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

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Deadline for manuscript
submissions:

closed (1 December 2021)

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.



mdpi.com/si/68623



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Message from the Editor-in-Chief

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