Special Issue

Recent Advances in UAV Navigation

Message from the Guest Editor

In recent years, the number of potential applications for Unmanned Aerial Vehicles (UAVs) has significantly increased. Current applications include environmental monitoring, surveillance, mapping, agriculture, aerial photography, infrastructure monitoring, search and rescue, and law enforcement. For many commercial UAVs, Global Navigation Satellite Systems (GNSS) such as the Global Positioning System (GPS) have become one of the most dependable solutions for position and navigation. Alternative navigation technologies may include the integration of inertial sensors with imagery and laser scanners, beacon-based navigation, navigation using signals of opportunity or novel integration approaches. UAVs may also collaborate with other UAVs operating in their vicinity to obtain a better navigation solution by exploiting the exchange of navigation-related information.

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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