Joint Conference of COST Actions FP1402 and FP1404 and WG and MC meetings of COST FP1402 and FP1404

Final Programme

### **Final Programme**

Joint Conference of COST Actions FP1402 and FP1404 Cross Laminated Timber – a competitive wood product for visionary and fire safe buildings

and WG and MC meetings of COST FP1402 and FP1404

KTH Stockholm Thursday 10<sup>th</sup> – Friday 11<sup>th</sup> March 2016

### Registration

Online registration, program updates and further information are published at: <a href="https://www.costfp1402.tum.de">www.costfp1402.tum.de</a> and <a href="https://www.costfp1404.com">www.costfp1404.com</a>.

### **Conference Fee**

The conference fee (for March 10) will be SEK 600 (~ 65.-€) to be paid on site. The fee includes coffee breaks, lunch, dinner and proceedings. For COST members attending the working group meetings on March 11, participation fee will be SEK 300 (~ 35.-€).

### **Local Organisers**

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### **PROGRAMME**

### Thursday, March 10th 2016

08:30 - 09:00	Signing of Attendance List, payment of fee (SEK cash only) in <i>Q Auditorium (Room Q1) (Osquldas väg 6, see map)</i>
09:00 - 09:30	Welcome, general information and outline of Conference (Andreas Falk, Philipp Dietsch, Joachim Schmid) (Room: Q1, please refer to attached map)
09:30 – 10:45	Introduction to CLT - product properties - strength classes (Gerhard Schickhofer)
	CLT – Standardization of the product and its design (Tobias Wiegand)
	Basis of design principles – application to CLT (Jochen Köhler & Gerhard Fink)
10:45 – 11:15	Coffee Break
11:15 – 12:15	Ultimate limit states design of CLT elements – Basics and some special topics (Alexandra Thiel)
	Introduction to fire design with respect to timber structures and CLT (Luke Bisby)
	Objectives of common Workshop and forming of Think Tanks ( <i>Joachim Schmid &amp; Philipp Dietsch</i> )
12:15 – 13:00	Lunch
13:00 – 15:00	Fire Design of CLT – comparison of design concepts (Michael Klippel)
	Testing of CLT in fire and concepts in building regulations (Andrea Frangi)
	Detailing of CLT with respect to fire resistance (Stefan Winter)
	Connections between CLT elements and future challenges for CLT in Practice
	(Tristan Wallwork, Smith and Wallwork)

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15:00 – 15:30 Coffee break

15:30 – 17:00 Workshop – Meetings of Think Tanks

Think Tank 1 - Think Tank 4, rooms as below:

(each Think Tank will be a mix from FP1402, FP1404

and external participants)

17:00 – 17:30 Common meeting – Summary and discussion of results

from Think Tanks (TT leaders)

Room: Q1

19:00 Reception and light buffet

City hall of Stockholm

Address: Hantverkargatan 1, Stockholm

Dress code: no dress code required but remember that it is a reception with the Mayor of Stockholm.

### **Proceedings**

Prior to the conference, all participants will receive conference proceedings in electronic format.

After the conference, printed proceedings (including the Minutes from Technical Discussions and Think Tanks) will be posted to each participant.

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### Friday, March 11th 2016

08:30 – 10:30 WG meetings

COST FP1402 at KTH in E Auditoriums

(Lindstedsvägen 3 see map)

WG1: room E31 / WG2: room E32 WG3: room E2 / WG4: room E33

COST FP1404 at Innventia

(Drottning Kristians väg 61, see map)

10:30 – 11:00 Coffee break
11:00 – 12:00 WG meetings (continued)
12:00 – 13:00 Lunch
13:00 – 14:30 WG meetings (continued)

14:30 – 15:30 <u>COST FP1402 common meeting</u>

at E Auditoriums, Room E2 (Lindstedsvägen 3, see map)

Presentation and discussion of results from WG meetings

(10 – 15 mins each)

COST FP1404 common meeting

at Innventia (Drottning Kristinas väg 61, see map)

Presentation and discussion of results from WG meetings

(10-15 mins each)

15:30 – 17:00 COST FP1402 Management Committee meeting

at E Auditoriums, Room E2 (Lindstedsvägen 3, see map)

COST FP1404 Management Committee meeting at Innventia (Drottning Kristinas väg 61, see map)

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### TRAVEL TO/FROM STOCKHOLM

To travel to Stockholm, you can fly to Stockholms main airport, Arlanda (ARN), Bromma City airport (BMA) or Skavsta (NYO).

