



drones

an Open Access Journal by MDPI



Advanced Intelligent Decision-Making and Flight Control of Unmanned Aerial Vehicles

Guest Editors:

Prof. Dr. Mou Chen

Prof. Dr. Bin Jiang

Prof. Dr. Youmin Zhang

Dr. Zixuan Zheng

Dr. Shuyi Shao

Deadline for manuscript
submissions:

closed (30 September 2023)

Message from the Guest Editors

With the deep integration of unmanned aerial vehicles (UAVs) with intelligent computing and other information technologies, an intelligent unmanned system has evolved, integrating information perception, autonomous decision-making and dynamic control. Such a system will gradually replace manned aircraft to perform military and civil tasks in the complex environments of the future. To successfully accomplish these tasks, UAVs are required not only to have intelligent decision-making abilities so as to adapt to unknown environments, but also to have good flight control performance in complex dynamic environments. Therefore, the intelligent decision-making technologies and the safe flight control schemes of UAVs in complex dynamic environments need to be fully considered in the future research into UAVs.

This Special Issue aims to provide a forum for researchers and practitioners in the fields of decision-making and intelligent control on UAVs to disseminate their new ideas and research results. At the same time, the themes of “[The 6th International Symposium on Autonomous Systems](#)” are related to the Special Issue.



mdpi.com/si/149896

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](#)