

International seminar: **Why build in wood**

Where: Montedinove, Italy

When: 29-31 August 2024

We invite you to an exclusive seminar entitled *Why build in wood* (see page 3 for program). The seminar is addressed to wood manufacturer managers, engineers, architects and anyone else who has interest in wood. During the seminar we will investigate the use of wood as a material for constructions. In which cases is wood a suitable material for architectural and engineering purposes? What are the possibilities and limitations of wood? What does the future look like for wood-based products? And what is yet to come for the forests? These and other issues will be discussed during the seminar.

The location of the seminar is Montedinove, a small idyllic village located in the region Marche, in central Italy.



We will meet the evening before the seminar on August 29 for refreshments in the square of Montedinove, with a buffet-style arrangement, so you can mingle and enjoy both food, wine and the beautiful view of mountains, valleys and hills.

The seminar will be held on August 30 between 9:00 and 17:30.

The day after the seminar, i.e. on *August 31*, we will visit a vineyard.

The cost of participation for both the seminar and the events on August 29 and 31 is SEK 6,750, excluding VAT. (Included is also lunch and dinner on August 30.) Accompanying person can participate in all events from 29 of August to 31 of August except the seminar. The cost for accompanying person is SEK 1,250 including VAT.

Sponsoring possibility for participating industry representative:

Representatives from different companies may want to sponsor the event. Examples of sponsoring are:

- a) 15 000 SEK (one person from the company can participate without need of paying the seminar fee. A company's sign is allowed during the seminar)
- b) 25 000 SEK (two person from the company can participate without need of paying the seminar fee. A company's sign is allowed during the seminar)

Registration

Register to the seminar via the following link:

<https://www.netigate.se/a/s.aspx?s=1217750X432459301X43118>

NOTE: we want you to register no later than June 10, 2024. The number of participants is limited to 40 people, "the first-come, first-served" principle applies!

Travel and accommodation

Travel and accommodation are booked on your own. See page 5 for travel tips and suggestions for accommodation.

Sincerely welcome,

Magnus Wålinder
Professor KTH

Anders Rosenkilde
Adj. Professor LTH
Senior advisor TMF

Roberto Crocetti
Adj. Professor KTH
Timber Bridge Specialists TBS

Tomas Alsmarker
Head of Innovation & Research
Swedish wood

Fredrik Westin
CEO Träskyddsföreningen



Program August 29-31

Day 1 August 29

19.00 Reception in the square of Montedinove, for refreshments and a buffet-style arrangement

Day 2 August 30

The seminar starts at 9.00 and ends at 17.30, including lunch and two breaks. The venue is located at the center of Montedinove.

09.00 to 12.30 Before lunch session

- Introduction by Swedish Wood, TMF, Träskyddsföreningen
- Short presentation by KTH
- The Italian market of timber construction (Ugo Terzi, Federlegno- The Italian Federation of Woodworking and furniture industries)
- Basic timber used for Carbon Neutrality (Jean-Luc Sandoz, CBS-CBT)
- New timber-based construction products, with particular emphasis on densified wood and veneer-based products (Ulrich Müller, University of Natural Resources and Life Sciences, Vienna)

12.30-13.30 LUNCH

13.30 to 17.30 After lunch session

- Short presentation about the location (Tourist guide)
- Innovative products obtained by bonding different EWPs (Simon Aicher, Materials Testing Institute, University of Stuttgart)
- Possibility and limitations of timber in architecture (Jørgen Tycho, OsloTre)
- Possibilities and limitations of timber in structural engineering (Martin Fröderberg, Tyréns)
- State of the world's forests with particular emphasis on European forests (Tomas Lundmark, SLU)

19.30 Start of the evening event with mingle followed by dinner

Day 3 August 31

Visit at local vineyard ending with a light lunch

Short bio of the presenters:

Ugo Terzi

Ugo Terzi is an Architect, expert in wooden constructions and timber sector regulations - member of UNI/CEN. He works as Assolegno Manager in Federlegno Arredo, Milan. Ugo's key competencies are: - Design and construction of wooden buildings, with an emphasis on sustainability and energy efficiency; - In-depth knowledge of sector regulations and ability to adapt projects to specific local and international regulations; - Experience in evaluating and implementing technologies for carbon sequestration in building materials.

Jørgen Tycho

Jørgen Tycho is a Norwegian architect with over 15 years of expertise in timber construction. Formerly managing a CLT production, he now directs Oslo tre, a design-build firm he founded in 2015. Jørgen works with innovative biological architecture, integrating wooden solutions with prefabrication and high-tech methods. Oslo tre's pioneering work in timber architecture has earned them international acclaim for their award-winning timber architecture.

