Special Issue

Deep Learning Techniques for Forests Parameter Retrieval and Accurate Tree Modeling from Remote Sensing Data—Volume

Message from the Guest Editors

In this issue, we welcome all studies which deploy deep learning technologies and digital twin techniques in forestry applications.

Specific topics include, but are not limited to:

The demonstration of deep learning methodologies for processing forest remote sensing data;
Software approaches to forest visualization and modeling;
A comparison between deep learning methods and other algorithms in a forest survey;
Forest scenario reconstruction from LiDAR data or other remote sensing data;
Virtual forest management based on virtual reality technology;
Computer graphics or machine vision algorithms that enhance the fidelity of reproduced forest environments;
The prediction of variations in forest growth properties based on deep learning frameworks from remote sensing data;
The application of multi-remote sensing data in combination with deep learning frameworks for forestry carbon sink measurements;
Processing terminal forest data acquired from various peripherals using deep learning approaches.

Guest Editors

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Prof. Dr. Huaiqing Zhang

Prof. Dr. Ling Jiang

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Deadline for manuscript submissions

closed (20 February 2024)

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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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