

## Special Issue

# Design and Optimization of Robotic Devices

### Message from the Guest Editors

As robots are increasingly deployed in fields such as manufacturing, healthcare, logistics, and beyond, the need for optimized and efficient robotic design has become more critical than ever. This Special Issue aims to highlight the latest advancements and research in the design and optimization of robotic systems. We seek contributions that expand the current knowledge and explore the following related themes:

- Innovative robotic design methodologies and frameworks;
- Optimization algorithms for enhancing robotic systems' performance;
- The development and implementation of energy-efficient robots;
- The design and optimization of robots for specific applications such as medical, agricultural, and industrial automation;
- The integration of advanced materials and technologies in robotic systems;
- Multi-objective optimization in robotics, balancing speed, accuracy, and energy consumption;
- Adaptive and reconfigurable robotic systems for dynamic environments.

We look forward to receiving your contributions to this Special Issue, which we believe will drive forward the development of more advanced, efficient, and adaptable robotic systems in the future.

### Guest Editors

Dr. Melania Tera

Prof. Dr. Radu-Eugen Breaz

Dr. Mihai Crenganiș

### Deadline for manuscript submissions

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

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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