Special Issue

The Application of Image Processing and Signal Processing Techniques in Unmanned Aerial Vehicles

Message from the Guest Editors

Image and signal processing in UAVs is becoming increasingly important. The cameras, LiDARs, inertial sensors, and other advanced sensors mounted on UAVs can transmit data that are more flexible and have a better view than ground platforms. With the development of artificial intelligence and computer vision, the sensor data from UAVs can also be used for object recognition, tracking, 3D reconstruction, SLAM, etc. This Special Issue is dedicated to collect and promote the latest work of image processing and signal processing techniques on drone platforms. The applications include but are not limited to drone photography, object detection and tracking, 3D reconstruction, drone localization, path planning, navigation, and drone autonomy.

Guest Editors

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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

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