

5th International Symposium of Forest Engineering and Technologies-FETEC 2024

**"Forest Operation Technologies and
Systems for Small-Scale Forestry
Applications"**



**16-18 September 2024
Ljubljana, Slovenia**

Organizer:

University of Ljubljana
Biotechnical Faculty, Ljubljana, Slovenia

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<https://www.ormatransportu.org/fetec2024>



Symposium Rationale

Forestry plays a crucial role in the ecosystem, maintaining biodiversity, providing habitats, regulating the water cycle, and serving as a carbon sink to mitigate the effects of climate change. The forest resources should be managed according to principles of sustainable and close to nature forest management in order to meet needs of today's and future's generations. These two approaches aim to maximize the benefits of forests and to minimize environmental damages by using modern techniques and technological tools in forestry activities. Particularly, forest operations producing wood-based forest products should abide to the precision forestry approach. In recent decades, advanced small-scale forest operations, which are used in non-industrial and site-specific forestry, provide alternative methods well suited for use with precision forestry concept. Besides, small-scale forestry significantly contributes to the bio-economy through forest-based businesses, rural communities, and provision of multiple ecosystem services in many regions of the world. Small-scale harvesting machines have low initial cost and relatively low operating cost, while at the same time, their potential environmental impacts can be considerably lower than with use of large scale machinery.

5th International Symposium of Forest Engineering and Technologies (FETEC 2024): "Forest operation technologies and systems for small-scale forestry applications" will be organized on **16-18 September 2024** by University of Ljubljana, Biotechnical Faculty in the city of Ljubljana, Slovenia. The symposium co-organizers include **FETEC Platform** and **IUFRO Division 3.0**. The sponsor of FETEC2024 is **Tajfun LLC**.

Symposium Objective

The aim of the symposium is to discuss the most recent scientific and professional research related to forest operation technologies and systems for small-scale forestry applications with attendance of internationally renowned researchers, practitioners, and relevant shareholders.

Symposium topics

- Planning, organization and implementation of small-scale logging and transportation activities
- Forest operations in private forests
- Small-scale forestry based enterprises in rural communities
- Small-scale logging machinery
- Forest mechanization-trends in small-scale operations
- Economic sustainability of small-scale forestry
- Forest bioenergy challenges in small-scale forestry sector
- Work safety and ergonomics in forest engineering
- Assessment of stand damage and soil impact from small-scale logging
- Implementation of smart forestry (GIS, ICT, IoT, etc.) in small-scale forest operations
- Using remote sensing data (UAV, LiDAR, etc.) and machine learning in small-scale forestry
- Forest roads and road infrastructure in small-scale forestry

Important Dates

Abstract Submission:	15 June 2024
Author Notification:	15 July 2024
Registration:	15 Aug. 2024
Full Paper Submission:	15 Sept. 2024
Publication of Proceedings:	30 Octb. 2024

Abstract Submission Instructions

Abstracts should be submitted through webpage at <https://www.ormantransportu.org/fetec2024>. Please indicate the presentation type (oral/poster) as you submit the abstract. High-quality papers will be considered to be published in the [European Journal Forest Engineering](#) or [ACTA Silvae et Ligni](#).

Registration

Registration fee of 100 euro will cover symposium documents, dinner, lunches, coffee breaks, and field trip. At least one author per abstract must be registered.

Preliminary program

16 September, 2024

08:30-09:30 Registration
09:30-10:30 Opening ceremony
Coffee break
10:45-12:00 Keynote Speeches
Lunch
13:30-14:45 Technical Sessions 1
Coffee break
15:00-16:15 Technical Sessions 2
16:30-17:30 Poster Presentations

17 September, 2024

09:30-10:45 Technical Sessions 3
Coffee break
11:00-12:15 Technical Sessions 4
Lunch
13:30-14:45 Technical Sessions 5
Coffee break
15:00-16:15 Technical Sessions 6
16:30-17:30 Poster Presentations
19:00 Gala Dinner

18 September, 2024

08:30-17:00 Field Trip/Lunch

Organizational Committee

Assoc.Prof.Dr. Matevž Mihelič (Chair), University of Ljubljana, Biotechnical faculty, Slovenia
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Mateja Intihar, University of Ljubljana, Biotechnical Faculty, Slovenia
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Symposium Sponsor

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