Special Issue

AI for Cybersecurity in Unmanned Aerial Systems (UAS)

Message from the Guest Editors

We invite contributions to this special issue focusing on the use of artificial intelligence (AI) to enhance security, resilience, and operational safety in UASs. Topics of interest include, but are not limited to, the following:

- AI-based cybersecurity frameworks for UASs.
- Transformers and other advanced AI models for securing UASs.
- Machine learning and deep learning models for UAS cybersecurity.
- AI-driven secure communication protocols for UAS networks.
- Real-time monitoring and anomaly detection in UASs using AI.
- AI-enhanced resilience strategies for UASs.
- Autonomous systems with built-in AI security features.
- AI for ensuring data privacy and integrity in UAS operations.
- AI-enabled security for remote UAS control and command systems.
- AI in UAS risk assessment and vulnerability mitigation.
- Intelligent decision-making systems for UAS security.
- Datasets for cybersecurity in the context of UASs.
- Integration of AI models with real drone simulators for cybersecurity testing.

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 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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