Joint Special Issue

Spatial-Temporal Monitoring of Environmental and Ecological Processes Using LiDAR

Message from the Guest Editors

The advantages of LiDAR (light detection and ranging) technology provide unique opportunities to monitor spatial–temporal changes in environmental and ecological processes. LiDAR sensors can be implemented in ground-, mobile-, aerial-, and space-based platforms with a variety of spatial and temporal resolutions. Although more and more studies have been conducted, there is still a need to develop novel methods and best practices in processing LiDAR data and effectively quantifying environmental and ecological processes. This Special Issue invites submissions of both research and review papers on innovative applications using various LiDAR sensors to monitor spatial and temporal changes in environmental and ecological processes. The following are a list of potential topics:

- Novel methods and best practices in LiDAR data processing, spatial–temporal monitoring of hillslope processes, fluvial processes, coastal processes, aeolian processes and revegetation, cryosphere processes, karst landforms and processes, tectonic landforms and processes, human–environmental interaction processes, ecosystem services and ecological processes.

Guest Editors

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Deadline for manuscript submissions

closed (10 December 2022)

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