

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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Deadline for manuscript submissions



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About the Journal

Message from the Editor-in-Chief

Drones is an international open access journal focusing on advancing research in drone science, policy, technology, and applications. Today, drones have become indispensable for policymakers, regulatory authorities, mapping agencies, start-ups, and established firms. Their expanding societal and economic relevance is reflected in the rapid development of new sensors, upgraded platforms, specialized software, and novel applications. The journal provides a central forum for scholars in drone research and applications to exchange findings and innovations. With growing demand for high-quality research, our Editorial Board comprises international leaders and experts across relevant scientific areas. We offer rigorous peer review and rapid publication of papers from across all areas of drone science. We welcome you to submit your next paper to *Drones* and to contribute to the continued advancement of and innovations in the field of drones.

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