



## Advanced Artificial Intelligence Algorithm for the Analysis of Remote Sensing Images (Third Edition)

Guest Editors:

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### Message from the Guest Editors

This is the third volume of the Special Issue of Remote Sensing on “Advanced Artificial Intelligence Algorithm for the Analysis of Remote Sensing Images”. In this Special Issue, we intend to compile a series of papers that merge the analysis and use of remote sensing images with AI techniques. Articles may address, but are not limited to, the following topics:

Deadline for manuscript  
submissions:

**20 September 2024**

- Advanced AI architectures for image classification;
- Advanced AI-based target detection/recognition/tracking;
- Change detection/semantic segmentation for remote sensing;
- Multi-sensor data fusion/multi-modal data analysis;
- Image super-resolution/restoration for remote sensing;
- Unsupervised/weakly supervised learning for image processing;
- Advanced AI techniques for remote sensing applications;
- Clustering (including classic and more advanced tools, such as subspace clustering, clustering ensemble, etc.);
- Spectral unmixing, adopting either linear or non-linear models, using Bayesian or non-Bayesian approaches for parameter estimation;
- Dimensionality reduction;
- Data transformations.





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## Message from the Editor-in-Chief

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