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Machine Learning at the Edge and Optical Image Analysis and Classification in Remote Sensing

Guest Editors:

Dr. Yongyang Xu

Prof. Dr. Zhong Xie

Dr. Sheng Hu

Dr. Anna Hu

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Message from the Guest Editors

The interpretation of optical remote sensing images using computer vision and deep learning algorithms is currently a research focus in the field of remote sensing, and refined interpretation results have become an important data foundation for urban construction, mainly including the following research:

- Remote sensing image object detection
- Remote sensing image change detection
- Urban functional area analysis using remote sensing image
- Building pattern recognition
- Remote sensing image cloud and fog removal
- Deep learning techniques for enhanced land use and land cover classification
- Time-series land use and land cover mapping
- Building height extraction
- Fusion of remote sensing image with multi-source data
- Quantification of CO_2 emissions from remote sensing image
- Land surface temperature estimation

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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, Grosspeteranlage 5
4052 Basel, Switzerland

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