



Research Advances in Management and Planning of Forest Operations

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Message from the Guest Editors

The proper planning of forestry operations allows for the effective and timely execution of work, while minimising the adverse impact on the environment. The integration of sensors and data transfer has enabled forestry machines to become components of the Internet of Things, facilitating the efficient and precise management of the whole supply chain. However, the forest environment presents unique challenges for IT solutions due to its extreme conditions and remote locations, as well as the limitations of personal training, which necessitates the utilisation of sophisticated machine learning methodologies for analysis.

Topics of interest include, but are not limited to, the following:

Productivity of forest works: analysis and optimisation;
The use of simulations for the optimal design of supply chains;
Data transfer amongst the actors of forest supply chains and use of StanForD2010;
Precision forestry;
The environmental impact of forest operations and organisational remedies;
Possibilities of automation or remote operation;
Human factors: ergonomic aspects of forest works and the need for training;
Challenges and limitations of technical developments in forestry.





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Message from the Editorial Board

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