



**Cross Laminated Timber – a competitive wood product
for visionary and fire safe buildings**

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

Final Programme

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***Cross Laminated Timber – a competitive wood product
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KTH Stockholm

Thursday 10th – Friday 11th March 2016

Registration

Online registration, program updates and further information are published at:

www.costfp1402.tum.de and www.costfp1404.com.

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 Q Auditorium (Room Q1) (*Osquldas väg 6, see map*)
- 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 (*Joachim Schmid & Philipp Dietsch*)
- 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:*
 TT1: *room Q1* TT2: *room Q11*
 TT3: *room Q13* TT4: *room Q15*
 (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.

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 COST FP1402 common meeting
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).

Transportation from Stockholm Arlanda Airport (ARN) to the city center

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: <https://www.arlandaexpress.com/default.aspx?page=3&>

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>

Transportation from Skavsta Airport (NYO) to the city center in Stockholm:

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

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: <http://sl.se/en/>

- Meeting venue for members of FP1402 and FP1404 on March 10th, at KTH Campus:
Building Q (Osquidas väg 6)

- Meeting venue for members for FP1402 on March 11th :
Building E (Lindstedsvägen 3)

- Meeting venue for members for FP1404 on March 11th :
Innventia (Drottning Kristinas väg 61)

Closest underground subway station: Tekniska Höskolan

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

Elite Hotel Palace: <https://www.elite.se/en/hotels/stockholm/palace-hotel/>



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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:

<https://www.nordicchoicehotels.com/clarion/clarion-hotel-stockholm/>

Here are some other recommendations for hotels taken from www.booking.com

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?LanguageId=2	Ca. EUR84/night for a single room
Hotel Tegnerlunden	http://www.hoteltegnerlunden.se/default-en.html	Ca. EUR108/night for a single room
Hotel Upplandsgatan	http://htlhotels.com/hotels/upplandsgatan/	Ca. EUR100/night for a single room
Castle House Inn	http://castlehouse.se/	Ca. EUR72/night

MAP OF RECOMMENDED HOTELS IN STOCKHOLM AREA



Hotel Arcadia
 Hotel Vanadis
 Hotel Elite Palace
 Hotel Tegnerlunden
 HTL Upplandsgatan

Stadshuset
 (Welcome Dinner)

Pre-booking made at:
 Hotel Arcadia: 10 rooms (5min walk)
 Hotel Elite Palace (45 rooms) (30min)
 Hotel Clarion (40 rooms) (30min, subway)
 Hotels at booking.com:
 • [Hotel Vanadis](#) (15min walking)
 • [Hotel Tegnerlunden](#) (30min, bus)
 • [Hotel Castle House Inn](#) (30min, bus/subway)
 • [HTL Upplandsgatan](#)
 • (30min, bus)

MAP OF KTH CAMPUS

