Remote Sensing for Spatial Information Extraction and Process

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Deadline for manuscript submissions:
closed (25 February 2024)

Message from the Guest Editors

Spatial information extraction is a complex process that involves employing advanced sensors, specialized computation hardware, and state-of-the-art methods. It has been revolutionized over the past few decades by advances in different directions. This progress has led to more accurate and aim-centric systems that are able to extract up-to-date and accurate georeferenced data as well as information.

This Special Issue aims to collect all of the papers that address any of those aspects in this complex ecosystem. Articles may address, but are not limited to, the following topics:

- Machine learning applications in spatial data generation and processing;
- Recent advances in mobile mapping system designs and applications;
- Novel methods in object detection from aerial and satellite images;
- Novel methods for processing satellite data;
- Deep learning applications in spatial information generation and processing;
- Novel spatial system calibration methods;
- Infrastructure extraction (road, building, etc.) from aerial and satellite data;
- Semantic segmentation from aerial and satellite images;
- Novel real-time algorithms for generating/processing spatial information.

Special Issue

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Message from the Editor-in-Chief

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