



CALL FOR PAPERS
IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing
Special Issue on
“Advances in Spaceborne SAR Systems and Imaging”

Spaceborne synthetic aperture radar (SAR) has been playing important roles in the development of human society in aspects of disaster warning, resource exploration and social management, etc.. Recently, we have seen dozens of exciting state-of-the-art spaceborne SAR technologies proposed for high temporal and spatial resolution, wide swath, high dimension and flexible and higher-performance observation, etc.. As these boosting developments have been separately reported in different journals, conferences and workshops, a reader may feel trouble in getting an overview of them. On the other hand, the related technologies have a too wide range to be covered by a single paper. Thus, we suggest this special issue to provide a platform where readers can enjoy a festival on the state-of-the-art technologies on spaceborne SAR system and imaging.

The broad topics include (but are not limited to):

- Advanced spaceborne SAR system/mode
- Spaceborne SAR constellation/ Distributed spaceborne SAR
- Medium-earth-orbit (MEO) and geosynchronous-earth-orbit (GEO) SAR
- 3D/4D spaceborne SAR imaging
- High-resolution/ wide-swath/ high-squint spaceborne SAR imaging
- Multi-aspect/ multi-frequency spaceborne SAR imaging
- Spaceborne SAR moving target imaging
- Spaceborne SAR sparse imaging

Schedule

01 February 2022 Submission system opening
31 July 2022 Submission system closing

Format

All submissions will be peer reviewed according to the IEEE Geoscience and Remote Sensing Society guidelines. Submitted articles should not have been published or be under review elsewhere. Submit your manuscript on <http://mc.manuscriptcentral.com/jstars>, using the Manuscript Central interface and select the “**Advances in Spaceborne SAR Systems and Imaging**” special issue manuscript type. Prospective authors should consult the site <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9082768> for guidelines and information on paper submission. All submissions must be formatted using the IEEE standard format (double column, single spaced). Please visit http://www.ieee.org/publications_standards/publications/authors/author_templates.html to download a template for transactions. Please note that as of Jan. 1, 2020, IEEE J-STARS has become a fully open-access journal charging a flat publication fee \$1,250 per paper.

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