



Deep Learning Based Target Detection and Recognition in Remote Sensing Images

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Message from the Guest Editors

Dear Colleagues,

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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Message from the Editor-in-Chief

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