Special Issue

Advanced Intelligent Control Theory and Applications in Industrial Electronic Systems

Message from the Guest Editors

This Special Issue provides a platform for researchers and practitioners to present the latest theoretical and technological advancements in industrial control systems, aiming to improve productivity, quality, and safety at low costs across a variety of industries. Application areas include robotics, new energy systems, and other related industry applications. The topics of this Special Issue include the following:

- Control theories, design, and implementation for industrial systems.
- Adaptive control, optimal control, robust control, and intelligent control for industrial systems.
- Sliding mode control, backstepping control, model predictive control, etc.
- Neural network control, fuzzy control, reinforcement learning control, etc.
- Application of data-driven and digital twin technologies in industrial systems.
- Applications to robotic systems, manipulators, new energy systems, autonomous systems, etc.

Guest Editors

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Deadline for manuscript submissions

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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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