



CALL FOR PAPERS

IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing Special Issue on “CAACR2020-Novel Methods, Techniques, Missions, and Applications of Radar Remote Sensing Technologies”

This Special Issue is associated with the 15th Chinese Academic Annual Conference on Radar (CAACR), which is being held in Guangzhou City, China, in December 18-20, 2020 (www.15thradarconference.com). In recent years, the number of operational radar systems dramatically increases, and many emerging radar concepts and techniques arise. CAACR provides an opportunity for experts of radars and related fields to present the latest research and development. CAACR has been held successfully in Chengdu, Xi'an, Wuhan, Changsha, Beijing, Yantai, Hefei, and Nanjing, China since 1980s. CAACR 2020 covers a wide variety of radar and related topics, including the detection system, radar system, radar target characteristics and environment, radar subsystem, radar signal processing and data processing, radar anti-jamming, radar structure and new materials, new ideas, new concepts, new theories, etc.

The objective of the Special Issue is to select outstanding contributions on the recent advances in the field of radar technologies. The Special Issue is open to all the researchers. The papers submitted to the J-STARS should NOT be the CAACR conference paper. A 2 to 3 times longer paper is typically expected, with a more detailed presentation of the work, and possibly to include additional data sets and comparisons in an enhanced experimental section.

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

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

Schedule

Feb. 1, 2021 Submission system opening

~~Jun. 30, 2021~~ Submission system closing

New submission closing: Oct 30, 2021

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 “CAACR2020” 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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