Special Issue

New Advances in Radar Target Intelligent Recognition

Message from the Guest Editors

Radar is a kind of very powerful microwave sensor system which can obtain the information of all-day and all-weather targets and plays an important role in various fields related to social safety. Radar target recognition technology, based on machine learning and artificial intelligence, can automatically and quickly extract the features of the targets and identify their categories, which has become one of the most attractive but challenging tasks in radar applications. The topics of interest for this Special Issue include, but are not limited to, the following:

1. Radar space/aerial target recognition;
2. Radar ground target recognition;
3. Radar sea surface target recognition;
4. Target micro-motion feature extraction;
5. Polarimetric radar target recognition;
6. Synthetic aperture radar (SAR) target detection and recognition;
7. Radar target characteristics analysis;
8. Multimodal target recognition methods;
9. New theories and methods of target detection and recognition;
10. Radar target recognition systems. **Keywords:** radar; target recognition; target detection; feature extraction; target characteristics; machine learning; deep neural networks; artificial intelligence

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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.

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