# <u>Transportation from Stockholm Arlanda Airport (ARN) to the city center</u> Stockholm:

The best and fastest way from Stockholm Arlanda Airport (ARN) to the city center Stockholm would be to take the Arlanda Express train which departs from the airport every 15-20 minutes. You will reach the city center within 20 minutes. The train tickets can be bought online beforehand or from a self-serviced machine at the airport. For more information: <a href="https://www.arlandaexpress.com/default.aspx?page=3&">https://www.arlandaexpress.com/default.aspx?page=3&</a> Price is with single 280SEK and with return 530SEK.

Please note that if you are more than 2 persons travelling to the city center, you may purchase discount train tickets. For more information, please check the website.

A bus connection (ca. 40) minutes is available as well, price ca. 100SEK per travel. For more information: http://www.flygbussarna.se/en/arlanda

### Transportation from Bromma Airport (BMA) to the city center in Stockholm:

There is an airport coach which will take you to the city center within 20 minutes. The coach will depart every 20 minutes from the airport / city. Price is for single 75SEK and with return 150SEK. For more information:

http://www.flygbussarna.se/en/Bromma

### <u>Transportation from Skavsta Airport (NYO) to the city center in Stockholm:</u>

There is an airport coach which will take you to the city center within 80 minutes. For more information: <a href="http://flygbussarna.se/en/skavsta">http://flygbussarna.se/en/skavsta</a>

### Taxis:

Taxis from the airport to the city center are not recommended due to traffic jam reasons. Depending on your arrival time, your drive from the airport to the city center (approx. 40km) might take more than one hour. The fixed price is depending on the taxi company and starts at 470SEK for one way travel.

### **Local Transportation in Stockholm:**

Underground subway would be one of the best options to transport in Stockholm. Single tickets (36SEK) and 72h tickets (230SEK) can be purchased at any subway entrance. For more details: <a href="http://sl.se/en/">http://sl.se/en/</a>

- Meeting venue for members of <u>FP1402</u> and <u>FP1404</u> on March 10<sup>th</sup>, at KTH Campus: Building Q (Osquldas väg 6)
- Meeting venue for members for <u>FP1402</u> on March 11<sup>th</sup>: Building E (Lindstedsvägen 3)
- Meeting venue for members for <u>FP1404</u> on March 11<sup>th</sup>: Innventia (Drottning Kristinas väg 61)

Closest underground subway station: Tekniska Högskolan



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### HOTELS IN STOCKHOLM

We have currently pre-booked rooms in 3 hotels, see below. Please use the booking forms provided by the hotels for booking.

Hotel	Booking information	Price /per night	
Elite Hotel	stockholm.groups@elite.se	SEK1258/night for a single	
Arcadia	Tel +46 (0) 8 - 559 017 40	room (allotment: 10 rooms	
	Booking code: 4104693	available)	
Elite Hotel Palace	stockholm.groups@elite.se	SEK1340/night for a single	
	Tel +46 (0) 8 - 559 017 40	room (allotment: 40 rooms	
	Booking code: 4104689	available)	
Clarion	registration.stockholm@choice.se	SEK1395/night for a single	
Stockholm	Tel: +46 (0)8 462 10 40	room	
	Booking procedure: booking	(allotment: 22 rooms	
	sheet attached with programme	available)	

### Rooms at Elite Hotel Arcadia / Hotel Palace:

- Please contact the sales office by email or phone mentioning reference booking code. (Elite Arcadia: 4104693 / Elite Palace: 4104689)
- Last day of cancellation: 4 weeks prior to arrival date (Between 4 2 weeks, 50% will be charge, less then 2 weeks prior to arrival date 100% of the hotel fee will be charged)

#### Conditions:

The purchaser of this group booking is responsible for informing the participants about the following cancellation policy. If participants are not informed about the cancellation policy and end up in an argument with the hotel about the payment, the purchaser becomes liable.

