

COST E55 - Modelling the Performance of Timber Structures

Final Conference

ETH Zurich

Switzerland

26. – 27. May 2011

2nd Announcement & Preliminary Programme

Local Organiser and Chairman of the Conference:

Jochen Köhler

Institute of Structural Engineering

ETH Zurich

Wolfgang Pauli Strasse 15

8093 Zurich

Switzerland

Direct Phone: +41 44 633 4078

jochen.koehler@ethz.ch

May 26/27, 2011

Preliminary Programme

Thursday, May 26th, 2011

08:30	Get together, registration and coffee	
09:00	Welcome and Introduction	J. Köhler
09:15	Special session on Prospects and challenges in future timber engineering research	
	- <i>Keynote Lecture by David Rosowsky</i>	
	- <i>Keynote Lecture (speaker not confirmed yet)</i>	
	- <i>Keynote Lecture by Heinrich Kreuzinger</i>	
11:00	Coffee break	
11:30	Session on the assessment of failures and malfunctions (Chair: Tomi Toratti)	
	- <i>Design of safe timber structures - How can we learn from structural failures?</i>	E. Frühwald
	- <i>Statistics of damages to timber structures in Germany</i>	M. Frese
	- <i>A scheme for the evaluation of experience about the performance of timber structures</i>	G. Fink
	- <i>Proposal for a failure assessment template</i>	T. Toratti
13:00	Lunch break	

May 26/27, 2011

14:30	Session on the ductility in timber connections (Chair: André Jorissen)	
	- <i>General notes on ductility in timber structures</i>	A. Jorissen
	- <i>Quantifying ductility in timber structures</i>	K. A. Malo
	- <i>Ductility requirements for moment connections in statically indeterminate timber structures</i>	A. Leijten
	- <i>Consideration of plasticity within the design of timber structures due to connection ductility</i>	F. Brühl

15:50	Coffee break	
-------	--------------	--

16:20	Session on the ductility in timber connections (cont.) (Chair: André Jorissen)	
	- <i>Elastic and ductile design of multi-storey crosslam massive wooden buildings under seismic actions</i>	M. Fragiacomò
	- <i>Failure mechanisms of dowel-type fastener connections perpendicular-to-grain</i>	D. Schoenmakers
	- <i>Ductility of timber-concrete connections</i>	A. Dias
	- <i>Ductility aspects of reinforced and non-reinforced timber joints</i>	P. Schädle

17:45	Closure of the first day	
-------	--------------------------	--

20:00	Dinner at “Zunft zur Zimmerleuten”	
-------	------------------------------------	--

May 26/27, 2011

Friday, May 27th, 2011

08:30	Special session on Prospects and challenges in future timber engineering research (cont.)	
	- <i>Keynote Lecture by Pierre Quenneville</i>	
	- <i>Keynote Lecture by Frank Lam</i>	
	- <i>Keynote Lecture by Keith Crews</i>	
10:15	Coffee break	
10:45	Session on moisture induced stresses (Chair: Staffan Svensson)	
	- <i>On the consideration of moisture induced stresses in timber structural design</i>	J. Köhler
	- <i>NMR imaging study and multi-Fickian numerical simulation of moisture transfer in Norway spruce samples</i>	S. Fortino
	- <i>A proposal to account for environmental effects in design of timber-concrete composite beams</i>	M. Fragiaco
	- <i>Moisture-induced stresses perpendicular to grain in timber sections exposed to European climates</i>	T. Toratti
	- <i>Predicting moisture state of timber members in continuously varying climate</i>	S. Svensson
12:45	Lunch break	
14:00	Session on Robustness of timber structures (Chair: John D. Sørensen)	
	- <i>Framework for robustness assessment of timber structures</i>	J. D. Sørensen
	- <i>System Reliability of timber structures with ductile behaviour</i>	P.-H. Kirkegaard
	- <i>Robustness of large-span timber roof structures - structural aspects</i>	P. Dietsch

May 26/27, 2011

15:00	Coffee break	
	- <i>Robustness of large-span timber roof structures - two examples</i>	J. Munch-Andersen
	- <i>Robustness of timber structures in seismic areas</i>	J. Branco
	- <i>Example of a probabilistic robustness analysis: Croatian sports hall</i>	D. Cizmar
15:45	Closure	
17:00	Barbecue	

Participation

All interested parties are invited to participate in this conference. Please register not later than **March 1st, 2011** at http://www.cost-e55.ethz.ch/Zurich_final.html. If you have any questions, please do not hesitate to contact us (fink@ibk.baug.ethz.ch).

Fees and Reimbursement:

The conference **fee for external participants** (not member of COST E55) is **140 EURO**.

For **COST E55 members** it is free to attend the conference if **registered before March 1st, 2011**. Travel and hotel costs are reimbursed to a fixed amount after prior agreement with the MC members of your country. To facilitate efficient planning it is required that COST E55 members **submit their approximate travel and accommodation budget** not later than 1 week after registration; i.e. until March 7th, 2011 at latest.

Further information about this conference and about the COST Action E55 in general may be obtained from <http://www.cost-e55.ethz.ch>.

May 26/27, 2011

Zurich

Zurich is the cultural and business center of Switzerland. Thanks to the international airport, Zurich is connected via direct flights to over 150 cities around the world. It only takes a 10-minute train ride for travelers to get from the airport to the main station in the city center. Offering connections every few minutes, Zurich's public transportation system is considered to be the most comprehensive in the world.



For more Information about Zurich see [ZURICH](#).

