

COST E55 - Modelling the Performance of Timber Structures

Final Conference

ETH Zurich

Switzerland

26. – 27. May 2011

6th Announcement & Preliminary Programme

Local Organiser and Chairman of the Conference:

Jochen Köhler

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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 by Motoi Yasimura</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>Proposal for a failure assessment template</i>	T. Toratti
	- <i>A scheme for the evaluation of experience about the performance of timber structures</i>	G. Fink
13:00	Lunch break	

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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	
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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>	H.-J. Blaß

17:45	Closure of the first day	
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20:00	Dinner at “Zunft zur Zimmerleuten”	
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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>	
09:45	Coffee break	
10:00	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>	J. Schaezlin
	- <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
12:00	Lunch break	
13:00	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
14:00	Coffee break	

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	- <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

14:45	Summary and Closure	J. Köhler
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15:00 -	Management Committee Meeting	MC Members
17:00		

18:00	Barbecue	
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Participation

Fees and Reimbursement:

The conference **fee for external participants** (not member of COST E55) is **40 EURO** per day. The participation at the dinner on Thursday is **100 EURO**.

For **COST E55 members** the conference fee is 150 EURO. All participants leaving Friday before the BBQ pay 140 Euro.

Accompany persons pay 100 Euro for the Dinner, BBQ free.

Travel reimbursement is restricted to 275 Euro per participant including local transportation.

Accommodation reimbursement is restricted to max. 150 Euro in total.

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

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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

