Special Issue

Advances in Detection, Security, and Communication for UAV

Message from the Guest Editors

We welcome the submission of original research papers on the most advanced technologies and applications related to detection, security, and communication for UAVs.

- New concept, theory, principle, and application of UAV system architecture;
- Cross-layer optimization for joint detection, security, and communication functions of UAV network;
- Advanced architecture and application of integrated sensing and communication (ISAC) for UAV;
- Endogenous security architecture and mechanism for UAV network;
- UAV enhanced dynamic network towards 6G;
- Artificial intelligence enhanced UAV networking;
- Multi-agent game and cooperation mechanism of UAVs;
- Modulation and coding for UAV communication;
- Semantic communication for UAV network;
- Covert communication for UAV;
- Physical secure communication for UAV;
- Interference management for UAV;
- Detection and data collection for UAV;
- UAV networking for space-air-ground integration;
- Emergency communication by UAV;
- Data collection by multi-UAV cooperation;
- Image processing of UAV inspection for power, forest, and ocean.

Guest Editors

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Deadline for manuscript submissions

closed (16 October 2024)

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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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