Programme
Joint Workshop

COST E55 - Modelling the Performance of Timber Structures

COST TU0601 - Robustness of Structures

University of Ljubljana
Slovenia
21.- 22. September 2009

Local Organiser:
Dr. Goran Turk
University of Ljubljana
Faculty of Civil and Geodetic Engineering
Jamova 2
1000 Ljubljana, Slovenia
Tel. +386 1 4768614
gturk@fgg.uni-lj.si
Workshop Agenda (version September 17, 2009)

DAY 1: SEPTEMBER 21, 2009 – MONDAY

08:30 – 09:00  Registration
09:00 – 09:15  Welcome, introductory remarks and workshop overview

Joint Workshop with COST Action TU0601 – Presentation of Factsheets

Time: 09:15 – 10:45
Theme: Experience
Assessment of failure and malfunctions – general (Radu Bancila) TU0601
Assessment of failure and malfunctions – timber structures (Matthias Frese) E55
Failure template (Tomi Toratti) E55
Robustness ‘experiences’ from failed timber structures (Jorgen Munch-Andersen, Phillip Dietsch) E55
Discussion

Coffee break
Time: 10:45 – 11:00

Joint Workshop with COST Action TU0601 – Presentation of Factsheets

Time: 11:00 – 12:00
Theme: Principles
Robustness – theoretical framework (John Sørensen) TU0601/E55
Robustness – acceptance criteria (Enrico Rizzuto) TU0601
Discussion

Lunch
Time: 12:00 – 13:00

Joint Workshop with COST Action TU0601 – Presentation of Factsheets

Time: 13:00 – 14:00
Theme: Exposures
Probabilistic modelling of exposure conditions (Ton Vrouwenvelder) TU0601
Modelling of human errors (Ton Vrouwenvelder, Milan Holicky and Miroslav Sykora) TU0601
Moisture (Jochen Köhler, Gerhard Fink) E55
Discussion
Joint Workshop with COST Action TU0601 – Presentation of Factsheets

**Time**: 14:00 – 15:15  
**Theme**: Vulnerability  
General aspects, modelling and analysis
Material – Timber, General  
Material – Timber, Ductility  
Discussion

Leslaw Kwasniewski  
Sven Thelandersson and Daniel Honfi  
André Jorissen, Massimo Fragiacomo

TU0601  
TU0601  
E55

Coffee break  
**Time**: 15:15 – 15:45

Joint Workshop with COST Action TU0601 – Presentation of Factsheets

**Time**: 15:45 – 17:00  
**Theme**: Robustness assessment and implementation  
Robustness requirement / criteria in codes, regulations and best-practice guides  
Categorisation and assessment of robustness related provisions in European standards  
Discussion

Dimitris Diamantidis  
Harikrishna Narasimhan and Michael Faber

TU0601  
TU0601

Actions TU0601 and E55 Steering Committee Meeting  
**Time**: 17:30 – 18:00  
**Chairs**: Michael Faber and Jochen Köhler

Dinner  
**Time**: 20:00
**COST E55 Workshop Ljubljana – On vulnerability and robustness**

**21.-22. September 2009**

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## DAY 2: SEPTEMBER 22, 2009 – TUESDAY

**Joint Workshop with COST Action TU0601– Presentation of Factsheets**

- **Time**: 08:30 – 09:45
- **Theme**: Implementation
  - Earthquake and robustness for timber structures (Jorge Branco) E55
  - System reliability – ductility and redundancy (Poul Henning Kirkegaard) E55
  - Robustness design of timber structures (Phillip Dietsch) E55
  - Discussion

**Coffee break**
- **Time**: 09:45 – 10:15

**General Discussion on Identified Topics – Joint Session with Action TU0601**
- **Time**: 10:15 – 11:00

**Parallel Working Group (WG) Meetings E55 – Discussion, presentation and planning of work**
- **Time**: 11:00 – 12:30

  - **WG 2 Meeting**: Moisture induced stresses
    - **Chair**: Staffan Svensson
  - **WG 2 Meeting**: Ductility
    - **Chair**: André Jorissen
  - **WG 3 Meeting**: Robustness
    - **Chair**: John Sørensen

**Lunch**
- **Time**: 12:30 – 13:30

**Parallel Working Group (WG) Meetings E55 – Discussion, presentation and planning of work (cont.)**
- **Time**: 13:30 – 15:00

**Coffee break**
- **Time**: 15:00 – 15:30

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Joint E55 Session and Closure
Time : 15:30 – 16:00

MC Meetingoint E55 Session and Closure
Time : 16:15 – 16:45