Meeting venue

Swiss Federal Institute of Technology ETH

Room: MM C 78.1 -> ('MM' stands for the building, 'C' is the floor, '78.1' the room number)

Leonhardstrasse 34

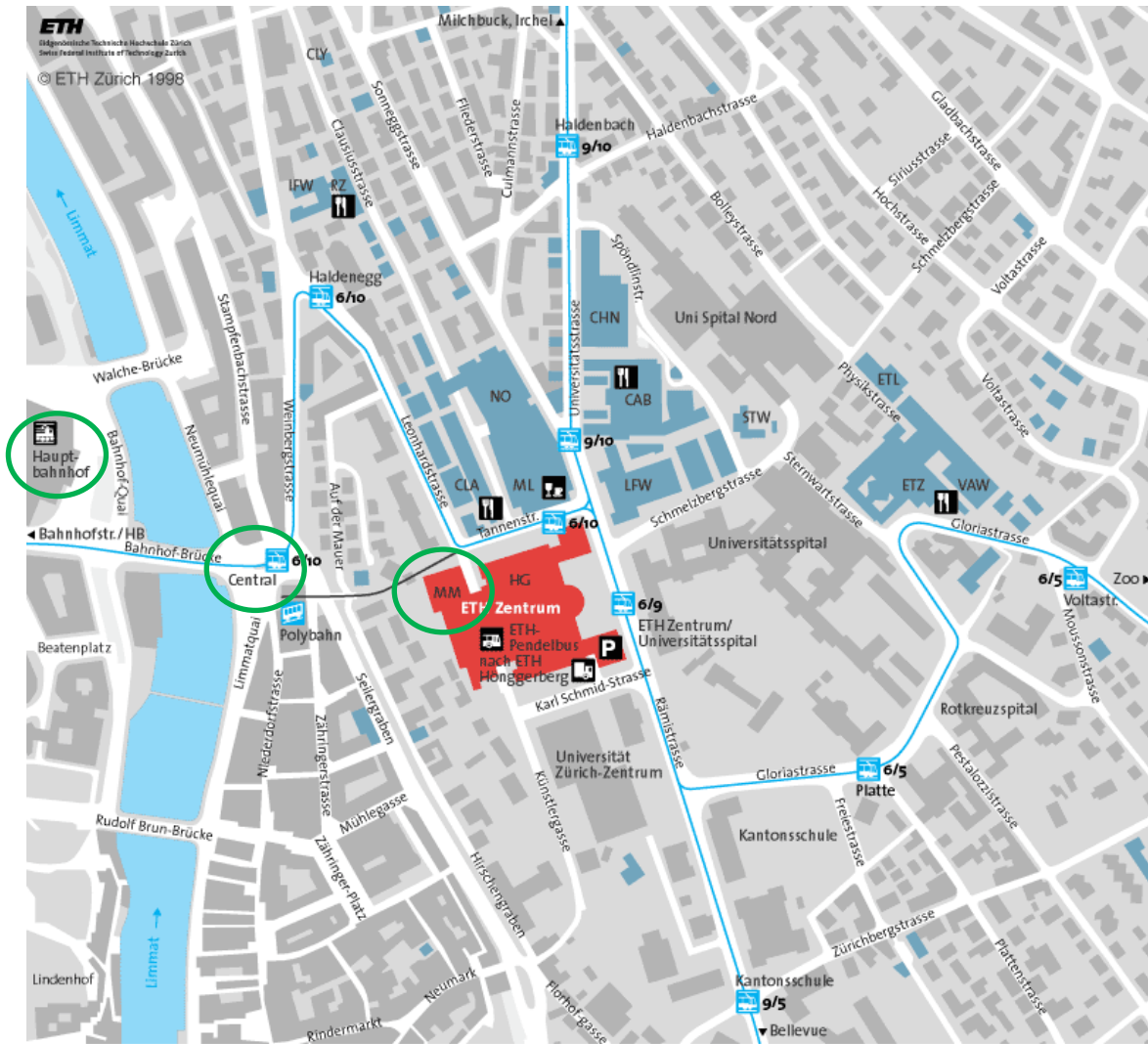
8092 Zürich

[VENUE](#)

How to reach from Zurich main station

Three minutes walk or with tram no. 3 from main station ("Bahnhofplatz") to the stop "Central" (1 stop) and from "Central" with the Polybahn (leaves every three minutes) up to the "Polyterrasse" ([TRANSPORTATION](#)). Please consider also the map on the next page.

May 26/27, 2011



May 26/27, 2011

List of Hotels

Price : Single Room above 150 CHF / Double Room above 200 CHF

****	Hotel Krone Unterstrass Schaffhauserstrasse 1 8006 Zürich	info@hotel-krone.ch http://www.hotel-krone.ch
***	Hotel Limmatblick Limmatquai 136 8001 Zürich	reception@limmatblick.ch http://www.limmatblick.ch
***	Hotel Coronado Schaffhauserstrasse 137 8057 Zürich	coronado@hotel-coronado.ch http://www.hotel-coronado.ch
***	Hotel du Théâtre Seilergraben 69, Centralplatz 8001 Zürich	http://www.hotel-du-theatre.ch info@hotel-du-theatre.ch
	Pension St. Josef Hirschgraben 64-68 8001 Zürich	st.josef@bluewin.ch http://www.st-josef.ch

Price : Single Room above 100 CHF / Double Room above 150 CHF

***	Hotel Leoneck Leonhardstrasse 1 8001 Zürich	info@leoneck.ch http://www.leoneck.ch
*	Hotel Martahaus Züringerstrasse 36 8001 Zürich	info@martahaus.ch http://www.martahaus.ch
