Special Issue

Airborne SAR: Data Processing, Calibration and Applications

Message from the Guest Editors

Over the last two decades, synthetic aperture radar (SAR) became an indispensable source of information in Earth observation. A major driver for this development has been and still is the airborne SAR technology. Airborne SAR is commonly ahead of the abilities of spaceborne sensors by several years, in order to provide a test-bed for new imaging techniques and data processing approaches, as well as for implementing and validating new remote sensing applications. Additionally, airborne SAR is a valuable tool of itself, used in various scientific studies and with its own particular fields of application. Processing and calibration of airborne SAR data is a challenge. This is due to the unstable motion of the sensor platform, but also due to experimental cutting-edge hardware, new imaging techniques opening new questions, as well as particular conditions during flight campaign execution. This Special Issue aims to highlight the recent advances in processing and calibration of airborne SAR data, as well as to point out new fields of application of airborne SAR.

Guest Editors

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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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