

## Special Issue

# Deep Neural Networks for Hyperspectral Remote Sensing Image Processing (Second Edition)

### Message from the Guest Editors

This Special Issue aims to explore features that truly benefit hyperspectral remote sensing interpretation tasks and provides a forum for many individuals working in deep-learning-based hyperspectral image processing to report their research findings and share their experiences with the HSI community. All contributions regarding deep neural networks for hyperspectral remote sensing image processing are welcome to this Special Issue. Topics of interest include, but are not limited to, the following:

- Deep neural networks for target detection, band selection, and classification in hyperspectral images.
- Deep learning for surface parameters retrieval from thermal infrared images.
- Deep feature extraction for multi-source remote sensing images.
- The hybrid architecture of CNN and transformer for hyperspectral applications.
- Feature fusion and learning for hyperspectral image processing.
- Lightweight design of deep models.
- Reviews/surveys regarding recent applications and techniques of hyperspectral images.

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### Guest Editors

Dr. Yulei Wang

Dr. Enyu Zhao

Prof. Dr. Weiyang Xie

Prof. Dr. Chein-I Chang

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### Deadline for manuscript submissions

31 October 2025



## Remote Sensing

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### Message from the Editor-in-Chief

*Remote Sensing* is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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### Editor-in-Chief

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