

Special Issue

Intelligent Coordination of UAV Swarm Systems

Message from the Guest Editors

In order to greatly improve the mission execution efficiency of UAV swarm systems, intelligent coordination theory and technology has become a cutting-edge and difficult research focus in the past several decades. How to design distributed cooperative approaches to realize the organic collaboration of perception and cognition, navigation and positioning, decision and planning, guidance and control, and evaluation and verification is a hot topic of current academia and industry. This Special Issue originates from "2022 5th IEEE International Conference on Unmanned Systems (IEEE ICUS 2022, <https://icus2022.c2.org.cn/index.html>), which will be held on 28-30 October 2022, Guangzhou, China. The most exciting and innovative papers related to drones presented at IEEE ICUS 2022 will be selected to be extended and included in this Special Issue. Papers are solicited in areas directly related to these topics, but not limited to:

- UAV swarm intelligent perception and cognition;
- Autonomous navigation and positioning;
- Intelligent decision making and motion planning;
- Cooperative guidance;
- Distributed control;
- Simulation and experiment verification for UAV swarm systems.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2023)



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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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