



## Novel Bistatic SAR Scattering Theory, Imaging Algorithms, and Applications

Guest Editors:

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Deadline for manuscript  
submissions:

**closed (29 February 2020)**

### Message from the Guest Editors

This Special Issue focuses on reporting new theory and novel techniques concerning the development and applications of bistatic synthetic aperture radar Bi-SAR. The issue covers scattering information, signal processing, imaging performance, and potential applications by means of theory modeling, numerical simulation, and experimental measurement. Papers for bistate scattering and imaging, and perhaps equally imperative, on the potential use of Bi-SAR images, such as retrieving soil moisture, vegetation, and ocean surface parameters, and acquiring digital elevation models (DEMs), and, particularly, new applications are welcome. Pioneering works from internationally recognized experts are invited to this well-focused issue. Contributions are invited on the following topics (not exclusive):

- Bistatic radar scattering modeling, simulations, and measurements
- Bistatic radar scattering sensitivity and information content
- Bi-SAR polarimetric scattering theory
- Bi-SAR flight formation and configuration
- Bi-SAR with signal of opportunity
- New imaging theory for Bi-SAR
- Fast Bi-SAR image focusing algorithms
- Bi-SAR applications in observing dynamic processes of the Earth





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## Message from the Editor-in-Chief

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