



The Age of Big Data: AI Technology for Remote Sensing Image Processing & Application

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Deadline for manuscript
submissions:
closed (31 March 2025)

Message from the Guest Editors

Dear Colleagues,

This issue aims to spotlight and address the emergent complexities and potential that big data brings to the field of remote sensing.

The Special Issue will focus on an array of areas encompassing the latest research and advancements in deep learning, artificial intelligence, and machine learning, with specific attention towards their applications in remote sensing image analysis, image segmentation, semantic analysis, and change detection.

Climate change impacts and disaster risk management will be another central theme. We look forward to exploring how remote sensing technologies can monitor and mitigate these global challenges through the study of land–atmosphere interactions.

Water and ecosystem modelling will also be focal points. Contributions investigating hydrological modelling, the water balance of lakes and reservoirs, glacier modelling, and ecosystem modelling using remote sensing data are encouraged.

We welcome submissions that are at the intersection of satellite remote sensing and big data analytics, bridging our understanding of the Earth's dynamic systems with the power of emerging computational techniques.





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Message from the Editorial Board

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