Special Issue

Artificial Intelligence for Ocean Remote Sensing (Second Edition)

Message from the Guest Editors

The use of Artificial Intelligence (AI) has the potential to revolutionize the way we collect, analyze, and interpret data from the vast and complex oceans. AI oceanography has demonstrated its capability in the handling of various oceanic problems, from monitoring marine ecosystems and the environment to predicting ocean currents and weather patterns. Concurrently, propelled by the continuous development of remote sensing techniques over recent decades, ocean observation has entered the big data era. An increasing number of ocean satellites equipped with broad sensors have been deployed to view oceans from large-scale and high-resolution perspectives. The fusion of AI and remote sensing has unleased great potential in dealing with remote sensing retrieval, feature/pattern recognition, and reconstruction problems. The underlying rules of hidden correlation can be revealed from the collected data to advance our understanding of oceans and contribute to more effective protection and management efforts.

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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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