



Special issue on “The year of SAR”

Guest Editors

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Currently and in the near future, there will be an unprecedented number of Synthetic Aperture Radars, either in operation, or moving well along in their planning stages for launch. One of the features of SAR are its large data rates and ability to collect high-resolution data in varying weather and lighting conditions. With the unprecedented amount of data that will be collected on a systematic basis for years to come, it is important to highlight all of the development and missions that represent this great opportunity and its aspect as part of the IEEE Geoscience and Remote Sensing Society (GRSS), through the society’s monthly magazine. Papers that describe current and near-future SAR missions that have a high-likelihood of being implemented, especially for those missions that have an international science presence are welcome for this special issue. Other topics related to the education of the community and the creation of standards, such as CEOS calibration Analysis Ready Data (ARD) are of interest as well.

This special issue accepts review/tutorial papers on the following topics:

- Upcoming spaceborne SAR missions
- Review of an existing spaceborne SAR mission
- Commercial SAR (spaceborne)
- Educational resources for SAR
- Use of cloud computing for SAR
- CEOS calibration and standards for spaceborne SAR
- Planetary SAR

Articles submitted to this special issue of the IEEE Geoscience and Remote Sensing Magazine must contain significant relevance to geoscience and remote sensing and should have noteworthy tutorial/review value. Selection of invited papers will be done on the basis of 4-page White papers, submitted in double-column format. These papers must discuss the foreseen objectives of the paper, the importance of the addressed topic, the impact of the contribution, and the authors’ expertise and past activities on the topic. Contributors selected on the basis of the White papers will be invited to submit full manuscripts. Manuscripts should be submitted online at <http://mc.manuscriptcentral.com/grsm> using the Manuscript Central interface. Prospective authors should consult the site <http://ieeexplore.ieee.org/servlet/opac?punumber=6245518> for guidelines and information on paper submission. Submitted articles should not have been published or be under review elsewhere. All submissions will be peer reviewed according to the IEEE and Geoscience and Remote Sensing Society guidelines.

Special Issue tentative schedule:

January 5 th 2024	White paper submission deadline
February 5 th 2024	Invitation notification
April 1 st 2024	Full paper submission deadline
June 1 st 2024	Review notification
August 1 st 2024	Revised manuscript due
September 1 st 2024	Final acceptance notification
October 1 st 2024	Final manuscript due
December 1 st 2024	Publication date