

Special Issue

Cross-Modal Autonomous Cooperation for Intelligent Unmanned Systems

Message from the Guest Editors

This Special Issue welcomes the submission of original research articles and review papers that provide insights into algorithm design, hardware innovation, system integration, and application expansion, encompassing theoretical breakthroughs, technological verification, and engineering practices. We particularly welcome interdisciplinary approaches (e.g., bionics, edge computing, digital twins) that explore novel paradigms for extreme environments, high-density urban areas, and civil–military integration scenarios. The scope of this Special Issue includes, but is not limited to, the following topics:

- Autonomous navigation and SLAM technologies;
- Multi-modal sensor fusion and intelligent perception;
- Swarm cooperative control and collective intelligence;
- Lightweight structures and high-efficiency propulsion systems;
- Anti-jamming communications and cyber security;
- Human–machine collaboration with ethical/regulatory frameworks;
- Innovative applications in disaster response, logistics distribution, and environmental monitoring.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Drones is the only international open-access journal about the science, policy and technology of drones and its applications. Nowadays, the proliferation of drones is a reality for local policy makers, regulatory bodies, mapping authorities, startups and consolidated companies. There are many uses and benefits of drones: from the emergence of new sensors and the evolution of new platforms; to the development of specific software and the emergence of new applications. *Drones* publishes reviews, regular research papers, communications and short notes, without restriction on the length of papers. *Drones* seeks to provide a central forum for scholars engaged in drones' research and applications.

There is a need for high quality papers in this area and the *Drones* Editorial Board are widely recognized international leaders. *Drones* journal guarantees a serious peer review and a rapid publication across the whole discipline of drones.

Editor-in-Chief

Prof. Dr. Diego González-Aguilera

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