Special Issue

Advanced Communication and Control Technologies for Next-Generation Drones

Message from the Guest Editors

This Special Issue includes but is not limited to the following:

- Communication technologies for aerial, terrestrial, and underwater drones.
- Advanced control and autonomous navigation systems.
- AI and ML applications for drone intelligence and optimization.
- Multi-drone coordination and swarm communication.
- 6G-enabled swarm communication protocols for cooperative drones.
- Secure communication protocols and cybersecurity for drone networks.
- Edge and fog computing for real-time drone operations.
- UAV-assisted Internet of Things (IoT) for disaster recovery and remote sensing.
- Human–drone interaction and collaborative control systems.
- Drone-to-everything (D2X) communication frameworks.
- Satellite–drone integrated communication architectures.
- Resilient communication strategies for adverse and remote environments.
- Applications of drones in agriculture, logistics, healthcare, defense, environmental monitoring, and maritime operations.
- Regulatory and standardization issues in drone communications.

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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