



Remote Sensing in Glaciology and Cryosphere Research

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Message from the Guest Editors

The above-surface part of the cryosphere occupies around one-sixth of the Earth's surface and is located in places that are generally very remote from human habitation and infrastructure, and in challenging climatic conditions. Its study is, thus, well suited to the use of remote sensing techniques, especially those operated from spaceborne platforms, and snow and ice research was early to adopt remote sensing methods and to develop new algorithms for extracting information from them. New platforms and sensors, with higher spatial, spectral and temporal resolutions are coming online regularly, and are increasingly being used to generate quantitative data on seasonal and longer-term changes in glacier and ice sheet surface characteristics such as albedo and debris, and on the increasing occurrence of glacial melt in the form of supraglacial lakes and streams, and saturated firn. Contributions using new sensors and platforms that consider the integration of datasets or use cloud computing systems are especially welcome.





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Message from the Editor-in-Chief

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