an online open access journal of information science and technology, data, knowledge and communication. It publishes reviews, regular research papers and short communications. We invite high quality work, and our review and publication processing is very efficient.

Author Benefits

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

High Visibility: indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [Ei Compindex](#), [dblp](#), and [other databases](#).

Journal Rank: [CiteScore - Q2](#) (*Information Systems*)

Contact Us

Information Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/information
information@mdpi.com
[X@InformationMDPI](#)