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Techniques and Applications of Remote Sensing, Synthetic Aperture Radar (SAR), and Optical Imaging in Diverse Domains

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Deadline for manuscript
submissions:

6 July 2024

Message from the Guest Editor

The advancements in remote sensing, Synthetic Aperture Radar (SAR), and optical imaging technologies have sparked a revolution in how we observe and analyze the Earth's surface and beyond. This progress has opened new horizons and presented unparalleled opportunities for understanding our planet and addressing a myriad of challenges. In this Special Issue, we aim to highlight the cutting-edge techniques and multifaceted applications of these technologies.

We encourage contributions that is through topics that include, but are not limited to:

- Advances in remote sensing platforms, sensors, and imaging techniques.
- Super-resolution imaging techniques for enhancing spatial details in remote sensing.
- Applications of remote sensing in environmental monitoring, management, and climate change studies.
- Land cover and land use classification using remote sensing data, incorporating deep learning approaches.
- Object detection and recognition in SAR and optical images through deep learning techniques.
- Image fusion techniques for integrating SAR and optical data in remote sensing applications.



mdpi.com/si/178273

Special Issue



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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Journal Rank: JCR - Q2 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

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