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Active-Passive Microwave Sensing for Earth System Parameters

Guest Editors:

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Deadline for manuscript submissions:
closed (1 August 2020)

Message from the Guest Editors

Active and passive microwave signals from the Earth co-vary depending on the scattering and emission characteristics of natural media (e.g. soil, vegetation snow or ice). Based on such characteristic covariations, signals from different sensors can be combined for joint data analyses and retrieval of Earth system properties such as soil or plant moisture.

Contributions dealing with all components of the Earth System are welcome and may include in-situ measurements and/or non-microwave remote sensing data for parameter estimation at various spatial and temporal scales. Example potential focus areas include:

- Advances in combining active and passive microwave sensing techniques to provide spatially distributed, high-resolution data;
- Multi-sensor (active-passive) algorithms for estimation of Earth system parameters;
- Space-borne, airborne or ground-based experiments to study active-passive estimation techniques of soil, vegetation, snow or ice parameters;
- Case studies at global or local scale for dedicated estimation of single Earth system parameters with comparison of in-situ observations or modelling results.

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Editor-in-Chief

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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Journal Rank: JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)

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