Special Issue

Advances in Object-Based Image Analysis—Linked with Computer Vision and Machine Learning

Message from the Guest Editors

The combination of object-based image analysis (OBIA) and deep learning (DL) represents an exciting area of research and has the potential to boost the precision of many practical applications to ground-breaking performances. In this Special Issue, we welcome submissions that offer the most recent advancements in deep learning and object-based image analysis for processing and analysing remotely sensed imagery. The topics of interest include but are not limited to the following:

- Semantic segmentation;
- Land cover and land use classification;
- Change detection;
- Deep convolutional neural networks (CNN) and other classification techniques;
- Object-based change detection and monitoring methods;
- Deep learning for data integration and sensor fusion;
- Cloud computing and Big Earth Data in deep learning and OBIA;
- Applications of deep learning and OBIA in remote sensing.

Guest Editors

Dr. Ce Zhang
Prof. Dr. Peter M. Atkinson
Dr. Huapeng Li

Deadline for manuscript submissions

closed (1 December 2021)

MDPI

About the Journal

Message from the Editorial Board

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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