Special Issue

Intelligent Interpretation of Remote Sensing Images and Intelligent Processing of Remote Sensing Information

Message from the Guest Editors

As intelligent processing algorithms are increasingly used in remote sensing, they have delivered remarkable performance improvements in areas like remote sensing image interpretation, space-based SAR processing, and integrated visible/infrared remote sensing information processing. Intelligent algorithms can automatically identify and classify objects in remote sensing images, like land types, crop varieties, and urban structures, reducing manual work and boosting interpretation efficiency and accuracy. For instance, deep-learning-based object detection algorithms can quickly and precisely recognize specific objects such as vehicles and ships from remote sensing images. Intelligent processing methods can analyze remote sensing data from different periods, automatically detecting changes in objects, like land-use changes and alterations in natural disaster impact ranges, providing timely and accurate information for resource management and environmental monitoring.

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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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