

Special Issue

Intelligent Perception, Planning and Control Technology for Autonomous Unmanned Systems

Message from the Guest Editors

This invited paper invites original papers including innovative ideas, concepts, discoveries, improvements, and applications related to “Intelligent perception, planning, and control technology for autonomous unmanned systems”. We hope researchers in relevant fields take advantage of this opportunity to report the recent results to the scientific community. The list of topics includes, but is not limited to:

- Intelligent control and trajectory planning of robots;
- Structural design, modeling, and high dynamic control of soft robots;
- Cooperative perception and mapping of heterogeneous unmanned systems;
- Dynamics and intelligent control of space unmanned systems;
- Multi-task decision-making and game confrontation for unmanned systems in wide-area environments;
- High-precision control of robot joint motors;
- Multi-motor coordination and control;
- Power system scheduling and energy management;
- Optimization and control of smart grids.

Guest Editors

Dr. Zhuang Liu

Dr. Xinpo Lin

Prof. Dr. Yue Zhao

Prof. Dr. Yabin Gao

Prof. Dr. Jianxing Liu

Deadline for manuscript submissions

closed (15 February 2026)



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.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).