Special Issue

Swarm Intelligence-Inspired Planning and Control for Drones

Message from the Guest Editors

We are pleased to invite you to submit manuscripts to the MDPI *Drones* Special Issue on "Swarm Intelligence-Inspired Planning and Control for Drones". This Special Issue is inspired by the applications of networked drones in complex and variable missions. Within this context, we invite manuscripts for this Special Issue on "Swarm Intelligence-Inspired Planning and Control for Drones". Papers are solicited in areas directly related to topics including, but not limited to, those listed below: (1) Swarm intelligence-based task and path planning for drone swarms:

- (2) Cooperative control scheme for drone swarms;
- (3) Optimization techniques for swarm behavior and performance;
- (4) Collision avoidance and conflict resolution in drone swarms:
- (5) Real-time communication and coordination among networked drones:
- (6) Applications of swarm intelligence for drones in dynamic and complex environments.

Guest Editors

Prof. Dr. Kaivu Qin

Prof. Dr. Haitao Nie

Prof. Dr. Jinliang Shao

Prof. Dr. Lei Shi

Dr. Mengji Shi

Dr. Boxian Lin

et al.

Deadline for manuscript submissions

31 March 2026



Drones

an Open Access Journal by MDPI

Impact Factor 4.8 CiteScore 7.4



mdpi.com/si/213757

Drones
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
drones@mdpi.com

mdpi.com/journal/drones





Drones

an Open Access Journal by MDPI

Impact Factor 4.8 CiteScore 7.4





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

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)