



Deep Learning on the Landsat Archive

Guest Editors:

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Deadline for manuscript
submissions:

30 January 2025

Message from the Guest Editors

Dear Colleagues,

Landsat observations offer global, consistent coverage spanning more than fifty years. They have been instrumental in a wide range of studies in land cover and land use. The application of deep learning has emerged as a compelling methodology for use to analyze and extract knowledge from this large data archive.

The goal of this Special Issue is to collect studies that integrate deep learning methods with the lengthy Landsat observational record. Submissions must use deep learning methods and be applied on Landsat observations. Non-DL methodologies and non-Landsat observations are also welcome in the context of comparison and calibration/validation, respectively, but not as standalone studies.

We invite manuscripts in:

- fusion with other sensors of different spectral and spatial resolutions and/or signal types and super-resolution tasks,
- the effect and support of reference data types and availability,
- image preprocessing methods, such as sensor calibration/validation and atmospheric correction,
- time series analysis and change detection,
- reviewing collections of validation data appropriate for integration with the Landsat archive.





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Message from the Editor-in-Chief

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