Special Issue

Application of LiDAR Point Cloud in Forest Structure

Message from the Guest Editors

As a vital natural resource, forests are of extreme importance for all living beings on our planet. The forest structure plays a significant role in ecosystem function and diversity. Therefore, an accurate measurement of forest structure can help understand the function and diversity of a forest ecosystem. The advent of LiDAR enables the acquisition of 3D point clouds in forests and a detailed 3D analysis of forest structures. LiDAR point clouds have become a well-stablished data source for characterizing and monitoring forest structure. This Special Issue aims to present the state-of-the-art of point cloud processing in forests and to highlight new methods for forest structure retrieval from LiDAR point clouds. Both review papers and research contributions will be accepted. The scope of topics to be discussed includes but is not limited to the following:

- LiDAR point cloud processing in forests
- New methods for the retrieval of forest structure parameters at various scales from LiDAR point cloud
- Artificial intelligence-based methods for forest information retrieval from LiDAR point cloud
- New approaches for forest change monitoring with multi-temporal LiDAR

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Deadline for manuscript submissions

closed (30 June 2023)

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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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