

Special Issue

Recent Advances in Signal Processing and Applications

Message from the Guest Editors

From analog to digital, signal processing is present in almost all domains where it is used to convert and transform data. Signal processing algorithms and techniques allow us to analyze and transform all types of data.

Signal processing is applied in many different applications: image processing, audio processing, speech recognition and synthesis, RADAR and LIDAR processing, model analysis, medical data analysis, weather forecasting, image classification, object detection, image segmentation, etc.

This Special Issue aims to collect studies on recent advances in signal processing and its applications. Potential topics include, but are not limited to:

- Signal processing algorithms for image, data, and audio;
- Algorithms for LIDAR processing;
- Machine learning algorithms for signal processing;
- Signal processing with deep learning;
- New architectures for signal processing;
- Signal processing architectures in FPGA and ASIC;
- Algorithms for speech synthesis and translation;
- Signal processing on the edge;
- Signal processing on devices for the Internet of Things;
- New applications from novel signal processing algorithms;
- Other related topics.

Guest Editors

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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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