Special Issue

Efficient Object Detection Based on Remote Sensing Images

Message from the Guest Editors

With the rapid development of artificial intelligence in the tasks of object detection and recognition in remote sensing images, an increasing number of detection and recognition models have achieved very high precision. However, in certain specialized applications, detection frameworks, models, and specific methods are required not only to maintain high accuracy but also to meet the demands for real-time performance and fast inference, which is in stark contrast to the large-scale parameters of current models. Therefore, designing and implementing efficient detection frameworks. particularly for complex remote sensing images such as synthetic aperture radar (SAR) and optical images, has become a critical issue in the field of intelligent perception for remote sensing images. Thus, this Special Issue invites papers focusing on the following areas: New lightweight neural network architectures for object detection and recognition. Real-time weak and small object detection in high-resolution aerial and satellite images. Trustworthy object detection and recognition, including explainability, robustness, etc.

Guest Editors

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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 peerreview 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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