



## Advances in Deep Learning Approaches in Remote Sensing

Guest Editors:

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**Prof. Dr. Pedram Ghamisi**

Deadline for manuscript  
submissions:

**closed (20 January 2025)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to investigate the cutting-edge applications of deep learning in remote sensing. We invite research contributions and surveys in this area. Potential topics may include, but are not limited to, the following:

- Deep learning techniques for feature extraction of remote sensing data;
- Deep learning approaches for land cover and scene classification and clustering;
- Multimodal deep learning and the fusion of multimodal remote sensing data;
- Geometric deep learning for hyperspectral image processing;
- Super-resolution reconstruction based on deep learning methods;
- Change and object detection using deep learning methodologies;
- Self-/un-/semi-/supervised methods for interpretation of remote sensing data;
- Semantic segmentation of remote sensing images;
- New remote sensing datasets





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## Message from the Editorial Board

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