



Machine Learning in Electronic and Biomedical Engineering

Guest Editors:

Prof. Dr. Turchetti Claudio

Department of Information
Engineering - DII, Università
Politecnica delle Marche, Via
Brecce Bianche 12, I-60131
Ancona, Italy

Dr. Laura Falaschetti

Department of Information
Engineering - DII, Università
Politecnica delle Marche, Via
Brecce Bianche 12, I-60131
Ancona, Italy

Deadline for manuscript
submissions:

closed (31 March 2022)

Message from the Guest Editors

The Special Issue seeks to collect contributions from researchers involved in developing and using machine learning techniques applied to:

- Embedded systems for artificial intelligence (AI) applications, in which the interest is focused on implementing these algorithms directly in the devices, thus reducing latency, communication costs, and privacy concerns;
- Edge computing, where the aim is to process AI algorithms locally on the device, i.e., where the data are generated, by focusing on compression techniques, dimensionality reduction, and parallel computation.
- Wearable sensors for collecting biological data;
- Human activity detection as well as the diagnosis and prognosis of patients based on the investigation of data collected from sensors;
- Intelligent decision systems and automatic computer-aided-diagnosis systems for early detection and classification of diseases;
- Neuroimaging techniques such as magnetic resonance, ultrasound imaging, computed tomography to aid in the diagnosis and prediction of diseases.

Welcome to contribute.





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](#)