



Radar and Sonar Imaging and Processing

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Message from the Guest Editors

It is our great pleasure to organize a Special Issue on the topic of “Radar and Sonar Imaging and Processing” in the journal *Remote Sensing*. This Special Issue will report the latest advances and trends in the field of remote sensing for radar and sonar image processing, addressing both original developments, new applications, and practical solutions to open questions. The aim is to increase the data and knowledge exchange between those two communities and allow experts from other areas to better understand better radar and sonar problems. Topics for this Special Issue include, but are not limited to, the following:

1. Passive and active radar imaging (SAR, ISAR);
2. 3D radar and 3D sonar imaging;
3. Sonar image processing, image understanding;
4. Sparse image reconstruction;
5. Automatic target detection and classification;
6. Radar and sonar target tracking, anti-collision algorithms and methods;
7. Multi-sensors data fusion;
8. Radar and sonar base autonomous navigation;
9. Ground penetrating radar application in civil engineering;
10. Automotive and maritime radar;
11. Artificial intelligence for radar and sonar data processing.





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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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