Special Issue

Remote Sensing Target Recognition and Detection: Theory and Applications (Second Edition)

Message from the Guest Editors

Target recognition and detection is a multidisciplinary field that involves a variety of sensors, such as synthetic aperture radar (SAR), inverse synthetic aperture radar (ISAR), side-scan sonars, multispectral/hyperspectral sensors, and others. Target recognition and detection is used to search regions of interest of specific targets in an image and determine the category and location of targets. It usually marks the image, selects the target area of interest in the image with a rectangular box, and finally creates a category label for the image target. This Special Issue aims to gather papers presenting recent advances in target recognition and detection with novel and impactful applications. Topics of interest include, but are not limited to, the following:

- Machine learning for target recognition and detection;
- Theory of multi-objective/multi-task optimization and learning;
- Change detection and classification in remote sensing;
- Remote sensing/teaching image object detection, segmentation and categorization;
- Underwater target recognition and detection;
- Ocean acoustic remote sensing;
- Radar high-speed target detection, tracking, imaging and recognition;
- .....

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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 peer-review 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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