Special Issue

Advances in Radar Imaging and Signal Processing

Message from the Guest Editors

Radar imaging technology is a versatile tool with applications in autonomous navigation, terrain observation, disaster monitoring, moving target tracking, etc. Among the various radar imaging techniques, synthetic aperture radar (SAR) has convincingly demonstrated its unique imaging capabilities, including wide swath coverage, high resolution, and all-day and all-weather operability, which greatly contribute to enhancing the safety, efficiency, and reliability of these applications. This Special Issue aims to introduce the latest advances and future prospects of radar imaging and signal processing. We encourage discussions and solutions to address the following, but not limited, topics:

- Spaceborne/airborne SAR/ground-based SAR;
- UAV/mini-SAR;
- Bi-static and multi-static SAR/ISAR;
- InSAR/D-InSAR;
- Moving target imaging;
- Video SAR;
- Microwave photonic radar imaging;
- New radar imaging technology;
- Radar surveying and mapping technology;
- Geohazard monitoring technology;
- Waveform design and optimization;
- Target detection and tracking;
- Data fusion and information fusion;
- High-speed real-time signal processing;
- Interference suppression and anti-jamming;

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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