Special Issue

Advanced Wearable/Flexible Devices and Systems in Bioelectronics

Message from the Guest Editors

Wearable systems have been widely applied to biomedical engineering in motion recognition, health monitoring, human ability rehabilitation, and augmentation. More and more novel wearable devices are developed with the progress of electronics. Exoskeletons, intelligent prosthesis, and rehabilitation robotics are typical wearable systems applied to biomedical engineering. To ensure the rapid development of biomedical engineering devices, wearable systems are a cutting-edge approach, but with several difficulties, requiring continued research focus. The purpose of the Special Issue is to share the latest wearable systems applied to biomedical engineering and promote the progress in wearable technology. This includes:

- Wearable sensor systems applied to humans;
- Upper and lower limb exoskeletons;
- Intelligent prosthesis;
- Human–machine interaction in biomedical engineering;
- Motion intention recognition;
- Biomedical signal processing;
- Bio-inspired control;
- Wearable electronics;
- Wearable rehabilitation robotics;
- Motion analysis by wearable systems;
- Motion augmentation by wearable systems.

Guest Editors

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Deadline for manuscript submissions

closed (15 August 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).

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