Special Issue

Object Detection from Aerial and Space Platforms Using Deep Learning Methods

Message from the Guest Editors

Object detection is very important for a wide scope of remote sensing applications, such as intelligent monitoring, urban planning, precision agriculture, vegetation supervision, urban, rescue operations, and environmental survey tasks.
Since the rise of deep neural networks, an increasing number of techniques have been proposed to reliably detect objects both on Earth's surface and space. To address these tasks, data captured with optical, hyperspectral, thermal, lidar, SAR, or multispectral sensors are normally used.
This Special Issue will collect new developments and deep neural network methodologies, datasets, and applications for object detection using remote sensing data. We welcome submissions that provide the most recent advancements in all aspects of object detection and identification from aerial and space platforms, including but not limited to the following:
Object change detection and monitoring.
High-quality datasets for object detection and identification.
Transfer learning.
Image segmentation.
multi-source and multi-modal data.
Similarity search methods.
Space object detection and recognition.
Embedded intelligent computer vision algorithms.

Guest Editors

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Deadline for manuscript submissions

closed (15 February 2022)

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

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