

Invitation - 2nd Announcement

COST E55 - Modelling the Performance of Timber Structures

5th Workshop and 7th MC Meeting

Norwegian University of Science and Technology, NTNU

Trondheim, Norway

26.-27. March 2009

Local Organiser:

Professor Kjell Arne Malo

Department of Structural Engineering

Faculty of Engineering Science and Technology

Norwegian Univ. of Science and Tech., NTNU

Rich. Birkelandsv. 1a

7491 Trondheim

Norway

Tel. +47 73594784

Fax. +47 73594701

kiell.arne.malo@ntnu.no

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Programme (preliminary version January 2009)

Thursday, March 26th 2009

08.30 Registration, Coffee

09.00 Opening and Workshop overview

09.30 Parallel Sessions

- I) Moisture induced stresses (Session coordinated by Staffan Svensson)
 - The impact of moisture induced stresses on the reliability of timber structures.
 - Modelling moisture induced stresses
 - The representation of moisture induced stresses in LRFD formats.

- II) Robustness of Timber Structures (Session coordinated by John D. Sorensen)
 - Review collapses with respect to robustness
 - Benchmark examples
 - Guideline

11.00 Coffee

11.15 Parallel Sessions (cont.)

12.30 Lunch

13.30 Parallel Sessions(cont.)

15.30 Coffee

16.00 Joint Session

- III) Ductility of Timber Connections (Session coordinated by André Jorrisen)
 - Special emphasis on dowel type fasteners, toothed plate connectors, split ring connectors and/or metal plate connectors.
 - Definition and quantification of ductility.

18.00 Closure

19:00 Dinner

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Friday, March 27th 2009

- 08.30 Reliability of Structures (Arvid Næss)
- 09.15 Timber Engineering Research in NZ (Pierre Quenneville, University of Auckland)
- 09.45 Coffee
- 10.15 Parallel Sessions (I. and II.), Conclusions
- 11.00 Joint Session (III.), Conclusions
- 12.00 Lunch
- 13.00 Joint Session, Discussion and outlook
- 14.30 WS Closure, Coffee
- 15.00 MC meeting
- 16.30 End MC meeting

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 15th, 2008** by online registration under

<http://www.cost-e55.ethz.ch/trondheim.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 Trondheim 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. You will receive the extended summary of our Zagreb meeting together with a discussion of the topics to be followed up in Trondheim very soon.

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

Jochen Köhler

jochen.koehler@ethz.ch

Chairman COST E55

Practical Information

COST E55 Meeting 26-27. March 2009, Trondheim, Norway

Meeting Place

PFI (Papirindustriens Forskningsinstitutt), Høgskoleringen 6 B, 7034 Trondheim

The building is marked by number 8 on red sign on the map of campus Gløshaugen below.



You will find map of Trondheim city and Campus Gløshaugen on the following link

http://www.ntnu.no/ntnukart/index.php?locale=en_GB.utf8

A better view of the Campus you will get by pressing link no 2 on the right hand side, or:

<http://www.ntnu.no/kart/no/gloshaugen.html>

Hotel

We have booked 50 hotel rooms at Quality Hotel Augustin, contact information is:

Quality Hotel Augustin

Kongensgate 26

7011 Trondheim

Tlf: +47 73 54 70 00

Fax: +47 73 54 70 01

hotel-augustin@hotel-augustin.no

www.hotel-augustin.no

Reference number to be used for discount is: **299963**

Hotel Augustin is in the middle of the city centre. Everybody may stay on the same hotel, rate is 868 NOK (University rate-single room-per night-breakfast included), which is about 92 Euro with

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current exchange rate. The number of rooms and price is guaranteed until 8 weeks before, which is the **29. jan. 2009**. The hotel is marked as number 3 below.



Other alternatives at lower prices are: www.trondheim-vandrerhjem.no (youth hostel) and www.elgeseter-hotell.no (very close to the university campus, mention attending NTNU)

More information on hotels and city on: <http://www.trondheim.no/engelsk/>

Transport

Trondheim airport is named Vaernes and is located 40 km outside city. Directs flights from Amsterdam (KLM) and Copenhagen (SAS). Usually we travel via OSLO. The distance Trondheim-Oslo is operated by SAS (www.sasbraathen.no) and by Norwegian (www.norwegian.no). They both use same types of planes and it is connections roughly once an hour. Early booking is essential for low fare.

Buses to town leave from right outside the main terminal building (arrival). They run VERY often (approximately every 15 minutes) and in conjunction with the arrival of each flight. You buy tickets on the bus (90 NOK ~10 EUR), cash or by credit card. The trip to Trondheim takes approximately 40 minutes. Besides the bus stops just outside the town center, the bus stops at nearly all hotels, also at Hotel Augustin at the corner of Kongens gt and Prinsen's gt

If you are going to the airport from town and need the schedule, you will find it on <http://www.klaburuten.no/> Click on FLYBUSSEN. The schedule is in Norwegian. Essentially the buses run Monday-Friday and Sunday (mandag-fredag and søndag) : 4 times an hour ; Saturday (lørdag): 2 times an hour.

(Note: A taxi from the airport will cost about 600 NOK and is not necessary.)

You can use the airport bus ticket as a transfer to the local buses in Trondheim (i.e. within an hour you do NOT have to pay twice).

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Local transport from City Hotels to campus Gløshaugen:

- By foot, 20 – 25 min (recommended)
- By Bus no 5, NOK 30, every 10-15 min, takes about 7 min, leaves from Dronningensgate and bus stop right outside PFI (the meeting place).
- By taxi, 5-7 min, should be less than 100 NOK.

Miscellaneous

In Norway the currency is Norwegian Kroner (NOK). In general it is possible to pay everywhere using a debit (VISA) or credit card. In cash you will have to pay in NOK. The current exchange rate (January 2009) is about: NOK 9.50 = EUR 1.

NTNU 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.

Welcome to Trondheim!