

Special Issue

Advanced Signal Processing and Circuit Analysis

Message from the Guest Editors

The electronic circuit consists of vital components such as diodes, resistors, inductors, capacitors, transformers, amplifiers and batteries. Various types of sensors are employed in circuits to measure quantities such as voltage, current, flux and acceleration, etc. The signals coming from sensors need signal conditioning and processing networks to remove noise and other harmonics. The Special Issue will focus on applications of advanced signal processing and circuit analysis techniques in machine fault diagnostics, energy management, e-health systems, heterogeneous networks, fiber optics, modern communication channels, environment forecasting and resource management, the integration of hardware and software technologies, Artificial Intelligence (AI), Internet of Things (IoT) and microelectronics applications in smart cities.

- Advanced signal and image processing techniques
- Advances in semi-conductor devices
- Microelectronic circuit analysis
- Sensor measurements
- Smart sensors for machine fault analysis
- Digital technologies for health management
- AI and IoT for smart healthcare
- Advanced circuits for intelligent transportation
- Optical networks

Guest Editors

Prof. Dr. Adam Glowacz
Dr. Muhammad Irfan
Dr. Thompson Sarkodie-Gyan

Deadline for manuscript submissions

closed (31 August 2021)



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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).