Special Issue

Conceptual Design, Modeling, and Control Strategies of Drones 3rd Edition

Message from the Guest Editor

The use of aerial drones, which are also known as flying robots, unmanned aerial vehicles (UAVs) or airships; unmanned marine vehicles is rapidly expanding to numerous applications, such as communication, environmental monitoring, rescue operations, policing, video surveillance, product deliveries and smart agriculture. For these applications, the 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 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;
- The navigation of autonomous underwater vehicles and unmanned surface vehicles;
- Mathematical models of aerial and marine drones;
- The navigation and control of UAVs, ground vehicles, aerial and marine drones for surveillance, environmental, delivery, rescue, smart agriculture, policing and security applications.

Guest Editor

Prof. Dr. Andrey V. Savkin

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

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Drones
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
drones@mdpi.com

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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

Prof. Dr. Diego González-Aguilera
Cartographic and Land Engineering Department, Higher Polytechnic School of Avila, University of Salamanca, Hornos Caleros, 50 05003 Avila, Spain

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