

Proceedings

INTERNATIONAL CONFERENCE

# Timber Bridges

ICTB2010



Tynset Bridge. Photo: Johan Brun

Lillehammer, Norway 12-15 September 2010



**Statens vegvesen**  
Norwegian Public Roads  
Administration



**Proceedings of the**

**International Conference Timber Bridges**

**ICTB2010**

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**September 12 -15, 2010**

Editors:

Professor Kjell A. Malo  
Chief Engineer Otto Kleppe  
Chief Engineer Tormod Dyken

Organizers:

Norwegian Public Road Administration  
NTNU, Norwegian University of Science and Technology  
NTI, Norsk Treteknisk Institutt  
Innovation Norway

Secretariat:

Norwegian Public Road Administration  
P.O Box 8142 Dep  
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[www.vegvesen.no](http://www.vegvesen.no)

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## Preface

Over the past twenty years, timber bridge construction has gathered headway in many countries. Research in the area has produced significant results; new materials and connections have been developed and various structural systems have been explored. New developments have been presented in journals and at general timber construction conferences. The time was now ripe for a specialized international conference on timber bridges to present the state of the art.

In Norway, the ready availability of timber and the tradition of utilizing timber in houses and other structures make it natural to consider timber an adequate construction material for bridges with spans of up to 100 meters or even more. Today, there are many timber bridges in Norway – both road and pedestrian bridges. Since 1995, the Norwegian Public Roads Administration has built more than 100 timber bridges with spans up to 70 meters.

The main objective of the conference ICTB2010 at Lillehammer was to showcase and discuss the state of the art in timber bridge technology. The conference topics were:

- Design aspects
- Environmental aspects
- Historical bridges
- Protection and durability
- Monitoring
- Timber bridge aesthetics
- Components, connections and detailing
- Pedestrian bridge projects
- Bridge decks
- Composite bridges

The primary emphasis of the conference was on the design of durable, environmentally friendly and cost-efficient timber bridges.

Our hope is that ICTB 2010 can serve as a source of inspiration for designers, researchers, architects and others, working within the field of timber bridges.

Lillehammer, September 2010.

On behalf of the facilitating organizations,

**Børre Stensvold**

Bridge Director, Norwegian Public Roads Administration  
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