

WORKSHOP ORGANIZING COMMITTEE

COST

European Cooperation in the Field of Scientific and Technical Research

UNIVERSITY OF COIMBRA

Department of Civil Engineering
Faculty of Sciences and Technology

POLITECNIC INSTITUTE OF CASTELO BRANCO

Department of Civil Engineering
School of Technology

PARTICIPATION FEES (cash only, at registration)

€100 (includes workshop proceedings, CD, local transport, coffee breaks, lunches and dinner)
€50 student (dinner not included)

WORKSHOP PLACE

University of Coimbra
Auditório da Reitoria
Rua Larga 3000 COIMBRA

For staying in Coimbra we suggest the following hotels:

Hotel Astória*** (downtown)

Single room €46
Double room €56
Phone +351239853020 www.almeidahotels.pt

Hotel D. Luis *** (outside the city)

Single room €49
Double room €59.20
Phone +351239802120 www.hoteldluis.pt

Please mention "COST E29- Earthquake Engineering on Timber Structures" when you book a room in order to get special rates.

SPONSORSHIP



REGISTRATION

Please fill in this form and return to the workshop office by fax to +351 239797242 or send an email to lurdes@dec.uc.pt

Name _____

Organiz./Company _____

Address _____

_____ Country _____

Post Code _____ City _____

Telephone _____ Fax _____

E-mail _____

International Workshop on Earthquake Engineering on Timber Structures

9 – 10 November 2006

University of Coimbra

Coimbra, Portugal



MAIN OBJECTIVE of the COST ACTION E29

To improve the design, construction, manufacturing and maintenance of innovative timber and wood-based composite elements to be used in the construction of buildings.

Innovative construction comprises new composite elements based on timber, but also new ways of production of materials and building elements.

MAIN OBJECTIVE of the WORKSHOP

This workshop is focused on the seismic behaviour of timber structures. On this event, the following topics will be covered:

- seismic design of timber structures
- structural design codes
- new products and manufacturing processes
- rehabilitation techniques.

SCIENTIFIC COMMITTEE

Alfredo Dias (Portugal)
Ario Ceccotti (Italy)
Bruno Dujič (Slovenia)
Enijly Vahik (UK)
Kiril Gramatikov (Macedonia)
Jan Willem van de Kuilen (Netherlands)
Julie Bregulla (UK)
Luís Jorge (Portugal)
Tomi Toratti (Finland)

PROGRAMME

THURSDAY, November 9th

8.15 Buses to the workshop

8.45 Registration

9.15 Opening Session by the Cost Action chairman

1st session: “Traditional Construction”

9.30 Panos Toulaiatos - *“Characteristic antiseismic structural systems in wood in Greece since 1650 B.C.”*

10.00 João Appleton - *“Traditional anti-seismic technical solutions in new construction”*

10.30 Coffee break

10.45 Jorge Branco, Paulo Cruz, Mauricio Piazza and Humberto Varum - *“Dynamic modelling of timber joints in traditional structures”*

11.15 Paulo Lourenço and Ricardo Brites - *“Selected research and case studies in ancient Portuguese structures”*

11.45 Raquel Paula and Vitor Cóias - *“Rehabilitation of Lisbon’s old “seismic resistant” timber framed buildings using innovative techniques”*

12.15 Lunch

2nd session: “Design of Timber Structures”

13.30 Jean Paul Perrin - *“Utopia pavillon project”*

14.00 Tomi Toratti - *“Design guidance on Eurocode 8 for practicing engineers for timber structures”*

14.30 Thierry Lamadon and Eric Fournely - *“Criteria of regularity applied to the timber structures, Eurocode 8 approach”*

15.00 Eric Fournely and Thierry Lamadon - *“Design detailing for earthquake engineering - Application for timber structures”*

15.30 Coffee break

3rd session: “XLAM Innovative Wooden Structures”

15.45 Ario Ceccotti and Maurizio Follesa - *“Seismic Behaviour of Multi-Storey XLAM Buildings”*

16.15 Bruno Dujič and Roko Žarnić - *“Study of Lateral Resistance of massive X-LAM wooden wall system subjected to horizontal loads”*

16.45 Bruno Dujič, Simona Klobcar and Roko Žarnić - *“Influence of openings on shear capacity of massive X-LAM wooden walls”*

19.00 Workshop Dinner

FRIDAY, November 10th

8.30 Buses to the workshop

4th session: “Shear Walls”

9.00 Marco Pio Lauriola and Carmen Sandhaas - *“Quasi-Static and Pseudo-Dynamic Tests on XLAM Walls and Buildings”*

9.30 Tatjana Kočetov Mišulić, Bruno Dujič, Kiril Gramatikov and Roko Žarnić - *“Influence of the loading protocols on the Hysteresis response of sheathing to framing nailed joints in shear walls”*

10.00 Kjell Malo - *“Pseudo-dynamic test method, experiments and accuracy”*

10.30 Coffee break

5th session “Joints”

10.45 L.A. Fülöp, Ágnes Ruff, S. Bálint-Major and D. Dubina - *“Seismic Performance of Timber Shear walls sheathed with OSB panels”*

11.15 Mizi Fan and Vahik Enijly - *“Dynamic performance of wood based panels in roof and floor construction”*

11.45 Simon Aicher, Ruediger Finn and Bruno Dujic - *“Dynamic behaviour of timber frame walls with FGB”*

12.15 Closing Session

12.30 Lunch