



Incorporating Knowledge-Infused Approaches in Remote Sensing

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Message from the Guest Editors

Remote sensing is an integral part of many scientific applications, and demands new thoughts and techniques to be fully exploited. Deploying knowledge models in remote sensing data analysis has been at the center of attention for more than a decade. Various types of knowledge-driven methods have been applied in remote sensing image understanding, including object detection, segmentation, and classification. However, there is limited discussion on machine-readable knowledge and its incorporation in the remote sensing data analysis workflow. In the era of big data and machine learning, it is important to include explicit knowledge in data-intensive studies, which has huge potential to bring new thoughts and approaches in the field of remote sensing. As such, in recent years the topics of formal knowledge representation and knowledge-infused machine learning have been increasingly discussed among the remote sensing research community. This Special Issue calls for research articles presenting innovative methods or applications that infuse knowledge in remote sensing data processing. Review and perspective articles that offer insights on this field of research are also welcome.





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Message from the Editor-in-Chief

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