

## Special Issue

# Artificial Intelligence-Based Guidance, Navigation, and Control Technologies for Multiple Mobile Robotic Systems

### Message from the Guest Editors

This Special Issue will gather the latest research results in the area of tackling the military and civil missions of MMRSs, with an emphasis on AI-based GNC methods. We invite researchers to contribute original research articles and comprehensive review articles. Topics include but are not limited to the following:

- Intelligent swarm and flocking control;
- Deep learning target detection and tracking;
- GPS-denied indoor and outdoor navigation;
- Deep reinforcement learning path planning;
- Deep reinforcement learning task planning.

### Keywords

- intelligent control
- intelligent optimization
- deep learning
- reinforcement learning
- multi-agent systems

---

### Guest Editors

Dr. Yang Xu

School of Aviation, Northwestern Polytechnical University, Xi'an 710072, China

Dr. Delin Luo

School of Aerospace Engineering, Xiamen University, Xiamen 361102, China

---

### Deadline for manuscript submissions

31 December 2025



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/211086](https://mdpi.com/si/211086)

*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto:electronics@mdpi.com)

[mdpi.com/journal/  
electronics](https://mdpi.com/journal/electronics)





# Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/journal/  
electronics](https://mdpi.com/journal/electronics)



## 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

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di  
Torino, 10129 Torino, Italy

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus /  
SciFinder, Inspec, Ei Compendex and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /  
CiteScore - Q1 (Electrical and Electronic Engineering)

#### Rapid Publication:

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).