

## Special Issue

# Trends in Embodied-Intelligence Unmanned Vehicle Technology and Applications of Intelligent Transport Systems

### Message from the Guest Editors

We welcome manuscripts from all areas of vehicle technology and intelligent transport systems that may be of interest to international readers. To improve the quality and visibility of the journal, we encourage the submission of well-designed studies and high-quality datasets. Original research articles and comprehensive review papers are also welcome. Potential topics include, but are not limited to, the following:

- Autonomous driving, intelligent driving, and unmanned driving;
- Embodied intelligence;
- Perception, cognition, and behavior; Interactive perception; Bio-inspired visual perception;
- Integration technology of perception, decision-making, and control;
- SLAM(simultaneous localization and mapping);
- LiDAR(light detection and ranging), millimeter wave radar, RGB and RGB-D cameras, and multi-spectral optical sensors;
- Decision making with learning ability;
- Self-growth control; Bio-inspired formation control;
- Multi-sensor and multi-source information fusion;
- Brain-inspired intelligence, and end-to-end deep learning neural network;
- Disturbance observer, and disturbance self-rejection control;

---

### Guest Editors

Prof. Dr. Jian Chen

College of Engineering, China Agricultural University, Beijing 100083, China

Dr. Qingchun Feng

Intelligent Equipment Research Center, Beijing Academy of Agriculture and Forestry Sciences, Beijing, China

---

### Deadline for manuscript submissions

closed (25 December 2024)



## Drones

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 7.4



[mdpi.com/si/184515](https://mdpi.com/si/184515)

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

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





# Drones

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 7.4



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



## About the Journal

### Message from the Editor-in-Chief

*Drones* is an international open access journal focusing on advancing research in drone science, policy, technology, and applications. Today, drones have become indispensable for policymakers, regulatory authorities, mapping agencies, start-ups, and established firms. Their expanding societal and economic relevance is reflected in the rapid development of new sensors, upgraded platforms, specialized software, and novel applications. The journal provides a central forum for scholars in drone research and applications to exchange findings and innovations. With growing demand for high-quality research, our Editorial Board comprises international leaders and experts across relevant scientific areas. We offer rigorous peer review and rapid publication of papers from across all areas of drone science. We welcome you to submit your next paper to *Drones* and to contribute to the continued advancement of and innovations in the field of drones.

---

### Editor-in-Chief

Prof. Dr. Diego González-Aguilera

Cartographic and Land Engineering Department, Higher Polytechnic School of Avila, University of Salamanca, Hornos Caleros, 50 05003 Avila, Spain

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High visibility:

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

#### Journal Rank:

JCR - Q1 (Remote Sensing) / CiteScore - Q1 (Aerospace Engineering)