Special Issue

Advancements in AI-Based Remote Sensing Object Detection

Message from the Guest Editors

In recent years, it has become possible to perform not only high-frequency observations using geostationary satellites but also remote sensing using small satellite constellations and drones. To perform monitoring using these, it is necessary to extract the changes and desired information from a large amount of data. Additionally, when photographing from above, the view is from above rather than from the side as we normally would, making visual inspections difficult. Remote sensing object detection is important for these reasons. Meanwhile, applications of deep learning are popular in generic image recognition, although it is necessary to determine the features and their thresholds used for image recognition. Although the aim of this Special Issue is AI-based remote sensing object detection, detection using classification models and segmentation models, change detection, and tracking are also acceptable. Moreover, accompanying technologies and applications are similarly welcome. This Special Issue welcomes techniques and experimental research articles on the following topics,

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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.

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