

Special Issue

AI-Assisted Control Strategies and Their Applications to the Stabilization, Guidance and Navigation of Drones

Message from the Guest Editor

The design of drones involves a multitude of factors, including their structure, power systems and onboard sensors. Optimizing these elements can enhance the drone's efficiency, durability and functionality, enabling it to perform better and withstand various operational conditions. The dynamics of drones, which involve their movement patterns, stability and control systems, are also crucial. Understanding and improving these dynamics can lead to more precise and reliable drone operations. Navigation is another key aspect of drone technology. It involves the guidance, control and coordination mechanisms that allow drones to move from one location to another, avoid obstacles and perform their tasks. Improving navigation systems can enhance the autonomy of drones, enabling them to operate in more complex and unpredictable environments. This Special Issue aims to explore these topics and highlight the latest advancements in the field.

Guest Editor

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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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