

Special Issue

Autonomous Flight of Drone: Control, Trajectory Optimization and Mission Planning: 2nd Edition

Message from the Guest Editors

We are pleased to invite you to submit manuscripts to the MDPI *Drones* Special Issue, titled “Autonomous flight of drone: Control, trajectory optimization and mission planning”. This Special Issue aims to present the advances in enhancing the autonomous level of drones during flight operation. To be specific, we focus on the latest developments in flight control, trajectory optimization, mission planning and decision-making for drones (the heterogeneous vehicle system which contains the drones is also interesting). We invite authors to submit original research articles and reviews for this Special Issue. Research areas may include (but not limited to) the following:

- Pilot modeling and human–aircraft interaction;
- Pilot/autopilot cooperative control;
- Integrated flight/propulsion control;
- Hypersonic aircraft control;
- Intelligent control application;
- Flapping wing aircraft control;
- UAV formation control;
- UAV path planning and trajectory optimization;
- Cooperative control for UAVs;
- Task scheduling for UAV swarm;
- Design and application of heterogeneous vehicle system.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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.

Editor-in-Chief

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