Advanced Application of Artificial Intelligence and Machine Vision in Remote Sensing II

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Message from the Guest Editor

Dear Colleagues,

Artificial intelligence (AI) and machine learning (ML) techniques have been a principal element of image processing and spatial analysis in numerous applications for a decade. AI enables us to determine the real function of imagery data and process it with a well-fit algorithm to model a structural framework in terms of classification, regression, and clustering, and to model the spatial correlation. Deep neural networks, usually known as deep learning, are one of the robust methods of ML that can engage numerous layers of data-driven algorithms to perform a wide range of applications.

In this Special Issue, we welcome the submission of scientific manuscripts proposing a framework to leverage MV with optimized AI techniques and geospatial information systems to automate the processing of remotely sensed imagery from, for example, lidar, radar, SAR, and multispectral sensors with higher precision for multiple spatial applications including but not limited to urbanism, land-use modelling, environment, weather and climate, energy sector, natural resources, landscape, geo-hazards, etc

Special Issue

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Message from the Editorial Board

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