Special Issue

Deep Learning-Based Cloud Detection and Removal for Remote Sensing Images

Message from the Guest Editors

In today's world, remote sensing images have emerged as indispensable data resources across diverse domains, including urban development planning, environmental surveillance, and agricultural evaluation. Cloud detection and removal in remote sensing imagery, which are fundamental to remote sensing data processing, hold extensive applications and far-reaching implications in multiple sectors. We sincerely invite experts and scholars from around the world to contribute via sharing their latest research findings and cutting-edge developments related to the following topics:

- Algorithms for remote sensing image cloud detection;
- Techniques for remote sensing image cloud removal;
- Deep-learning-based approaches for cloud detection and removal;
- Cloud processing in multispectral and hyperspectral remote sensing images;
- Spatio-temporal analysis of cloud-contaminated remote sensing data;
- The fusion of cloud-free remote sensing data with other data sources (e.g., LiDAR, ground-based observations);
- Cloud-free remote sensing applications in emerging interdisciplinary fields such as climate-smart agriculture and urban ecological planning;
- .....

Guest Editors

Dr. Jun Li

Dr. Libo Wang

Dr. Wufan Zhao

Dr. Yang Du

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Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

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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.

Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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