

Special Issue

Advances in Perception, Communications, and Control for Drones: 2nd Edition

Message from the Guest Editors

We are pleased to announce this Special Issue of *Drones* on “Advances in Perception, Communications, and Control for Drones: 2nd Edition”. 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;
- Cooperative control of multiple drones;
- Coupling mechanism between control and communication 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;
- Robust or adaptive control design for drones.

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

Guest Editors

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Dr. Zhihong Liu

Dr. Yirui Cong

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Deadline for manuscript submissions

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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

Prof. Dr. Diego González-Aguilera

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