



3D Point Clouds in Forests

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Message from the Guest Editor

Dear Colleagues,

The purpose of this Special Issue is to present the state-of-the-art of 3D point cloud processing in forests and to highlight new methods, techniques and applications for the 3D mapping of forest structures, which takes advantage of the inherent high geometric and radiometric 3D information of point clouds and create fused data sets by sensor integration. Both review papers and research contributions will be accepted. The scope of topics to be discussed includes, but is not limited to:

- Detection of single trees, tree stems and dead wood
- Mapping of understory vegetation
- New approaches from machine learning for classifying forest objects
- Co-registration of point clouds from different sources
- Precise methods for multi-scale forest structural parameters extracted from point clouds
- Forest applications of tools for processing point clouds
- Integrating and fusing data sets from multiple platforms
- New sensors for highly dense data acquisition

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Guest Editor





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