Special Issue

Advanced Intelligent Decision-Making and Flight Control of Unmanned Aerial Vehicles 2nd Edition

Message from the Guest Editors

With the extensive 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 in performing civil tasks in the complex environments of the future. To successfully accomplish these tasks, UAVs must have not only intelligent decision-making abilities so as to adapt to unknown environments but also good flight control performance in complex dynamic environments. Therefore, intelligent decision-making technologies and safe flight control schemes of UAVs in complex dynamic environments need to be fully considered in the future research on UAVs. Topics of interest include, but are not limited to: Artificial Intelligence; Unmanned System Command and Control; Guidance Law Design; Active Vibration Control; Neural/Fuzzy Control; Fault-Tolerant Control; Discrete Controller Design; Novel Disturbance Rejection Control; Adaptive Estimation and Control; Path Planning; Cooperative Control of UAVs; UAV Modeling and Simulation; Decision Making; Task Assignment

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Deadline for manuscript submissions

closed (30 April 2025)

Drones

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.

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