

Special Issue

Cutting-Edge, Wearable Electronic Technologies and Applications

Message from the Guest Editors

Wearable sensor development and diffusion have thrived in recent decades, owing to the significant progress in sensor miniaturization, performance, and low-power consumption. The main focus of this Special Issue is on cutting-edge developments of wearable sensors, from the perspectives of electronics, sensors, and various applications, including relevant hardware/software tools for data acquisition, processing, and communication, aimed at monitoring physiological signs or the environment in real-time. Topics of interest include, but are not limited to, the following:

- Wearable electronics for healthcare applications;
- Sensors and electronics for wellness applications;
- Wearable and ambient sensors;
- Integrated circuits and systems for sensor signal acquisition and processing;
- Biopotentials measurements;
- Environmental sensing with miniaturized electronic systems;
- Wireless body sensor networks;
- Smart textile solutions for wearable electronics;
- Real-time body fluid analysis;
- Body motion tracking systems;
- Energy harvesting;
- Hardware/software platforms for sensor data processing and communication.

Guest Editors

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Dr. Luigi Gaioni

Dr. Elisa Riceputi

Deadline for manuscript submissions

closed (15 September 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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).