Martin Fröderberg

Martin Fröderberg is a Swedish structural engineer at Tyréns, specialized in structural analysis and conceptual design with a particular interest in sustainability. In his role as Head of Structural Design, he develops and educates his colleagues in the philosophy and methodology of early-stage structural design – based on his research around the Human Factor in Structural Engineering. Martin masters all structural materials, but timber has always been close to his heart. Recently he finished the work with a timber multi-storey car park in Sege Park in Malmö and he is currently involved, as principal author, in the revision of the Swedish CLT-handbook.

Jean-Luc Sandoz

Jean-Luc Sandoz, a Franco-Swiss engineer, is a pioneer in the field of wood construction. He started with a carpentry apprenticeship, then pursued engineering studies at ENSTIB and obtained his EPFL doctorate in 1990. He developed non-destructive technologies to measure the mechanical quality of wood and designed innovative structural systems. He is a professor at EPFL and co-wrote volume XIII of the civil engineering treatise "Construction en Bois". In 1991, he founded the CBS-Lifeteam group. As a global expert, he has carried out emblematic projects such as the offshore platforms of Expo 02 in Switzerland, or the Guiana Space Center in Kourou, in 2017. He advocates for sustainable forest management through a philosophy of "more engineering, less material". He received the Medal of the Academy of Architecture of France in 2016 and the Fibois Ile-de-France Prize for ecological housing in Paris. Jean-Luc Sandoz continues to be a major figure in the field of wood construction, contributing to innovative and sustainable projects.

Ulrich Müller

Dr. Ulrich Müller, born in 1967, studied wood technology at the University of Natural Resources and Life Sciences, Vienna (BOKU) after completing an apprenticeship as a carpenter. After working in the wood industry, he worked as a university assistant at the Department of Materials Science/Institute of Wood Technology and Renewable Resources at BOKU and as a key researcher at the Wood K plus competence center. From 2006 to 2013, he was employed as a key researcher and area manager of the Solid Wood and Wood Composites Area at Wood K plus. In 2013 he returned to Boku as Senior Scientist at the Institute of Wood Technology and Renewable Resources. Since 2014, he has been working in the field of wood in vehicle construction and high-performance materials made from densified wood veneers.

Tomas Lundmark

Tomas Lundmark's research areas are forest management in general, management for increased growth and yield, continuous cover forestry, carbon/nitrogen balances, climate change mitigation. Between 2011 and 2022 he has served as Professor of Silviculture (chair) at the Department of Forest Ecology and Management, SLU Swedish University of Agricultural Sciences. Between 2013 and 2022 he has been the director of the Unit for Field-based Forest Research, SLU. Since 2011 he is a member of KSLA, the Royal Swedish Academy of Agriculture and Forestry.

Simon Aicher

Simon Aicher is a renowned German timber engineering specialist at the research forefront in wood bonding technology and adhesive joints for wood-based building materials and engineered wood products (EWP). At present he is Chief Academic Director at University Stuttgart and Head of Div. Green Engineering, part time, at Materials Testing Institute (MPA). Among many positions he was 2005 – 2023 Head of the Department Timber Construction at MPA. He has a PhD (1984) in Natural Sciences (Dr. rer. Nat) and a Dipl.-Ing. degree (1979) in Wood Science at University Hamburg.

How to get to Montedinove- some travel tips

The best way to get to Montedinove is to fly to one of the cities suggested below, then renting a car on arrival at the airport.

The nearest airports are Ancona and Pescara - it takes just over an hour to get from these airports to Montedinove by car.

Easiest, and usually cheapest, is however to fly to Rome or Bologna. From these airports, it is about a 3-hour drive to Montedinove.

Proposed accommodations close to Montedinove

(if you have problems to book, please contact Roberto Crocetti crocetti@kth.se)

(The accommodations highlighted in red in the table below can also be found here: https://www.guidedocartis.it/?page_id=26289)

NAME	Distance to the seminar venue	Info
HOTEL DEL DUCA -	300 m	www.hoteldelduca.com info@hoteldelduca.com
LA QUERCIA DI CHECCO - B&B	3,5 km	www.laquerciadichecco.it info@laquerciadichecco.it
AGRITURISMO LA PRIORA DEL CONTE DRAGONE	3,5 km	emanuela.pasqualini@gmail.com
B&B FIORE SELVATICO	3,5 km	www.terredelpiceno.it/strutture/bb-fiore-selvatico/
AGRITURISMO LA COLLINA DEGLI ULIVI	2,6 km	www.agriturismolacollinadegliulivi.com
AGRITURISMO LE VIGNE DI CLEMENTINA FABI	3,0 km	www.levignediclementinafabi.it/
AGRITURISMO IL FIENILE	1,0 km	il.fienile@tiscali.it
LA CASETTA AL SOLE	2,6 km	https://www.lacasettaalsole.it/
AGRITURISMO IL SENTIERO	6 km	http://www.bbisentiero.it/
AGRITURISMO TERRE VINEATE	6 km	https://www.terrevineate.com/en/