Special Issue

Nonlinear Control in Robotics

Message from the Guest Editor

This Special Issue on “Nonlinear Control in Robotics”, part of the *Electronics* MDPI Journal, offers a framework for the presentation of scientific research that brings together interesting and relevant contributions in the field of nonlinear controllers applied in robotics. Therefore, this Special Issue is focused on new approaches for nonlinear control in robotic systems (manipulators, mobile robotics, drones, UAV, humanoid robots, space robotics, etc.). These new approaches include but are not limited to the following:

- Motion control;
- Force control;
- Visual serving;Neural networks in robot control;
- Intelligent control in robotics;
- Deep learning and machine learning;
- Optimal control in robotics;
- Adaptive and robust control in robotics;
- Model-based control design for robotic systems;
- Modeling and simulation of robotic systems;
- Nonlinear controllers in field robotics.

Guest Editor

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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 guest-edited 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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