Special Issue

Multi-Scale Analysis for Detecting the Processes, Causes, and Impacts of Permafrost Change and of Disruptive Events

Message from the Guest Editors

Permafrost landscapes are extensive in area and potentially dynamic in behaviour, producing a complex mix of landforms, materials and process interactions that are subjected to increasingly intense forcing by rising temperatures, changing weather patterns and declining ice seasons. The sensitivity of permafrost features and landscapes to these drivers leads to far-reaching implications. From dramatic erosion or subsidence threatening local infrastructure and habitats, to wide-scale hydrological, snow and ice changes, and potentially globally significant impacts on the flux of carbon-bearing material and greenhouses gases, there is a pressing need for a better understanding of past, present and future patterns of change. This Special Issue welcomes all contributions that consider the nature and rate of changes occurring in permafrost landscapes, the disruption of cryospheric, terrestrial, coastal or oceanic process dynamics or the resultant impacts utilising remotely sensed data at a range of spatial and temporal scales.

Guest Editors

Dr. Michael Lim
Dr. Gonçalo Vieira
Dr. Dustin Whalen

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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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