# Special Issue

# Machine Learning at the Object: Fine-Grained Extraction and Analysis in Remote Sensing

### 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 CO2 emissions from remote sensing image
- Land surface temperature estimation

### **Guest Editors**

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### Deadline for manuscript submissions

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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 peerreview 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

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