Special Issue

Remote Sensing Image Change Detection and Feature Enhancement Based on Deep Learning

Message from the Guest Editors

Change detection using deep learning has become essential for understanding various environmental changes, including land use and cover transformations, biodiversity shifts, urbanization, and disaster response. A critical aspect of this process is feature enhancement, which improves the learning of image features. This Special Issue seeks to compile advanced research on deep learning-based remote sensing image change detection and feature enhancement, emphasizing innovative algorithms, architectures, and applications that improve accuracy, efficiency, and interpretability. Submissions may address, but are not limited to, the following topics: Remote sensing image change detection. Knowledge-guided, data-driven change detection. Remote sensing intelligent interpretation. Multi-source remote sensing image analysis. Multi-modal image analysis. Multi-temporal remote sensing image analysis. Deep learning for time-series analysis. Object detection. Semantic segmentation. Image matching. Scene association. Land cover/land use change detection. Feature fusion. Feature enhancement. Multi-scale feature extraction. Ecological remote sensing monitoring.

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 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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