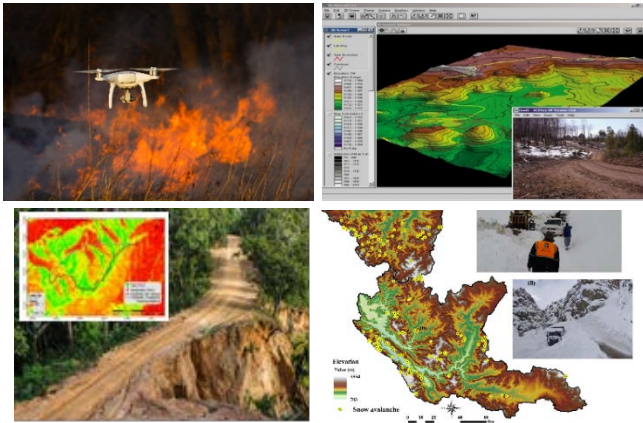


3rd International Hybrid Symposium of Forest Engineering and Technologies FETEC 2022

“Forest Transportation Solutions and IT Applications for Natural Disaster Management”



21-22 November 2022
Baku, Azerbaijan

Space Agency of the Republic of Azerbaijan

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Symposium Rationale

As one of the most important natural resources, forests have vital functions such as improving biodiversity, preserving soil, protecting water, and providing services to society. In order to maintain these functions, forest should be planned and managed by considering social, economic, ecological, and sociocultural factors. In recent years, natural disasters caused by abiotic factors result in serious biological and ecological damages on forest ecosystems while threatening the human life. The most effective natural disasters may include forest fires, winter storms, floods, landslides, and avalanches.

In order to minimize the detrimental effects of natural disasters, advanced information technologies (ITs) such as GIS, RS, ICT, IoT, etc. should be used in planning and implementing of natural disaster management activities. Besides, forest roads, providing important benefits of accessing forest areas, should be designed and constructed considering the natural disasters.

3rd International Symposium of Forest Engineering and Technologies (FETEC 2022): “Forest Transportation Solutions and IT Applications for Natural Disaster Management” will be organized on **21-22 November 2022** by **Space Agency of the Republic of Azerbaijan (Azercosmos)** in the city of Baku, Azerbaijan as **hybrid symposium** with both online and face-to-face participation. The symposium co-organizers include **GDF** (General Directorate of Forestry, Turkey), **IUFRO Division 3.0** and **FETEC Platform**.

Symposium Objective

The aim of the symposium is to discuss the most recent scientific researches and professional works related to Forest Transportation solutions and IT applications for Natural Disaster Management with attendance of international researchers, practitioners, and relevant shareholders.

Symposium topics

- Natural disaster risk management
- Assessment of disaster risk factors
- Mapping the risk of winter storm damage
- Spatial modeling of snow avalanche
- Types, causes and effects of snow avalanches
- Landslide risk assessment and management
- Spatial-temporal forest cover changes
- Design and construction of roads in landslide susceptible areas
- Simulation and modeling of flood hazard
- The road structures in flood affected areas
- Forest fire risk mapping using MCDA
- Visibility assessment of fire-lookout towers
- Effects of road standards on travel time to fires
- Fast transportation and safe access to fire
- Planning of salvage logging and transportation after natural disasters
- Work safety and ergonomics of firefighters
- Fire breaks interventions in firefighting
- Using ITs (GIS, RS, ICT, IoT, etc.) in management of natural disasters
- Using UAV technology and machine learning approach in natural disaster management

Important Dates

Abstract Submission:	27 October 2022
Author Notification:	04 November 2022
Registration:	20 November 2022
Full Paper Submission:	04 December 2022

Abstract Submission Instructions

Abstracts (in English) should include 150-200 words and 3-5 keywords. It should be written in MS Word using Times New Roman, 12 pt. and single line. Following title; names, addresses and e-mails of authors should be added. Abstracts should be mailed to remzi.eker@ikc.edu.tr High-quality full papers will be considered to be published in the [European Journal Forest Engineering](http://www.ejfe.org)

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Registration Fee

Organizational costs of the symposium are covered by Azercosmos. Participation in the symposium is free of charge.

Preliminary program

21 November, 2022

09:00- Registration
09:30-10:30 Opening ceremony
Coffee break
11:00-12:30 Keynote Speeches
Lunch
14:00-15:30 Technical Sessions
Coffee break
16:00-17:30 Technical Sessions
22 November, 2022
09:00-10:30 Technical Sessions
Coffee break
11:00-12:30 Technical Sessions
Lunch
14:00-15:30 Technical Sessions
Coffee break
16:00-17:30 Technical Sessions
19:00 Gala Diner

