

Invitation

2nd Workshop and 4th MC Meeting
Eindhoven University of Technology
The Netherlands
4 - 5 October 2007

Presentations and discussions on the following topics:

Analysis of Failures and Malfunctions
Vulnerability of Timber Components
Robustness of Structures

Local Organisers:

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Scientific Lectures by:

tbd

Program (preliminary version, 16.08.2007)

Thursday, October 04, 2007

University Auditorium, Room 2

- 09.00 Registration, collection of the COST reimbursement form
- 09.30 Session with technical presentations related to WG I (System identification and exposures) chaired by Tomi Toratti. Suggestion/proposal of topics for presentations:
- Analysis of failures and malfunctions related to violations of
 - a) Ultimate limit states
 - b) Serviceability limit states
 - c) Durability aspects
 - Identification of a common set of criteria for the analyses
 - Guidelines for quality control during designs and construction
 - Guidelines for the assessment of existing structures
- 11.30 Lunch break
- 13.15 Session with technical presentations related to WG II (Vulnerability of components) chaired by André Jorissen. Suggestion/proposal of topics for presentations:
- Definition of the scope for further research in component modelling for the performance of timber structures
 - Discussion of aspects related to:
 - Stresses perpendicular to the grain
 - Moisture induced stresses
 - Ductility
 - Durability
 - Shear stresses
 - Load duration
- 16.15 Session with technical presentations related to WG III (Robustness of systems) chaired by John D. Sørensen. Suggestion/proposal of topics for presentations:
- System effects and size effects
 - System considerations: examples of timber structures where robustness has been considered during design
 - Robustness considerations: examples of timber structures which have (partly) collapsed - and where robustness considerations could have contributed to avoidance of the collapse
 - Ductility of system components
 - System reliability of timber structures: system modelling of members and connections - ductile/brittle member/connection behaviour
 - Life-cycle considerations, incl. dependence of unexpected deterioration
 - Robustness in relation to the execution phase
 - Reliability-based/risk-based robustness requirements for timber structures (proposals for robustness requirements of codes of practice for timber structures)
- 17.30 Closing of the Meeting Day 1
- 20.15 Dinner

Friday, October 05, 2007

University Auditorium, Room 2, 12, 13

- 09.00 Parallel discussion sessions of the WGs (entire morning)
- 11.30 Joint session, discussion of results conclusions and outlook
- 13.00 Closure of workshop
- 14.00 4th MC meeting