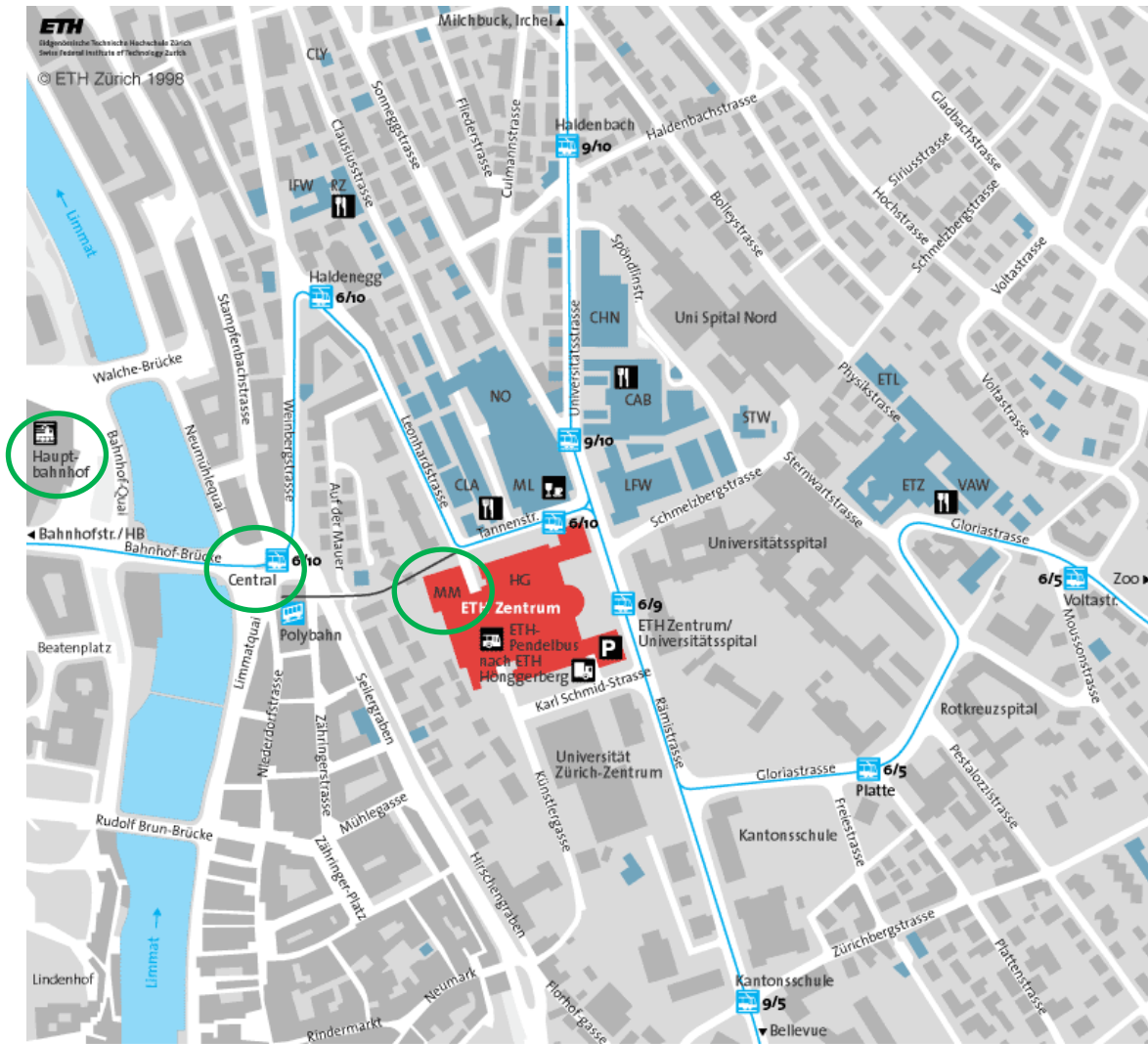
8092 Zürich

[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.

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List of Hotels

Prices from 5.5.2011 – Single/Double per room – in EUR (CHF)

			26.-27.5	25.-27.5	25.-28.5.
****	Hotel Krone Unterstrass Schaffhauserstrasse 1 8006 Zürich	info@hotel-krone.ch http://www.hotel-krone.ch	158/240 (200/304)	315/457 (400/580)	431/618 (546/783)
***	Hotel Limmatblick Limmatquai 136 8001 Zürich	reception@limmatblick.ch http://www.limmatblick.ch	181/181 (230/230)	363/363 (460/460)	544/544 (690/690)
***	Hotel du Théâtre Seilergraben 69, Centralplatz 8001 Zürich	http://www.hotel-du-theatre.ch info@hotel-du-theatre.ch	193/213 (245/270)	386/426 (490/540)	516/573 (654/726)
***	Hotel Leoneck Leonhardstrasse 1 8001 Zürich	info@leoneck.ch http://www.leoneck.ch	122/154 (155/195)	-	-
*	Hotel Martahaus Züringerstrasse 36 8001 Zürich	info@martahaus.ch http://www.martahaus.ch	110/142 (140/180)	221/284 (280/360)	331/426 (420/540)
**	Hotel Ibis Zurich Adliswil Zürichstrasse 105 8134 Adliswil	http://www.ibishotel.com/gb/home/index.shtml	88/90 (111/114)	201/205 (255/260)	197/203 (250/258) Note that 3 are cheaper than 2 nights

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***	Hotel Kronenhof Wehntalerstr. 551 8046 Zurich	http://www.hotel-kronenhof.ch/	84/116 (106/147)	167/232 (212/294)	243/326 (308/414)
***	G-Hotel Goldenes Schwert Marktgasse 14 8001 Zurich	http://www.g-hotel.ch/d/index.html	103/134 (130/170)	205/268 (260/340)	308/402 (390/510)
	Budget Motel Dällikon Langwiesenstrasse 7 8108 Dällikon	http://www.budget-motel.ch/	69/99 (87/126)	137/199 (174/252)	206/298 (261/378)
	Hotel Otter Oberdorfstrasse 7 8001 Zurich (shared bathroom)		99/138 (125/175)	197/276 (250/350)	296/414 (375/525)
	ZicZak Rock-Hotel Marktgasse 17 8001 Zurich (shared bathroom)		68/134 (86/170)	136/268 (172/340)	203/402 (258/510)
	Hotel Welcome Inn Holbergstrasse 1 8302 Kloten	http://www.welcomgroup.ch/	128/139 (162/176)	256/278 (325/352)	333/368 (422/467)
	Hotel Limmathof Limmatquai 142 8001 Zurich	http://www.limmathof.com/	95/130 (120/165)	189/260 (240/330)	284/390 (360/495)
	Youthhostel Zurich Mutschellenstr. 114 8038 Zurich		-/121 (-/153)	-/241 (-/306)	-/363 (-/460)