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The Recent Progression of Machine Learning in Remote Sensing: Theory and Modelling

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Message from the Guest Editors

Machine learning has emerged as a powerful tool in remote sensing, enabling the analysis and interpretation of large-scale and complex datasets with remarkable accuracy and efficiency. By leveraging statistical theory, learning theory, and neural networks techniques, machine learning methods can automatically learn patterns and relationships within remote sensing data, uncovering hidden information and aiding in the understanding of various phenomena.

We are pleased to announce the Special Issue, "The Recent Progression of Machine Learning in Remote Sensing: Theory and Modelling", which will provide researchers with the opportunity to present the modelling techniques of machine learning for remote sensing data analysis, also encouraging machine learning theoretical research for remote sensing data analysis. Articles for this Special Issue may address, but are not limited to, the following topics in remote sensing images:

- Image Classification;
- Image Clustering;
- Image Denoising;
- Objective Detection/Object Tracking;
- Change Detection/Anomaly Detection;
- Machine learning theory for RS Data: Generalizability, Interpretability, etc.

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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