



Conceptual Design, Modeling, and Control Strategies of Drones-II

Guest Editor:

Prof. Dr. Andrey V. Savkin

School of Electrical Engineering
and Telecommunications,
University of New South Wales,
Sydney, NSW 2052, Australia

Deadline for manuscript
submissions:

closed (24 November 2023)

Message from the Guest Editor

Dear Colleagues,

The use of aerial drones, also known as flying robots, unmanned aerial vehicles or airships, as well as the use of unmanned marine vehicles is rapidly expanding to numerous applications. For all these applications, conceptual design, modeling and control strategies of aerial and marine drones are critical issues. Advanced methods of modeling, navigation and control play an important role in achieving the reliable, robust, secure and cost-effective functioning of drones. This Special Issue is focused on new developments in the field of modeling, navigation and control strategies for various applications. Potential topics include but are not limited to UAV control systems, advanced methods of UAV navigation and guidance, navigation of autonomous underwater vehicles and unmanned surface vehicles, mathematical models of aerial and marine drones, navigation and control of collaborating UAVs and ground vehicles, control and navigation of aerial and marine drones for surveillance, environmental, delivery, rescue, smart agriculture, policing and security applications.





an Open Access Journal by MDPI

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [Inspec](#), [Ei Compendex](#) and [other databases](#).

Journal Rank: JCR - Q1 (Remote Sensing) / CiteScore - Q1 (Aerospace Engineering)

Contact Us

Drones Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/drones
drones@mdpi.com
[X@Drones_MDPI](#)