Signal and Image Processing Applications in Artificial Intelligence

Guest Editors:

Dr. Fabio Mendonca
ITI/Larsys/Higher School of
Technology and Management,
University of Madeira, 9020-105
Funchal, Portugal

Dr. Morgado Dias
Madeira Interactive Technologies
Institute and ITI/Larsys,
Universidade da Madeira, 9000-
390 Funchal, Portugal

Dr. Sheikh Shanawaz Mostafa
Instituto Superior Técnico,
Universidade de Lisboa, 1049-001
Lisboa, Portugal

Deadline for manuscript
submissions:
17 December 2024

Message from the Guest Editors

This Special Issue focuses on general applications of artificial intelligence using signal and image processing, covering a broad range of research topics where data-driven decision-making is employed. The relevance of these topics is continuously increasing, as machine-learning-based components are becoming the backbone of modern systems using the Internet of Things (IoT) to bring intelligence to our daily activities. These intelligent devices provide outstanding data collection capabilities, but there is a need to develop sophisticated data-driven algorithms to process the generated information. Likewise, this Special Issue would like to address the impact of machine learning and the novel methods based on deep learning with big data on conventional and new research issues, studying how these new techniques can help improve the state-of-the-art.

Topics of interest include, but are not limited to:

- Data-driven algorithms based on IoT systems generated data;
- Applications of transfer learning for image processing;
- Object detection using machine learning;
- Feature selection techniques;
- IoT-based applications with data analysis;
- Real-world applications of machine learning.

mdpi.com/si/135245

Special Issue

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