

## 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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### Guest Editors

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Prof. Dr. Bin Jiang

Prof. Dr. Youmin Zhang

Dr. Zixuan Zheng

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### Deadline for manuscript submissions

closed (30 April 2025)



## Drones

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### Message from the Editor-in-Chief

*Drones* is an international open access journal focusing on advancing research in drone science, policy, technology, and applications. Today, drones have become indispensable for policymakers, regulatory authorities, mapping agencies, start-ups, and established firms. Their expanding societal and economic relevance is reflected in the rapid development of new sensors, upgraded platforms, specialized software, and novel applications. The journal provides a central forum for scholars in drone research and applications to exchange findings and innovations. With growing demand for high-quality research, our Editorial Board comprises international leaders and experts across relevant scientific areas. We offer rigorous peer review and rapid publication of papers from across all areas of drone science. We welcome you to submit your next paper to *Drones* and to contribute to the continued advancement of and innovations in the field of drones.

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### Editor-in-Chief

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