



an Open Access Journal by MDPI

Deep Learning in Medical Image Process

Guest Editors:

Prof. Dr. Che-Lun Hung

Institute of Biomedical Informatics, National Yang Ming Chiao Tung University, Taipei, Taiwan

Prof. Dr. Chun-Yuan Lin

Department of Information Engineering and Computer Science, Asia University, Taichung 41354, Taiwan

Prof. Dr. Frédéric Magoulès

Department of Applied Mathematics & Computer Science, Université Paris-Saclay, Saint-Aubin, Paris, France

Deadline for manuscript submissions:

closed (31 January 2023)

Message from the Guest Editors

Recently, deep learning has shown its power to successfully help to identify, classify, segment, reconstruct, and quantify patterns in images. Many deep learning models have been applied to identify abnormalities and highlight conspicuous parts in medical images. Meanwhile, deep learning models are used for reconstruction, denoising, and enhancement quality of medical images.

Deep learning technologies are the power tools that facilitate physicians in diagnosing diseases through medical images in clinical environments. The purpose of this Special Issue “Deep Learning in Medical Image Process” is to present and highlight novel algorithms, architectures, techniques, and applications of deep learning for medical image processes.

This Special Issue welcomes contributions from all aspects of the recent research and development related to

medical image processing that include, but not limited to:

- machine learning
- deep learning
- transfer learning
- medical image
- computer-aided
- explainable AI



mdpi.com/si/93271



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), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

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