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## Proceedings of the COST Action E40 Conference

# Large diameter timber - problem or chance?

Edited by  
Alfred Teischinger

in Co-operation:  
COST - European Co-operation in the field of  
Scientific and Technical Research  
Action E40 - Innovative utilisation and products of large diameter timber  
and  
Bernern Fachhochschule, Hochschule für Architektur,  
Bau und Holz, Burgdorf, Biel, Switzerland

The COST action E40 "Innovative utilisation and products of large diameter timber" deals with a very specific topic within the forestry-wood-chain and wants to develop solutions for a proper use of large diameter timber. A conference in Biel/Switzerland within this COST action had the focus on large diameter timber as a problem or a chance. In order to find a proper answer to these very challenging questions, the conference was structured in several parts:

- Session 1 - political statements by invited speakers from forestry, wood processing and wood research including a round table discussion. Controversial points of view were to be presented and discussed.
- Session 2 - presentations concerning chances and potentials of quality grading referring to the specific properties of large diameter timber
- Session 3 - presentations showing appropriate processing technologies and products for large diameter timber
- Poster Session - providing a survey on various research activities concerning large diameter timber
- Conference summary and adoption of a conference communiqué

The proceedings provide a documentation of all the various sessions within the conference and provides some answers to open questions so as to develop a successful processing of large diameter wood.

### **COST-aided**

COST is an intergovernmental European framework for international co-operation between nationally funded research activities. COST creates scientific networks and enables scientists to collaborate in a wide spectrum of activities in research and technology. COST activities are administered by the COST Office.

# **Abstracts - Session 2: Chances and potentials of quality grading referring to the specific properties of LDT**

## **Chances of roundwood quality grading**

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### **ABSTRACT**

Chances for roundwood quality grading should be used to get the highest worth out of the resource. It can be shown that LDT is characterised by a wider range of properties which play a major role for the processing and end use of LDT-products. For each specific production-product chain a somehow adapted grading system could add value to the resource of LDT.

## **Chances of lumber quality grading**

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### **INTRODUCTION**

Holzforschung München has over 10 years of experience in research on large dimension timber (LDT). Over 6000 samples have been evaluated for wood and strength properties in several research projects. One objective of the research was to compare and classify wood properties of large dimension timber with properties of small dimension timber. This can be done by comparison of wood properties of the inner part of a large stem with the outer parts.

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An die

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