



## CALL FOR PAPERS

### IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing Special Issue on “16th Specialist Meeting on Microwave Radiometry and Remote Sensing of the Environment (MicroRad 2020)”

The Specialist Meeting on Microwave Radiometry and Remote Sensing of the Environment (MicroRad) is a biennial international forum aimed at reporting and discussing recent achievements in instrumentation, techniques and scientific applications of microwave radiometry to Earth System science. The 16th edition of the meeting (MicroRad 2020) was organized by the Institute of Applied Physics of the Italian National Research Council (Firenze, Italy) and it was held on November 16-20, 2020 as virtual event. MicroRad 2020 continued the over three-decade long tradition of convening a dedicated meeting on the latest developments and advances in the field of microwave radiometry for Earth remote sensing. During MicroRad 2020, over 90 authors presented their original works in 13 sessions, covering the topics listed below. Overall, more than 300 people registered to attend MicroRad 2020. MicroRad 2020 was co-sponsored by the IEEE Geoscience and Remote Sensing Society, the IEEE Italy Section, URSI, the European Space Agency and the Italian Space Agency.

Further details about MicroRad 2020, including the technical program and the link to the available presentations, can be found at <http://www.microrad2020.it>.

This JSTARS special issue aims at publishing, after preparation in manuscript form and peer review, a selected number of studies presented at MicroRad 2020 as well as contributions from the broader scientific and engineering community involved in MicroRad topics. The broad topics include (but are not limited to):

- Theory, physical principles and electromagnetic models
- Soil moisture, soil state and vegetation
- Snow, ice and oceans
- Clouds and precipitation
- Temperature and humidity sounding
- Climate and global change
- Advanced radiometer techniques
- Sensor calibration
- Combined active/passive instruments
- Current and future satellite missions
- Small satellite instruments and missions
- UAVs for remote sensing
- Experimental campaigns
- RFI and spectrum management

#### Schedule

December 1, 2020 Submission system opening  
May 30, 2021 Submission system closing

#### 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 “**MicroRad 2020**” 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](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.

#### Guest Editors

Marco Brogioni, National Research Council, Italy ([m.brogioni@ifac.cnr.it](mailto:m.brogioni@ifac.cnr.it))  
David LeVine, NASA Goddard Space Flight Center, USA ([david.m.levine@nasa.gov](mailto:david.m.levine@nasa.gov))  
Steven Reising, Colorado State University, USA ([steven.reising@colostate.edu](mailto:steven.reising@colostate.edu))  
Emanuele Santi, National Research Council, Italy ([e.santi@ifac.cnr.it](mailto:e.santi@ifac.cnr.it))