



Computer Vision and Machine Learning for Remote Sensing Solutions Applied to Environmental Challenges

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Message from the Guest Editors

Dear Colleagues,

The environmental problems such as climate change, wildfires, soil and water pollution, geohazards, biodiversity loss, land degradation, and desertification are becoming increasingly frequent and more extreme.

This means we need to take measures to tackle the above challenges mitigating their effects in an operationally, time and power cost efficient manner, using Computer Vision and Machine Learning for Remote Sensing novel methodologies. Indeed, recent advances on remote sensing technologies have led to a dramatic increase in the types of signals and imagery available. Moreover, the wide variety of different sensors in combination with the modern signal and image processing, computer vision and machine learning enable the near real-time environmental data acquisition, assessment, processing and analysis for the ultimate goals of ecosystem protection and monitoring. To this end, this Special Issue entitled “Computer Vision and Machine Learning for Remote Sensing Solutions applied to Environmental Challenges” is focused on the urgent priority around protecting the value and potential of the ecosystem and global future.





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