electronics

an Open Access Journal by MDPI

IMPACT FACTOR 2.9

CITESCORE 4.7

Machine Learning for Medical Imaging Processing

Guest Editors:

Prof. Dr. Jae Sung Lee
Department of Nuclear Medicine, Seoul National University College of Medicine, Seoul 03080, Republic of Korea

Prof. Dr. Quanzheng Li
Department of Radiology, Massachusetts General Hospital, Harvard Medical School, Boston, MA 02114, USA

Deadline for manuscript submissions:
closed (31 August 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue (SI) encourages authors to present their latest research achievements in relation to new methods and applications of machine learning for medical image processing. Medical image processing involves the use and exploration of 2D or higher dimensional image datasets of the human body obtained from various medical imaging devices to diagnose disease or guide medical interventions. Machine learning is a branch of artificial intelligence based on the idea that systems can learn from data, identify patterns and make decisions with minimal human intervention. Deep neural networks are now state-of-the-art machine learning models used for medical image analysis and processing.

We look forward to the latest research results that suggest feasible solutions for various challenging tasks in medical image processing based on advanced machine learning technology. While not limited to these alone, the typical biomedical image datasets of interest include those acquired from:

X-ray;

Computed tomography;

Magnetic resonance imaging;

Nuclear medicine;

Ultrasound;

Optical and confocal microscopy;

mdpi.com/si/86231

Special Issue

electronics

IMPACT FACTOR 2.9

CITESCORE 4.7

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, 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