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Proximal and Remote Sensing in the MWIR and LWIR Spectral Range

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Deadline for manuscript submissions:
closed (31 October 2021)

Message from the Guest Editors

The IR (MWIR 3-5 μm and LWIR 7-12 μm) sensing technologies have reached a significant level of maturity and are now a powerful method of Earth surface sensing. Thermal sensing is currently used for characterize LST and LSE and many other environmental proxy variables also in the spatio-temporal domain, which part of them can have a relevance when assimilated into hydrological and climatological models. This Issue intends to collect manuscripts from the ECOSTRESS, ASTER, Sentinel3, Landsat etc. and airborne sensors communities with manuscript dealing of proximal or remote IR sensing in the following specific research themes:

- IR instruments solution
- Instrument radiometric calibration procedures
- LST and LSE
- Soil properties characterization
- Evapo-Transpiration, water plants stress and drought
- IR targets identification
- Urban areas, infrastructure and archaeological investigation
- Geophysical phenomena characterization
- IR synergy with optical imagery

This Special Issue will feature the state-of-the-art thermal remote sensing research presented and discussed in April 2019 at the EGU in Session GI4.5; other communities are as well welcome.

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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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