Special Issue

Conceptual Design, Modeling, and Control Strategies of Drones

Message from the Guest Editors

The use of aerial drones, also known as flying robots, unmanned aerial vehicles (UAVs) or airships, is rapidly expanding to numerous applications, such as communication, environmental monitoring, rescue operations, policing, video surveillance, product deliveries and smart agriculture. For all these applications, conceptual design, modelling and control strategies of aerial drones are critical issues. Advanced methods of modelling, navigation and control play an important role in achieving the reliable, robust, secure and cost-effective functioning of aerial drones. This Special Issue is focused on new developments in the field of modelling, 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, mathematical models of aerial drones, control and navigation of aerial drones for surveillance, environmental, delivery, rescue, smart agriculture, policing and security applications.

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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.

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