Special Issue

Deep Learning Based Target Detection and Recognition in Remote Sensing Images

Message from the Guest Editors

Target detection and recognition is a fundamental task in remote sensing, and it plays a significant role in various applications. With the further development of deep learning (DL) techniques, DL-based target detection and recognition approaches have become increasingly popular. Despite substantial progress in the field of DL-based detectors and classifiers with automatically learned features, there are several remaining issues: 1) the performance of tiny targets or target detection in low-resolution images is not satisfactory due to limited information; 2) target detection and recognition with few training samples is still a challenge; 3) current target detection and recognition models are more like black boxes; their interpretability needs to be further studied in order to advance their development in remote sensing images. This Special Issue aims to provide a platform for researchers to discuss and provide solutions for the above-mentioned issues, contributing to the development of target detection and recognition in remote sensing images

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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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