Special Issue

Radar for Space Observation: Systems, Methods and Applications

Message from the Guest Editor

This Special Issue aims to focus on all aspects of radar and related observational and data analysis techniques, applied to the observation of objects occupying any orbital regime in the near-Earth space environment. Articles geared towards, but not limited to, the following broad themes will be considered:

- the detection, tracking, and orbit determination of satellites and space debris;
- the large-scale cataloging, identification, characterization, and classification of space objects;
- radar as an enabler of effective SSA, SDA, and STM;
- detailed radar observations of individual satellites and space debris;
- radar imaging and inverse synthetic aperture radar (ISAR);
- applications of surveillance and reconnaissance in the space domain;
- new trends and novel techniques in space observation with radar systems;
- radar applications ensuring long-term sustainability in space, e.g. support in on-orbit servicing, deorbiting, or active debris removal (ADR) missions, etc.;
- synergies with passive and active sensors at different wavelengths and data fusion systems;
- radar observations of meteoroids, meteors, and asteroids.

Guest Editor

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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.

Editor-in-Chief

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