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Advances in Radar Systems for Target Detection and Tracking (Second Edition)

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Deadline for manuscript submissions:
closed (20 May 2025)

Message from the Guest Editors

Radar systems allow the detection and tracking of targets of interest at any time and in all weathers and have been extensively applied in the remote-sensing community to applications such as geological exploration, disaster forecasting, traffic monitoring, urban planning, environmental sciences, hydrology, littoral zones, and oceans. This Special Issue can include (but are not limited to) the following topics:

- Radar target detection, tracking, and imaging in ground/sea environments;
- Radar target detection, tracking, and imaging in interference situations;
- Joint radar sensor registration and target tracking in complex environments;
- Radar resource management for target detection and tracking in complex environments;
- Detection and tracking using SAR/InSAR images with applications in geology;
- Combination of advanced signal processing and artificial intelligence techniques;
- New radar systems, such as MIMO radar, distributed radar, dual multi-base radar, and so on;
- Short-range radars, especially in the context of consumer (indoor environments) and automotive applications;
- Deep learning-based target detection and tracking.

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Message from the Editorial Board

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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