

Special Issue

Signal and Image Processing Applications in Artificial Intelligence

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.

Guest Editors

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Deadline for manuscript submissions

closed (17 December 2024)



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About the Journal

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.

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