Special Issue

Advanced UAV Task Verification: Trajectory Generation, Planning, Control and Guidance

Message from the Guest Editor

In the area of unmanned aerial vehicles, with the ever-increasing advent of more powerful digital electronics, controllers, sensors, and technologies as well as the access to cost reduction, advanced controls, and measurement strategies are becoming feasible and affordable for the civil operation managed by SMEs. This improves market penetration of their robotics version where tasks can be achieved autonomously. As we can appreciate the drone's ever-increasing application in more areas of civil operations, research has continued to examine the control methods to generate advanced trajectory generation. It is become essential to contextualize and specialize the control strategies in order to target and achieve the specifics of tasks requiring very specialized performance criteria. From the robotics and controls point of view, trajectory generation requires examining and studying formal methods which allow for generating proper path planning, path control and path guidance. This Special Issue aims at collecting new developments and methodologies, best practices and applications of UAVs in task verification related to trajectory or path analysis where generation includes.

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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