Special Issue

Advanced Techniques in Biorobotics

Message from the Guest Editors

This Special Issue aims to present the latest advances in electronic technologies as they pertain to biorobotics. We seek to provide a platform for researchers to share their findings and insights into how electronic components and systems can be optimized and applied to biohybrid robots, biosensors, bio-controllers, and biomimetic robots. Suggested themes for this Special Issue include, but are not limited to, the following areas:

- Electronic interfaces for biohybrid robots/actuators;
- Advanced electric actuation and driving technologies for biorobots;
- Advanced electronic biosensing technologies;
- Bioinspired and neuromorphic electronic control systems;
- Flexible and stretchable electronics in soft biorobotic systems;
- Integration of MEMS/NEMS in miniaturized biorobotic systems;
- Novel electronic materials for biorobotic interfaces;
- Control algorithms and strategies for electrically driven biorobots.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

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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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