



Multi-UAV Networks

Guest Editors:

Dr. Zhihong Liu

Dr. Shihao Yan

Dr. Yirui Cong

Dr. Kehao Wang

Deadline for manuscript
submissions:

closed (31 May 2023)

Message from the Guest Editors

Dear Colleagues,

Multi-UAV systems have been revealing great potential values in applications such as surveillance, disaster rescue, mapping, cargo delivery, etc. Through coordination among multiple or even a swarm of UAVs, multi-UAV systems can improve the mission capability, survivability, and flexibility. The Special Issue solicits key theoretical and practical contributions to networking as well as the control problems for multi-UAV systems.

We solicit high-quality original research papers on topics including, but not limited to:

- Multi-UAV Swarms in 5G Networks
- Networked Control Under Communications Constraints
- Localization of Mobile Nodes in Wireless Networks
- Adaptive/Learning-based Observer and Parameter Estimation
- Reliable Wireless Networks and Delay-tolerant Networking (DTN) protocols for Multi-UAV Systems
- Cooperative Control,
- Task Scheduling,
- Interference Management,
- Resource Allocation,
- Multi-Function Device of Multi-UAV Systems



mdpi.com/si/130278

Dr. Zhihong Liu
Dr. Shihao Yan
Dr. Yirui Cong
Dr. Kehao Wang
Guest Editors

Special Issue



drones



an Open Access Journal by MDPI

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

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.

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](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Remote Sensing*) / CiteScore - Q1 (*Aerospace Engineering*)

Contact Us

Drones Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/drones
drones@mdpi.com
[X@Drones_MDPI](#)