

JORI UUSITALO

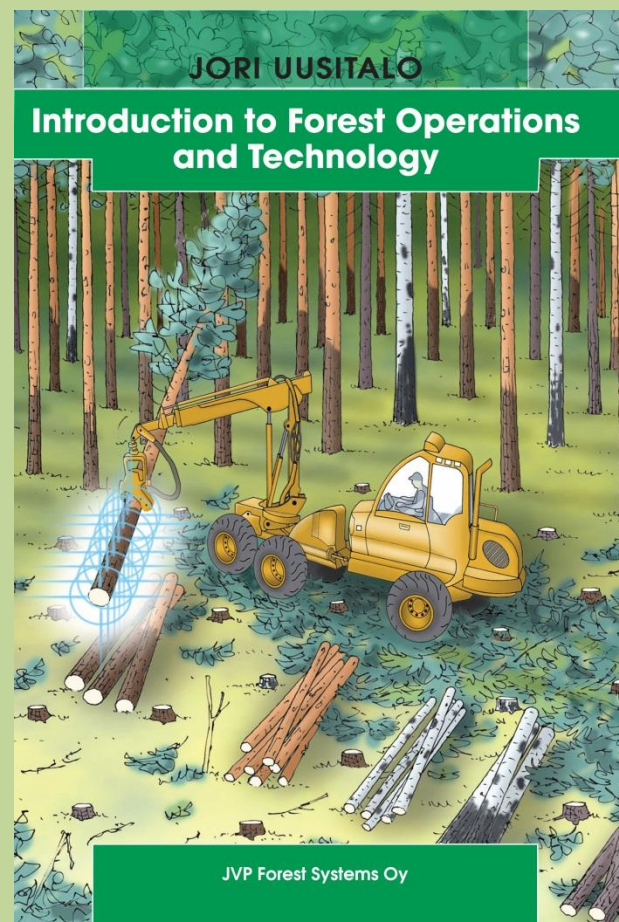
INTRODUCTION TO FOREST OPERATIONS AND TECHNOLOGY

Introduction to Forest Operations and Technology is a comprehensive presentation of modern forest technology as well as the environment and operations within which these technologies are used. Though the book has been written from a Nordic point of view, its scope is rather global in many aspects regarding forest operations in circumstances of any kind. A short introduction to all major timber harvesting systems in the world is also included. *Introduction to Forest Operations and Technology* can be used as a textbook in any college or university providing education in forest sciences. Due to its rather pragmatic approach, it can also be used as an introductory book on forest technology for practical foresters or anyone else interested in forest operations. The book has originally been published in Finland in 2003 and was translated to Russian in 2005. The earlier editions (both Finnish and Russian) are still available at Metsäkustannus Oy. Taking into account all editions and language versions more than 4000 books have already been sold.

A new updated English version has been published in October 2010. The translation from Finnish to English has been carried out by Meeri Pearson, an American born forest scientist who has lived in Finland for over ten years. Following translation, the English manuscript has been proofread by Prof. Dennis Dykstra from the USDA Forest Service, Prof. Reino Pulkki from Lakehead

University, Ontario, Canada and Prof. Tomas Nordfjell from the Swedish University of Agricultural Sciences (SLU).

The book contains more than 140 illustrations as drawn pictures of machines and methods, photos, figures and tables.



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1. Introduction. Forest Engineering is a term and discipline commonly associated with the broader field of Forestry Science and forest operations, but a definition for Forest Engineering is often ambiguous and may not be interpreted as describing a unique discipline. Significant literature relevant to Forest Engineering and Operations was located using the "Google Scholar" search engine, along with the "Web of Science" and "Scopus" databases. Of course, the role of technology in this evolutionary path may have not been that of a mere physical enabler but must have resonated through the new ideas prompted by the technology development. Chapter: 15: Forest Operations Technology. Publisher: USDA Forest Service, Southern Research Station. Editors: David N. Wear, John G. Greis. to meet management objectives. Forest. operations technology is also shaped. by the requirements of forest industry. Product form from the woods must. management regime. Introduction. Forest operations include regener- ation harvests, thinning, pruning View Forest operation Research Papers on Academia.edu for free. The introduction of simple OBCs in South Africa is possible, but does require organisational changes and adaptations from both machine operators, who need to be trained to understand and manage the specific user interface and data transmission, and from management responsible for data storage, collation and analysis, and subsequently the implementation of results in improving forest operations. Light-lift helicopter logging operations in the Italian Alps: a preliminary study based on GNSS and a video camera system. Forest Science and Technology. on-line first version. <http://www.tandfonline.com/doi/full/10.1080/21580103.2015.1075436>. Save to Library.