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The Conceptual Design Methodology for UAV: New Research and New Development

Guest Editors:

Dr. Jie Li

Dr. Jinli Suo

Dr. Meng Guo

Dr. Min Chang

Dr. Zhaowei Ma

Dr. Changyun Wei

Deadline for manuscript submissions:
closed (16 May 2024)

Message from the Guest Editors

The goal of this Special Issue is to collect papers (original research papers and review papers) on innovative directions for drone perception, decision making, and control, new sensors, energy and propulsion systems, and the use of emerging AI technologies such as LLM in drones. This publication welcomes all kinds of papers that adhere to academic norms and do not involve legal conflicts. This includes, but is not limited to, review papers, theoretical research papers, and applied research papers.

This Special Issue will welcome manuscripts that connect to the following themes:

- Design and implementation of the hybrid aquatic aerial vehicle;
- New discoveries in UAV energy and power systems;
- Autonomous localization of UAVs under GPS-denied environment;
- Application of novel sensing technologies in UAVs;
- High-precision robust and fast maneuver control of UAVs;
- Autonomous/cooperative decision and planning for UAVs/swarms;
- New exploration of large models or new artificial intelligence technologies in the field of drones.

We look forward to receiving your original research articles and reviews.

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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.

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Contact Us

Drones Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

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drones@mdpi.com
𝕏@Drones_MDPI