



Airborne SAR: Data Processing, Calibration and Applications

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Message from the Guest Editors

Dear Colleagues,

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.





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Message from the Editor-in-Chief

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