



CALL FOR PAPERS

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

Special Issue on “Tropospheric Profiling”

Due to advances in sensor technology, scientific understanding, retrieval and data processing techniques, the capabilities for monitoring the vertical distribution of atmospheric variables have been continually improving. Atmospheric variables of major interest include aerosols, clouds, precipitation, water vapor, temperature, ozone, trace gases, wind, waves and turbulence. Accurate profiling of these variables in the troposphere has myriad impacts on meteorology, climate, air quality, transports, renewable energy and other applications.

The International Symposium on Tropospheric Profiling (ISTP) is a series of international conferences held periodically every 3-5 years. The 10th edition (ISTP10) was held at Colorado State University, Fort Collins, CO, USA, on May 30 - June 2, 2017. ISTP10 was attended by more than 70 scientists and engineers from more than 9 countries. A total of 69 scientific papers were presented. In keeping with tradition, a special issue associated with ISTP10 is planned for the IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JSTARS). Papers are invited from ISTP10 participants, as well as from the broader scientific and engineering community interested in tropospheric profiling. Topics of interest include algorithms for improved parameter retrievals, measurement networks, new instruments and instrument synergies, field experiments, aircraft and satellite platforms, evaluation of models and data assimilation, and related areas. This special issue is open to any submissions within the scope of this special issue.

Schedule

February 28, 2018: Full paper submission deadline
February 2019: Publication date

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 “Tropospheric Profiling” special issue manuscript type. Prospective authors should consult the site <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7676436> for guidelines and information on paper submission. All submissions must be formatted using the IEEE standard format (double column, single spaced). Please note that IEEE JSTARS applies a mandatory page over length charge of \$200 per page (beginning with page 7 and beyond).

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