CALL FOR PAPERS

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

Special Issue on "Remote Sensing of wetlands and inland waters"

Remote Sensing provides unique capabilities and advantages in characterizing and measuring states, condition, and functioning of wetlands and inland waters, particularly for these inaccessible targets. Since the launch of the Landsat series in 1972, there has been an exponential increase in the number of satellites and airborne sensors available to inform and advance knowledge about wetlands and inland waters. Today, more than 300 earth observation satellites from more than 15 countries are operational. Meanwhile, for years, with the development of computer science, numerous methods were utilized in remote sensing of wetlands and inland waters. More recently, the operation environment evolved from personal computer to cloud computing sever. Therefore, with all kinds of available imagery and high performance computing facilities around the world, great opportunities are emerging to remote sensing scientists. However, due to the complex and varied environment of wetland and inland aquatic ecosystems, there still a lot of challenges in accrate remote sensing of wetlands and inland waters.

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

- Large scale long term wetland identification, delineation and habitat classification.
- Remote sensing of biogeochemical parameters for inland waters, e.g., chlorophyll-a, phycocyanin, suspended particulate matter, colored dissolved organic matter (CDOM), water clarity, turbidity, salinity, and temperature.
- Remote sensing of inland water eutrophication and driving force analysis.
- Remote sensing technologies for capturing accurate wetland vegetation parameters, such as species composition, leaf area index, productivity, etc.
- Applications of remote sensing in conservation and management of wetlands.
- Human activities and climate change impacts and resilience of wetlands and inland waters.

Schedule

Jan 31, 2021:	Submission system opening
Jun 30, 2021:	Submission system closing
2021:	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 "**Remote Sensing of wetlands and inland waters**" 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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