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# Advances in Synthetic Aperture Radar Data Processing and Application

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**closed (15 June 2024)**

## Message from the Guest Editors

Dear Colleagues,

Synthetic aperture radar (SAR) is an active high-resolution microwave imaging technique. Compared with typical optical systems, it has constant and all-weather surveillance capability and is, hence, widely used in military, mapping, agriculture, and disaster-monitoring applications. Recently, SAR has entered a stage of vigorous development. More and more SAR satellites have been launched, providing rich data support for SAR's application in many fields. In addition, with the help of UAV performance advantages such as low cost, easy and rapid deployment, and miniaturization, UAV-borne SAR has also entered a stage of rapid development and plays an increasingly important role in several applications such as reconnaissance and mapping.

The main objective of this Special Issue is to provide a platform for the latest advanced SAR data-processing technology and applications so that researchers can have a clear understanding of the development of this field. This Special Issue aims to provide a comprehensive overview of state-of-the-art technologies behind SAR data processing and applications.

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## Message from the Editor-in-Chief

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