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Advances in Perception, Communications, and Control for Drones

Guest Editors:

Dr. Zhihong Liu

Dr. Shihao Yan

Dr. Yirui Cong

Dr. Kehao Wang

Deadline for manuscript submissions:
10 October 2024

Message from the Guest Editors

Dear Colleagues,

The Special Issue solicits key theoretical and practical contributions to perception, communications, and control for drones, aiming to showcase the latest developments and cutting-edge research in this fast-evolving field.

This Special Issue will welcome manuscripts that link (but not limited to) the following themes:

- Advanced perception techniques of object detection and tracking for drones;
- Drones remote sensing for mapping and surveying;
- Real-time collision detection and avoidance for drones;
- Perception-aware target tracking of drones;
- Path planning and navigation of drones;
- Control theory under communication constraint of drones;
- Efficient communications for drone swarms;
- Robust formation control algorithms of drones;
- Communication-oriented control optimization of drones;

We look forward to receiving your original research articles and reviews.

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Guest Editors

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Editor-in-Chief

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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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