Special Issue

Mission Planning, Perception and Control for Drones in Wide-Area Operations

Message from the Guest Editors

This Special Issue, entitled Mission Planning, Perception, and Control for Drones in Wide-area Operations, aims to provide a scientific platform regarding the new trends in technologies for drones in wide-area operations, including mission planning technology, artificial intelligence, autonomous intelligent unmanned systems, and the combination of learning and control. Topics of interests include, but are not limited to, the following: 1) Motion control and path planning for wide-area operating drones; 2) Mission planning for wide-area operating drones; 3) Task decomposition and allocation for wide-area operating drones; 4) Simultaneous localization and mapping in a complex environment; 5) Vision recognition and detection; 6) Intelligent perception techniques; 7) Model-based predictive control for intelligent systems; 8) Robust control, sliding mode control, and adaptive control; 9) Deep learning and reinforcement learning; 10) Architecture for learning and control integration; 11) Advanced decision and control methods for unmanned systems; 12) Intelligent swarm and formation.

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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