Recent Progress in UAV-AI Remote Sensing

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims at studies covering uses of AI techniques to interpret data obtained by different UAV sensors. Research about the integration of multisource, multitemporal, or multiscale UAV imageries (e.g., multispectral, hyperspectral, thermal, LiDAR, etc.), and multiple AI fields such as deep learning, reinforcement learning, and federated learning, aimed at tackling the challenges or bottleneck problems from various fields are welcome. Articles may address, but are not limited, to the following topics:

- Data processing (multispectral, hyperspectral, thermal, LiDAR, etc.)
- Real-time object detection, counting, segmentation and tracking
- Change detection in land, forest, grass
- Pests, disease, and other disasters monitoring
- AI algorithms for UAV data
- UAV-AI system development
- UAV-AI applications

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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