



CALL FOR PAPERS

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

Special Issue on “Microwave Radiometry and Remote Sensing of the Environment”

This Special Issue of the IEEE Journal on Selected Topics in Earth Observation and Remote Sensing (JSTARS) is associated with the 14th Specialist Meeting on Microwave Radiometry and Remote Sensing of the Environment which was held in Espoo Finland from April 11 to April 14, 2016 (MicroRad 2016). This year’s MicroRad meeting continued the over two-decade long tradition of a dedicated meeting focusing on the latest developments and advances in the field of microwave radiometry for Earth Remote Sensing. Researchers, scientists and engineers shared new theoretical and experimental work on microwave radiometer instrumentation, techniques and applications. MicroRad 2016 was co-sponsored by the IEEE Geoscience and Remote Sensing Society, Aalto University, URSI, and the Center for Microwave Remote Sensing (CeTeM).

The objective of the Special Issue, open to all researchers, is to select outstanding contributions on recent advances in the field of microwave radiometry, bringing together participants from the research, industrial and academic communities who are engaged in projects on microwave radiometry for remote sensing of land, oceans and atmosphere. It is targeted for the expanded versions of papers presented at MicroRad 2016; however, any contributions aligned with the list of topics from MicroRad 2016 will be considered for the Special Issue:

- Theory, physical principles and EM models
- Soil state, soil moisture and vegetation
- Snow, ice and oceans
- Global change
- Temperature and humidity sounding
- Clouds and precipitation
- Advances in instruments and techniques
- Calibration theory and methodology
- UAVs and nanosatellites
- Airborne and ground-based experimental campaigns
- Current and future satellite missions
- RFI and spectrum management
- Technical reviews on the related topics

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 “MicroRad2016” 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

July 1, 2016: Full paper submission deadline
June 2017: Publication date

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