Special Issue

Applications of LiDAR and Photogrammetry for Forests

Message from the Guest Editors

Remote sensing technologies have revolutionized forest science. Over the past two decades, LiDAR and photogrammetric methods have enabled detailed three-dimensional mapping of canopy structure, terrain, and vegetation, vastly expanding what can be learned about forests. These techniques allow precise measurement of tree height, stem density, canopy cover, and terrain models, supporting applications from forest inventory to ecosystem monitoring. This Special Issue, invites original research and review papers that showcase recent advances and applications of these technologies for forest analysis. Topics include forest inventory and structural assessment using LiDAR and photogrammetry, biomass and carbon stock estimation, habitat mapping and biodiversity assessment, change detection in forested landscapes, fusion of LiDAR/photogrammetric data with other remote sensing imagery, and the use of UAV, airborne, and terrestrial LiDAR systems. We also welcome contributions on advances in point cloud processing, 3D reconstruction methods for forest monitoring, and novel methodologies or case studies demonstrating the value of LiDAR and photogrammetry in forestry.

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Message from the Editor-in-Chief

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

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