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Advances in Deep Learning Techniques for the Analysis of Remote Sensing Time Series

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Deadline for manuscript submissions:
closed (30 November 2022)

Message from the Guest Editor

Dear Colleagues,

This Special Issue will feature significant and innovative contributions on topics such as the following:

- Innovative deep learning algorithms that handle the complexity and specificity of remote sensing time series (spatio-temporal data cubes, multivariate, noisy, and irregular sampled) and their processing (gap-filling, time series segmentation, super-resolution).
- Multi-sensor data fusion techniques, which efficiently combine EO time series acquired by several sensors in various modalities.
- Novel frameworks to deal with the scarcity and/or the low quality of labelled data including unsupervised, semi-supervised, self-supervised, active, adversarial, and transfer learning.
- Explainable deep learning approaches to improve the understanding of soil surface dynamics.
- Long-term and data stream analyses in the scope of land cover mapping, land use land cover change detection, yield estimation, crop and forest mapping, urban growth.
- New datasets to benchmark deep learning for remote sensing time series analysis.

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Message from the Editor-in-Chief

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