



**CALL FOR PAPERS**  
**IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing**

**Special Issue on**  
**“Analysis-Ready Data Interoperability”**

The second Analysis-Ready Data (ARD) workshop on remote sensing data interoperability took place on August 5-7, 2019 at the USGS Menlo Park Campus. The workshop was dedicated to discuss data interoperability between commercial sources of imagery and public datasets, with particular emphasis on data harmonization, standard approaches, and practical recommendations for the generation of time-series ready to be analyzed without any additional pre-process by the end-users.

A Special Issue of the IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (J-STARS) is planned for open access publication. This special issue will accept a select number of studies presented at the ARD workshop as well as from the broader scientific and engineering community engaged in the following topics:

- Geometric and Radiometric Harmonization
- Image Quality Metrics, Monitoring and Specification
- Machine-learning applications/methods
- Benchmarking standards, including datasets, harmonization algorithms, and machine learning performance
- Time-series Analysis and sensor-fusion algorithms
- Labeled Training Data
- Atmospheric compensation, and cloud/shadow masking
- Sensor and pixel alignment
- Color and Visual Products
- ARD-driven Payload design & System Engineering, Hardware
- Standards for Data Distribution and Commercialization (Open Data Cube, STAC, COGs, etc.)
- Imaging pipelines, software engineering and distributed computing for ARD

**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 [1] using the Manuscript Central interface and select the “Analysis-Ready Data Interoperability” special issue manuscript type. Prospective authors should consult the site [2] for guidelines and information on paper submission. All submissions must be formatted using the IEEE standard format (double column, single-spaced). For a layout template, please see [3]. Note that as of Jan. 1, 2020, IEEE J-STARS will become a fully open-access journal charging a flat publication fee \$1250 per paper.

**Schedule**

October 1, 2019: Submission system opening  
March 31, 2020: Submission system closing  
2020: Publication date

**Guest Editors**

1. Ignacio Zuleta, Planet, ignacio@planet.com
2. Hamed Alemohammad, Radiant Earth Foundation, hamed@radiant.earth
3. Mike Jeffe, Climate Corp., michael.jeffe@climate.com
4. Scott Arko, Descartes Labs, scott@descarteslabs.com
5. Fabio Pacifici, Maxar

[1] <http://mc.manuscriptcentral.com/jstars>

[2] <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7416303>

[3] [http://www.ieee.org/publications\\_standards/publications/authors/author\\_templates.html](http://www.ieee.org/publications_standards/publications/authors/author_templates.html)