Special Issue

Innovative Applications of HF Radar

Message from the Guest Editors

HF radar is primarily employed for detecting and tracking maritime targets as well as monitoring sea state parameters. It has found extensive applications in diverse fields, including maritime security, maritime traffic and fishery management, and maritime disaster monitoring. Additionally, HF radar can be employed to monitor oceanic dynamic processes, including oceanic circulation and mesoscale eddies as well as oceanic disasters like typhoons and tsunamis. In recent years, a variety of new HF radar systems, such as bistatic HF radar, ship-borne or buoy-based, sky-wave transmitting and shore/ship-receiving systems, and MIMO systems have emerged, further expanding the detection range and application fields of HF radar. In this Special Issue, we would like to focus on the innovative applications of HF radar, particularly those related to various new HF radar systems that have emerged in recent years. Additionally, we also aim to explore how HF radar can be utilized in fields such as maritime surveillance, coastal management, weather monitoring, 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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