



## The Emerging Trends and Applications of Big Data and Machine Learning/Artificial Intelligence (AI) in Remote Sensing

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### Message from the Guest Editors

Remotely sensed data generated by various platforms (e.g. satellite, manned aircraft, unmanned aerial vehicle and ground-based systems) is a unique source of big data, which has great potential for informative decision making in many domains, including agriculture, environment, business activities, and transport. Recent advances in data science and AI/machine learning have shown a lot of promise in processing, management and analysing such large and heterogeneous data sources at both local and global scales for various tasks, including land use and land cover mapping (classifications), object-based image analysis (segmentation, object detection), and quantitative modelling (plant biophysical/biochemical parameter retrieval, yield estimation, ecological assessment). This special issue aims at providing an updated, refreshing view of current developments/emerging trends and applications in the field. The ultimate goal is to promote research and sustainable development of advanced big data analytics and AI/machine learning schemes for efficient analysis of remotely sensed data.





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## Message from the Editor-in-Chief

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