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Thermal Infrared Remote Sensing and Its Application to Land Surface Parameters

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Deadline for manuscript submissions:
closed (30 April 2020)

Message from the Guest Editors

Dear Colleagues,

Thermal infrared remote-sensing is a unique way to obtain an accurate surface temperature that is one of the most important physical environmental variables monitored by earth-observing remote-sensing systems. Global changes in temperature endanger the environment; they must be monitored and consequently affect well-being. Surface temperature is a key parameter that must be monitored.

This Special Issue seeks contributions ranging from review papers to basic research. The focus will be on LST (Land Surface Temperature) rather than on SST (Sea Surface Temperature), where the physical processes involved are quite different. The scopes of this Special Issue are to present the latest studies on the retrieval of LST with a focus on the underlying physics and image processing techniques and on applications that use the LST to obtain a deeper understanding of land surface temperatures and dynamics, urban heat island effects, forest fires, volcanic eruption precursors, geothermal systems, and soil-moisture variability.

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Dr. José A. Sobrino
Guest Editors

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Message from the Editor-in-Chief

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