Special Issue

Recent Advances in Synthetic Aperture Radar (SAR) Remote Sensing

Message from the Guest Editor

Synthetic Aperture Radar (SAR) technology has been under continuous development for over seventy years, during which numerous innovative SAR system architectures have emerged. These advancements aim to overcome the limitations of traditional spaceborne SAR systems, catering to ever-growing application demands. Recent developments in new SAR architectures, methodologies, and applications have demonstrated significant progress in enhancing imaging quality, particularly in achieving high-resolution and wide-swath imaging capabilities. These capabilities are vital for the next generation of spaceborne SAR systems, providing substantial contributions to a broad range of real-world applications, such as environmental monitoring, disaster management, agricultural assessment, and urban planning. This Special Issue focuses on the latest advancements in SAR remote sensing, covering novel system designs, innovative signal processing techniques, and emerging applications pushing current SAR technologies' boundaries.

Guest Editor

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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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