Intelligent Image Processing and Sensing for Drones

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Message from the Guest Editor

Multiple sensors can be mounted on a drone. In addition to conventional visual cameras, infrared thermal imaging and multispectral imaging are available for drones. LiDAR and SAR are active sensors that can be mounted on drones. These mobile aerial imaging sensors provide a new perspective on research and development for a variety of applications. However, more challenges are often posed than grounded cameras because of the unique sensing environments and limited resources of a drone. Certainly, information acquired by a drone is of tremendous value, thus intelligent analysis of them is necessary to make the best use of it.

This Special Issue focuses on a wide range of intelligent processing of images and sensor data acquired by drones. The objectives of intelligent processing range from the refinement of raw data to the symbolic representation and visualization of the real world. This can be achieved through image/signal processing or deep/machine learning algorithms. The latest technological developments will be shared through this Special Issue. Researchers and investigators are invited to contribute original research or review articles in this Special Issue.

Special Issue

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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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