

# Programme

## COST E55 - Modelling the Performance of Timber Structures

**7<sup>th</sup> Workshop and 9<sup>th</sup> MC Meeting**

**University of Coimbra**

**Department of Civil Engineering**

**Coimbra, Portugal**

**25.-26. March 2010**

**Local Organiser:**

Dr. Alfredo Geraldes Dias  
Civil Engineering Department  
Sciences and Technology  
University of Coimbra  
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Portugal  
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**Programme** (preliminary version February 2010)

Thursday, March 25<sup>th</sup> 2010

08.30 Registration, Coffee

09.00 Opening and Workshop overview

09.10 Session on Short Term Scientific Missions within COST E55

Adrian Leijten, "Bearing strength of perpendicular to grain timber connections."

Dean Čizmar, "Reliability and robustness evaluation of timber structures."

Binsheng Zhang, "Non-destructive measurements on timber structures."

10.40 Coffee

11.00 Session on Short Term Scientific Missions within COST E55 cont.

Tomaz Hozjan, "Modeling of moisture transport in wood by use of the finite element method."

Irene Usardi, Davide Tononi, "Influence of moisture-induced stresses on the behaviour of timber structures."

12.00 Lunch

13.00 General Session

Philipp Dietsch, Assessment of Existing Timber Structures, COST E55 Report

Jochen Köhler, Publication on Failures and guidelines for quality, COST E55 Report still in progress

13:30 Joint Session

I) Ductility of Timber Connections (Session coordinated by André Jorissen)

14:30 II) Moisture Induced Stresses (Session coordinated by Staffan Svensson)

15.30 Coffee

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- 16.00 III) Robustness of Timber Structures (Session coordinated by John D. Sørensen)
- 17.00 Kolbein Bell, “How safe is safe enough? – The Norwegian timber code versus Eurocode 5”
- 17:30 Closure

Friday, March 26<sup>th</sup> 2010

- 09.00 Parallel Sessions
- I) Ductility of Timber Connections (Session coordinated by André Jorissen)
  - II) Moisture Induced Stresses (Session coordinated by Staffan Svensson)
  - III) Robustness of Timber Structures (Session coordinated by John D. Sørensen)
- 10.45 Coffee
- 10.15 Parallel Sessions, cont.
- 12.00 Lunch
- 13.00 Joint Session, Discussion and outlook
- 14.30 WS Closure, Coffee
- 15.00 MC meeting
- 16.30 End MC meeting

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The participation in this workshop is open to all members of COST Action E55 as well as to the interested research community of the Action's signatory countries. Please register not later than **February 25<sup>th</sup>, 2010** by online registration under

<http://www.cost-e55.ethz.ch/coimbra.html>

after prior agreement with the MC members of your country. Please mention also the parallel session you intend to participate.

The planned meeting in Coimbra is meant to be a real workshop with intensive discussion and developments during the parallel sessions. It is therefore a requirement to prepare and coordinate with your 'parallel session discussion group' prior to the meeting.

**UC will arrange coffee breaks, two lunches and a dinner on Thursday and all participants will be charged 60 EUR in cash at registration to cover the expenses.**

More detailed information about the venue is attached to this document.

Jochen Köhler

[jochen.koehler@ethz.ch](mailto:jochen.koehler@ethz.ch)

Chairman COST E55

## Practical Information

**All the locations within Coimbra are indicated in a MAP that can be found in the following web page:**

<http://www.google.com/maps/ms?ie=UTF8&msa=0&msid=106416618354062677161.00047f6926927d9ca020f&t=h&ll=40.212703,-8.43029&spn=0.028643,0.054846&z=14>

## Meeting Place (Indicated in the map)

The meeting will take place at the Mathematics Department from University of Coimbra whose address is:

Departamento de Matemática  
Universidade de Coimbra  
Largo D. Dinis  
3001 – 454 Coimbra

## Hotels (Indicated in the map)

There are many Hotel in Coimbra, below are given five possibilities all located relatively close from the meeting place:

### Hotel Astória

Av. Emídio Navarro, 21 - 3000-150 Coimbra  
Tif.: (+351) 239 853020  
Fax:( +351) 239 822057  
<http://www.almeidahotels.com/>

### Hotel Ibis

Av. Emídio Navarro – Edifício Topazio, 3000-150 COIMBRA  
Tif: (+351) 239 852 130  
Fax: (+351) 239 852 140  
Email:  
[www.ibishotel.com/Coimbra](http://www.ibishotel.com/Coimbra)

### Hotel Tivoli

Rua João Machado, 4/5 - 3000-226 Coimbra, Portugal  
Tif: (+351) 239 858 300  
Fax: (+351) 239 858 345  
Email: [htcoimbra@tivolihotels.com](mailto:htcoimbra@tivolihotels.com)  
<http://www.tivolihotels.com/hotels-portugal/destination/coimbra/hotel-coimbra/list.aspx>

### Hotel Quinta das Lágrimas

Rua António Augusto Gonçalves, 3041-901 Coimbra

Tlf: (+351) 239 802 380

Fax: (+351) 239 441 695

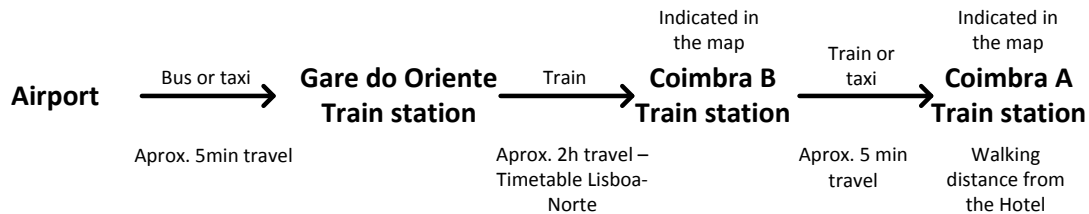
Email: [comercial@quintadaslagrimas.pt](mailto:comercial@quintadaslagrimas.pt)

<http://www.quintadaslagrimas.pt/>

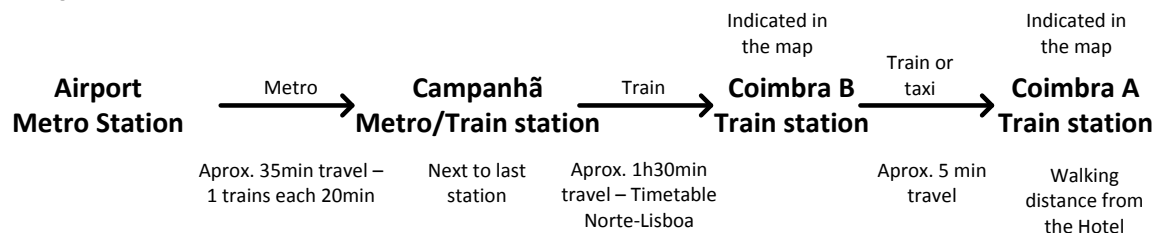
### Transport

There is no airport in Coimbra, therefore people must travel through either Lisbon or Oporto. In both cases the best way to reach Coimbra is by train, a suggested trip is given below for both situations.

## Lisbon - Coimbra



## Oporto - Coimbra



Local transport from City Hotels to University:

- By foot, 20 – 25 min (the distance is relatively short but the slope is high since the difference in altitude from the downtown-Hotels to the uptown- University is around 100m)

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- By Bus nr. 103, every 15-20 min, takes about 20min, leaves from the train station Coimbra A and stops near the meeting place.
- By taxi

Welcome to Coimbra!