

## 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.***

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### Guest Editors

Dr. Yingzhe Wang

Dr. Mochammad Ariyanto

Dr. Xiyang Sun

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### Deadline for manuscript submissions

15 October 2025



## Electronics

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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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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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