Special Issue

Advances in Remote Sensing and Electromagnetic Spectrum Sensing: Data Acquisition and Signal Processing

Message from the Guest Editors

The electromagnetic spectrum has gradually become a cornerstone of economic and social development. As integrated radar systems, communications, navigation, and other sensor systems have advanced, remote sensing and electromagnetic spectrum sensing are transforming from a process of detection to recognition, from classical models to deep learning, from single sensor to multi-sensor information fusion, and from single function to composite sensing. In response to challenges related to the complex electromagnetic environment ranging from several kHz to over 100 GHz, future remote sensing and electromagnetic spectrum sensing frameworks should possess self-learning and environmental adaptability, leading to the creation of systematic and comprehensive intelligent systems. This Special Issue will highlight recent progress related to these topics. This Special Issue will address issues related to state-of-the-art remote sensing and electromagnetic spectrum sensing approaches applicable to data acquisition and signal processing for radar, communication and navigation, providing crossdisciplinary ideas to address present and future challenges.

Guest Editors

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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.

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