Special Issue

Emerging Trends and Challenges in Reconnaissance, Jamming, and Unmanned Vehicles Capabilities

Message from the Guest Editors

This Special Issue explores the latest advancements in reconnaissance, radar, jamming, and related systems, emphasizing dual-use technologies with applications across civilian and defense domains. Topics include trends, challenges, and innovative approaches in sensor networks, data fusion, signal processing, optoelectronic and satellite systems, electromagnetic compatibility, and the protection of critical infrastructure.

- Advances in reconnaissance, jamming, and drone systems
- Imaging and optoelectronic reconnaissance
- Satellite reconnaissance
- Monitoring and management of the electromagnetic spectrum
- Signal processing, data fusion, and semantic processing
- Sensor networks
- Sensors, effectors, and counter-drone systems (C-UASs)
- Electromagnetic compatibility and high-energy pulses
- Microwave electronics and radar technology

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