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Intelligent Remote Sensing Data Interpretation

Guest Editors:

Dr. Yonghao Xu
Institute of Advanced Research in Artificial Intelligence (IARAI), Vienna, Austria

Prof. Dr. Pedram Ghamisi
1.Helmholtz Institute Freiberg for Resource Technology, Helmholtz-Zentrum Dresden-Rossendorf (HZDR), D-09599 Freiberg, Germany
2. Institute of Advanced Research in Artificial Intelligence (IARAI), 1030 Wien, Austria

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Message from the Guest Editors

Dear Colleagues,

With the successful launch of an increasing number of remote sensing satellites, the amount of Earth observation data is showing an explosive growth trend. Such a massive amount of data also makes it more challenging to achieve fast, accurate, and automated remote sensing data interpretation. To address this challenge and boost the development of advanced artificial intelligence algorithms for the interpretation of remote sensing data, we would like to invite you to contribute to this Special Issue. Original research articles and reviews are welcome. Topics can be related, but are not limited to:

- Intelligent interpretation algorithms for tasks such as scene classification, object detection, change detection, and semantic segmentation;
- Earth-observation-oriented machine learning techniques such as weakly supervised learning, zero- and few-shot learning, and domain adaptation and transfer learning;
- Advanced processing methods for hyperspectral/multispectral/RGB/LiDAR/synthetic aperture radar (SAR) data;
- Multisensor and multitemporal remote sensing data fusion;
- Vision and language models for Earth observation;

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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

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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Contact Us

Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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remotesensing@mdpi.com
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