Special Issue

Airborne Synthetic Aperture Radar: Systems, Processing, New Challenges and Opportunities

Message from the Guest Editors

The goal of this Special Issue is to gather recent scientific and technological advancements in the field of airborne SAR, in terms of system development, signal modeling, image formation, data processing, and resulting new applications. Potential topics include but are not limited to:

- New airborne SAR systems;
- Navigation sensors and algorithms;
- Frequency-domain and/or time-domain approaches for airborne SAR focusing;
- Real-time SAR processing hardware and algorithms;
- Airborne monostatic and bistatic SAR imaging in nonconventional acquisition modes;
- Innovative data processing approaches;
- Airborne single-pass cross-track, along-track SAR interferometry;
- Airborne repeat-pass SAR interferometry and tomography;
- Cutting-edge airborne SAR applications;
- Experimental results based on airborne SAR data acquired in challenging operative scenarios;
- Curvilinear, circular and helicoidal SAR;
- Integration of multifrequency SAR data;
- Integration of spaceborne and airborne SAR data.

Guest Editors

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Deadline for manuscript submissions

closed (30 December 2022)

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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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