Participants contact us by themselves in with name and payment method within four weeks prior to arrival date. Cancellations can be made free of charge up to four weeks before your arrival date. The remaining rooms that are not named, are automatically dropped from the group booking four weeks prior to arrival date. Thereafter, further bookings for the group reservation only subject to availability and to the same conditions.

If a single participant cancel later than four (4) weeks before the date of arrival the participant shall replace the hotel with 50% of the value of the accommodation. If a single participant cancel later than two (2) weeks before the date of arrival the participant shall replace the hotel with 100% of the value of the accommodation. No-show will be charged to the participant with a 100% value of the order. If the reservation is for more nights, the participant must notify the hotel before 10:00 am the day after the no-show to confirm if the room will be used the remaining nights, otherwise the room will be released for the remaining nights.

For more information:

Elite Hotel Arcadia: <a href="https://www.elite.se/en/hotels/stockholm/hotel-arcadia/">https://www.elite.se/en/hotels/stockholm/hotel-arcadia/</a>
Elite Hotel Palace: <a href="https://www.elite.se/en/hotels/stockholm/palace-hotel/">https://www.elite.se/en/hotels/stockholm/palace-hotel/</a>



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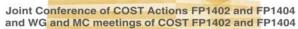
### For rooms at Clarion Hotel Stockholm:

- Please send the accommodation form (attached with programme) by email to registration.stockholm@choice.se or by fax +46 8 462 99 19 as soon as possible.
- Last day of cancellation without charge at latest Feb 24, 2016.
   100% of the room fee will be charged after February 24th, 2016 as well as in case of now-show.

For more information about Clarion Hotel Stockholm: <a href="https://www.nordicchoicehotels.com/clarion-hotel-stockholm/">https://www.nordicchoicehotels.com/clarion-hotel-stockholm/</a>

Here are some other recommendations for hotels taken from <a href="www.booking.com">www.booking.com</a> Please kindly note the prices can change and the number of rooms is limited.

Hotel	Contact Information	Price /per night
Hotel Vanadis	http://vanadishotel.com/Index.aspx?Language	Ca. EUR84/night
	<u>ld=2</u>	for a single room
Hotel	http://www.hoteltegnerlunden.se/default-	Ca. EUR108/night
Tegnerlunden	en.html	for a single room
Hotel	http://htlhotels.com/hotels/upplandsgatan/	Ca. EUR100/night
Upplandsgatan		for a single room
Castle House Inn	http://castlehouse.se/	Ca. EUR72/night

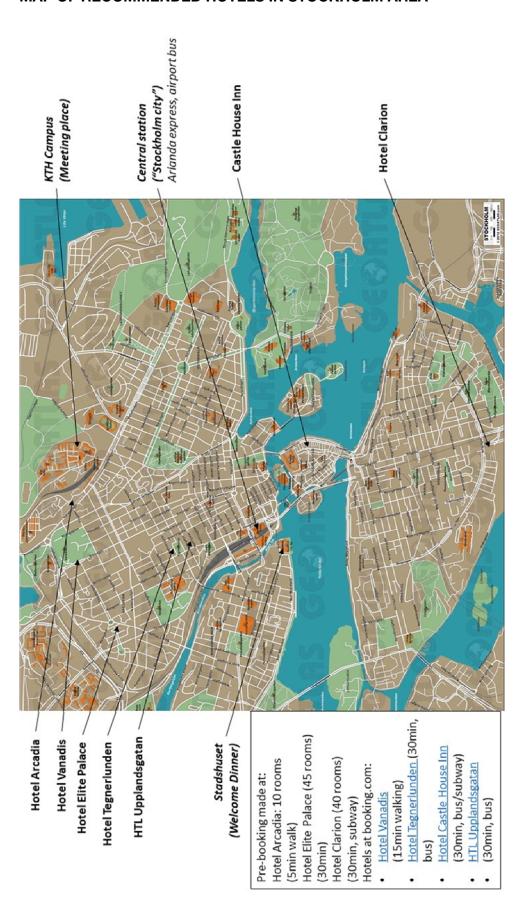


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### MAP OF RECOMMENDED HOTELS IN STOCKHOLM AREA



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### **MAP OF KTH CAMPUS**

