



## CALL FOR PAPERS

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

#### Special Issue on “Contributions to Global Water Cycle Science and Applications from GCOM-W/AMSR2”

This Special Issue of the IEEE Journal on Selected Topics in Earth Observation and Remote Sensing (JSTARS) is focused on outcomes from the Advanced Microwave Scanning Radiometer 2 (AMSR2) on board the Global Change Observation Mission – Water (GCOM-W), which was launched in May 2012. AMSR2 is an advanced passive microwave radiometer in polar orbit with fine spatial resolution and C-band channels. Building on nine and a half years of observations achieved by AMSR for EOS (AMSR-E) on board the Aqua satellite, AMSR2 is used in both practical applications and global water cycle studies by many agencies and researchers worldwide. For example, sea ice cover monitoring in the Arctic Sea that began in 1978, is being extended by the AMSR series. AMSR2 data are also used in operational meteorological agencies including JMA, NOAA, and ECMWF.

The objective of the Special Issue is to solicit outstanding contributions on global water cycle science and practical applications that were achieved or will be achieved by AMSR2. Papers on the following topics will be welcome:

- Calibration and characterization of AMSR2
- Development and improvement of retrieval algorithms
- Validation of geophysical parameters and related campaigns
- Train synergistic retrieval and application
- Global water-energy cycle studies and climate variability
- Studies on atmosphere, ocean, and air-sea interaction
- Studies on land surface hydrological studies
- Polar research including sea ice and snow
- Operational applications such as weather, maritime, fishery, agriculture, and so forth

#### 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 “GCOM-W/AMSR2” special issue manuscript type. Prospective authors should consult the site <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7416303> 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

October 30, 2016: Full paper submission deadline

October 2017: Publication date

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