



CALL FOR PAPERS

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

Special issue on “Remote Sensing of the World’s Oceans”

Since the launch of SEASAT in 1978, traditional remote sensing technologies based on the original four instruments (radiometer, altimeter, scatterometer, and SAR), have been greatly advanced in many oceanography research fields including ocean wind, current, colour, temperature, among others. In the past decade, researches using the newer remote sensing technologies, i.e., multispectral/hyperspectral optical sensing and multi-band/multi-frequency radar sensing, were carried out worldwide. In addition, there is an increased trend in the synergistic use of multiscale/multisensor remote sensing observations with models, data assimilation systems for ocean studies. This special issue of IEEE/JSTARS is to demonstrate the state-of-the-art in utilizing remote sensing data for ocean research.

We invite original research as well as review articles. Both theoretical and experimental papers are welcome. The topics of this special issue include (but are not limited to):

- Remote sensing instrument calibration and validation
- Ocean applications of synthetic aperture radar
- Applications of hyperspectral instruments for oceanic research
- Assimilation of remote sensing data into numerical models
- Remote sensing studies of ocean geophysical parameters (e.g., sea surface temperature, ocean colour, sea level, sea ice, winds and waves, sea surface salinity, ocean bathymetry...)
- Monitoring and surveillance of the ocean (target and oil spill detection and tracking, fisheries, maritime traffic...)
- Novel applications of historical ocean remote sensing datasets

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 “*Remote Sensing of the World’s Oceans*” special issue manuscript type. Prospective authors should consult the site <http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=4609443> for guidelines and information on paper submission. Please note that IEEE JSTARS applies a mandatory page over length charge of \$200 per page (beginning with page 7 and beyond).

Schedule

December 1, 2015 Full paper submission deadline

October 1, 2016 Publication date

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