Special Issue

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

Message from the Guest Editors

When the drones meet the information science, their autonomous flight ability is expected to be enhanced from different levels, i.e., in terms of execution, planning, and decision-making. "Autonomous Flight of Drone: Control, Trajectory Optimization and Mission Planning" aims to present the advances in enhancing the autonomous level of drones during the flight operation. To be specific, we focus on the latest developments in flight control, trajectory optimization, and mission planning for drones (the heterogeneous vehicle system which contains the drones are also interested). 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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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

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