



CALL FOR PAPERS

IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing

Special Issue on

“APSAR 2019 - Novel Methods, Techniques, Missions, and Applications of SAR Technologies”

This Special Issue is associated with the 6th Asia-Pacific Conference on Synthetic Aperture Radar (APSAR), held in Xiamen City, China, in November 2019 (www.apsar2019.org.cn). In recent years, the number of operational SAR systems dramatically increases, and many emerging SAR concepts and techniques arise. APSAR provides an opportunity for experts of SAR and related fields to present the latest research and development. The bi-annual APSAR has been held successfully every odd year in China, Japan, South Korea, and Singapore since 2007. APSAR 2019 covers a wide variety of SAR and radar related topics, including SAR system design, signal processing, applications, analysis techniques, new concepts, etc.

The objective of the Special Issue is to select outstanding contributions on recent advances in the field of SAR technologies. The call is open to all researchers. APSAR attendees are encouraged to submit an extended version of their conference paper, which should include more detailed derivations, analyses and experimental results.

Topics to be covered include but are not limited to:

- Current and future airborne and spaceborne SAR systems and missions
- Innovative SAR sensors, concepts, techniques and modes
- Advanced SAR signal processing techniques
- SAR image processing and interpretation
- New SAR applications, products and information retrieval algorithms
- SAR calibration, validation and verification
- SAR polarimetry, interferometry, tomography and holography
- Novel SAR antenna concepts
- Bistatic, multistatic and passive SAR
- Digital beamforming, GMTI and MIMO-SAR
- SAR data evaluation and modelling
- Other SAR related topics

Schedule

April 1, 2020	Submission system opening
September 30, 2020	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 “APSAR 2019” special issue manuscript type. Prospective authors should consult the site <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8855039> 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 will become a fully open-access journal charging a flat publication fee \$1,250 per paper.

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