



Signal Processing of Polarimetric SAR: Detection and Parameter Extraction

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Deadline for manuscript
submissions:

closed (1 October 2020)

Message from the Guest Editors

This Special Issue is aimed at collecting remarkable works that explore new ways to extract information from PolSAR data. This includes theoretical and applied methodologies aimed at solving current issues when processing of PolSAR data considering different modes (quad-, dual-, compact-mode). We will cover:

- Detection and change detection theory;
- Systems: Novel PolSAR systems architectures, acquisition modes, etc.;
- Spectral analysis: algorithms extracting information contained in the spectrum of PolSAR data;
- Image formation and data quality improvement: polarimetric calibration, speckle filters or other algorithms aimed at improving data quality;
- Scattering models: empirical, semi-empirical, and deterministic models to improve the understanding of PolSAR data and the extraction of geo- and biophysical parameters (forward and inverse problems). This also includes the use of acquisitions with multiple baselines;
- Multi-baseline image formation: algorithms concerning the use of multiple baselines to perform tomography or more generally extract parameters from volumetric targets.





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Message from the Editor-in-Chief

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