



**CALL FOR PAPERS**  
**IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing**  
**Special Issue on**  
**“Calibration for High Spatial Resolution Remote Sensor”**

High spatial resolution remote sensor images have played an important role in a wide variety of quantitative remote sensing applications including precision agriculture, atmospheric monitoring, water pollution, land use and land cover mapping, and many others. Radiometric calibration is essential for quantitative remote sensing applications of satellite images, which can convert the satellite signal to the quantitative remote sensing parameters. The characteristics of higher spatial resolution and more flexible of high spatial resolution satellite brings more opportunities and challenges to radiometric calibration. Therefore, it has been a popular issue to obtain highly accuracy radiometric calibration coefficients of high spatial resolution remote sensor.

This special issue invites contributed articles that emphasize the calibration for high spatial resolution remote sensor. We welcome scholars and practitioners of this scope to present the latest research findings to further optimize the calibration scheme and improve the radiometric calibration accuracy of high spatial resolution remote sensor.

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

- Cross-calibration of high spatial resolution remote sensor
- Site calibration of high spatial resolution remote sensor
- Onboard calibration of high spatial resolution remote sensor
- Laboratory calibration of high spatial resolution remote sensor
- BRDF model and BRDF correction
- Calibration uncertainty of high spatial resolution remote sensor
- New radiometric calibration method of high spatial resolution remote sensor
- Deep learning theory and its applications in calibration for high spatial resolution remote sensor
- Radiometric calibration network
- Radiometric performance detection of high spatial resolution remote sensor

**Schedule**

Feb. 1, 2023 Submission system opening

Aug. 31, 2023 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 “**Calibration for High Spatial Resolution Remote Sensor**” 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](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.

**Guest Editors**

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