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Machine Learning for High Spatial Resolution Imagery

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Message from the Guest Editors

High-resolution images are essential for urban planning, satellite imagery, and especially during disaster rescue. Machine learning can achieve significant success in image analysis tasks, including land use classification, scene classification, and object detection. Remote sensing methods using the neural network are an emerging interest for improving the performance in preprocessing and segmentation of images. This learning algorithm based on the neural network comprises many layers that transform the input data image to the categorical output image. The machine learning algorithm acts as a supporting agent for space agencies in deploying an enormous number of satellites for earth observation. The algorithm needs much attention in handling high dimensionality data and gives a better performance with a limited training sample.

This Special Issue shall focus on inviting ideas, articles, and experimental evaluations towards development related to “Machine Learning for High Spatial Resolution Imagery” to learn, analyze, predict, and also provide more efficient classification.

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Message from the Editor-in-Chief

The *ISPRS International Journal of Geo-Information* invites you to submit research articles, reviews, and reports covering topics of the whole domain of geo-information. Although the journal was only founded in 2012, it has already achieved wide recognition in the scientific community. We are proud that since April 2015, our journal is indexed by the SCIE of the Web of Science. As Editor-in-Chief, I encourage you to consider *IJGI* for your scientific papers and would be pleased to welcome you as authors.

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