

# 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  
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**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

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**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		

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**Coffee break**

**Time : 10:45 – 11:00**

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**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		

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**Lunch**

**Time : 12:00 – 13:00**

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**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		

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

**Time : 14:00 – 15:15**

**Theme : Vulnerability**

General aspects, modelling and analysis

Material – Timber, General

(Leslaw Kwasniewski)

TU0601

(Sven Thelandersson and Daniel Honfi)

TU0601

Material – Timber, Ductility

(André Jorissen, Massimo Fragiacomò)

E55

Discussion

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**Coffee break**

**Time : 15:15 – 15:45**

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**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

(Dimitris Diamantidis)

TU0601

Categorisation and assessment of robustness related provisions in European standards

(Harikrishna Narasimhan and Michael Faber)

TU0601

Discussion

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**Actions TU0601 and E55 Steering Committee Meeting**

**Time : 17:30 – 18:00**

**Chairs : Michael Faber and Jochen Köhler**

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**Dinner**

**Time : 20:00**

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**DAY 2:**

**SEPTEMBER 22, 2009 – TUESDAY**

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**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

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**Coffee break**

**Time : 09:45 – 10:15**

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**General Discussion on Identified Topics – Joint Session with Action TU0601**

**Time : 10:15 – 11:00**

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**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**

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**Lunch**

**Time : 12:30 – 13:30**

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**Parallel Working Group (WG) Meetings E55 – Discussion, presentation and planning of work (cont.)**

**Time : 13:30 – 15:00**

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**Coffee break**

**Time : 15:00 – 15:30**

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COST E55 Workshop Ljubljana – On vulnerability and robustness

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**Joint E55 Session and Closure**

**Time : 15:30 – 16:00**

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**MC Meeting oint E55 Session and Closure**

**Time : 16:15 – 16:45**

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