



Trends in UAV Remote Sensing Applications

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Message from the Guest Editors

Unmanned aerial vehicle (UAV) technology bridges the gap among spaceborne, airborne, and ground-based remote sensing data. Its characteristics of light weight and low price enable affordable observations with very high spatial and temporal resolutions. Moreover, recently, the stability, flight duration, and load capacity of UAVs increased significantly with the development of flight-control and battery technology, which enable more sensor varieties (e.g., optical sensor, lidar sensor, and radar sensor) to be mounted on small UAVs. These multi-source, UAV-sensing data with high spatial and temporal resolutions drive new developments in the field of remote sensing applications. This Special Issue focuses on reviewing the trends of UAV remote sensing in, but not limited to, the fields of powerline inspection, forest mapping and management, archeology, terrain survey, geological disaster survey, biodiversity conservation, and hydrological modelling. Reviews on the trends of the integration of UAV remote sensing hardware and the fusion of multi-source UAV remote sensing data and novel and advanced research on UAV remote sensing applications are also welcomed.





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