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Perception, Decision-Making and Control of Intelligent Unmanned System

Guest Editors:

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Deadline for manuscript submissions:
25 October 2024

Message from the Guest Editors

This Special Issue focuses on the design of intelligent drone systems, including research into control systems, artificial intelligence, decision-making, UAV modelling and simulation, etc. The aim of this Special Issue is to provide a venue for drones research on artificial intelligence, unmanned systems, robotics, automation, intelligent systems, etc. All papers will be published in an open access format following peer review. Both research papers and overview papers are welcome. Topics of interest include (but are not limited to) the following:

- Intelligence unmanned systems;
- Artificial intelligence;
- Robotics and automation;
- Machine learning;
- Safe learning;
- Formation control;
- Group formation tracking;
- Bipartite cooperative;
- SLAM (simultaneous localization and mapping);
- Collaborative perception and positioning;
- Decision making;
- Drones;
- Path planning;
- Image fusion;
- Feature fusion;
- Sensor fusion;
- Scene understanding.

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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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