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Target Detection and Information Extraction in Radar Images

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Deadline for manuscript submissions:
closed (1 July 2022)

Message from the Guest Editors

Radar signal processing techniques for detection and classification are the focus of intense research due to the continuous evolution of threats like unmanned systems. This Special Issue will collect work on the most recent advances in radar detection and classification techniques. Contributions can tackle topics ranging from the signal processing carried out by a specific sensor node to the fusion of data provided by a set of nodes in a distributed sensor network, including (but not limited to) the following:

- Target RCS and clutter modeling at frequencies used by active radars and opportunity illuminators used by passive ones.
- Wideband signal processing for radar detection and classification, including sparse frequency signals and the use of compressive sensing techniques.
- Neyman–Pearson approximation based on statistical signal models, including the use of intelligent agents.
- Smart distributed sensor networks: sensor distribution and data fusion for detection, tracking, and imaging.
- Novel classification and recognition techniques, at tracking and radar imaging levels.

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Guest Editors

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Special Issue

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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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