

International seminar and workshop: Why build in wood?

Where: Montedinove, Marche region, Italy

When: 17-19 September 2025

We invite you to an exclusive seminar and workshop entitled *Why build in wood* (see page 3 for program). The event 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 particular, this year we will focus on timber and engineered wood products which make use of different wood species as well as efficient production using robotic automation. The following questions, among others, will be discussed: What are the advantages of combining softwood and hardwood? How can we make better use of hardwood forests in a sustainable way? Is the use of robotics and increased automatization the future of manufacturing structural components in timber construction?

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



We will meet the evening before the seminar on Wednesday September 17 for refreshments in the square of a beautiful village, 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 September 18 between 8:30 and 17:00. After the seminar there will be an evening event with mingle followed by dinner.

The day after the seminar, i.e. on September 19, there will be a workshop focusing on mapping trends and needs in research and development concerning the seminar's topics. Possible construction projects for students to facilitate innovation will also be discussed.

After the workshop there will be a wine tasting activity.

The cost of participation for both the seminar and the events on September 17 to 19 is 695 €, excluding VAT. (Included is reception on 17/9, lunch and dinner on 18/9 and lunch at wine tasting on 19/9.) Accompanying person can participate in all events from 17 of September to 19 of September except the seminar and workshop. The cost for accompanying person is 125 € excluding VAT.

Sponsoring possibility for participating industry representative:

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

- a) 1500 € (one person from the company can participate without need of paying the seminar fee. A company's sign is allowed during the seminar)
- b) 2500 € (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.trippus.net/whybuildinwood_2025

NOTE: we want you to register no later **than August 20, 2025**. The number of participants in the seminar and the workshop is limited to 60 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

Olof Mundt-Petersen
PhD, TMF

Roberto Crocetti
Adj. Prof. KTH and TBS

Anders Rosenkilde
Adj. Prof. LTH and TMF

Daniel Honfi
PhD, TBS



Program September 17-19

Day 1 September 17

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

Day 2 September 18

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

08.30 - 12.00 Morning session (including coffee break)

- Welcome and registration
- Innovations in the field of EWPs with emphasis on combination of hard and soft wood species (Georg Jeitler, Austria)
- Chestnut wood- characteristic and potential (Gabriele Bonamini, Italy)
- Birch plywood in connections of timber structures (Roberto Crocetti, Sweden/Italy)
- Strength grading and hardwoods (Mikael Perstorper, Sweden)

12.00 - 13.00 LUNCH

13.00 - 17.00 Afternoon session (including coffee break)

- Forestry aspects related to hardwood and climate changes (Tomas Lundmark, Sweden)
- AI-supported research in connection with biogenic structures of the stem-branch connection (Ulrich Müller, Austria)
- Computational Design and Digital Fabrication for Innovative Timber Structures (Hans Jakob Wagner, Germany)
- Revolutionizing Prefabrication in Wood Construction with Smart and Flexible Robotics (Cedric Moutschen, Belgium)

19.30 Start of the evening event with mingle followed by dinner

Day 3 September 19

9.00 - 12.00 Workshop

- Development trends and needs
- Collaboration possibilities and research project ideas
- Innovation through student projects

12.00 - 15.00 Social activity

- Visit at local vineyard ending with a light lunch

Short bio of the presenters:

Gabriele Bonamini holds a degree in "Forestry Sciences" (1982), from the University of Florence and a Post-graduate Master's Degree in "Big Data Analytics and Social Mining" (2017), from the University of Pisa. Since 1982, he has been a freelance professional specialized in scientific and technical consultancy on wood and its derivatives. He has been involved in the development of innovative products and technologies for the high-end wood industry and crafts. He has held numerous teaching positions in official courses at various Italian universities: Florence, Bologna, Palermo, Bolzano.

Roberto Crocetti holds a PhD in steel and timber structures from Chalmers University of Technology. He currently works in the firm TBS- Timber bridge specialists and as an Adj. Professor at the Dept. of Civil and Architectural Engineering, KTH. He has over 25 years of experience in timber constructions both in research and in structural design. During the past seven years his research has focused on developing innovative timber connections

Cedric Moutschen, a graduate in sustainable energy engineering, has been passionate about robotics from a young age. Having worked in his family business since 14, he gained hands-on experience in various roles, from machine operation to CAD design. After two years, he transitioned into robotics, focusing on programming, design, and R&D. He now leads ImaxPro (Robotic), driving innovation and developing high-efficiency machines that meet market needs by combining expertise as both users and manufacturers.

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 at the Department of Materials Science/Institute of Wood Technology and Renewable Resources at BOKU. 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. From 2014 to 2024 he has been working in the field of wood in vehicle construction and high-performance materials made from densified wood veneers. Since 2025, he has been Head of Research & Qualification at the Wood Vision Lab in Weiz.

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 is 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 is 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.

Georg Jeitler is an Austrian structural engineer who graduated from the Technical University of Graz in 2004. He is the Head of Quality and Innovation at the HASSLACHER Group, an Austrian with its 2000 employees. HASSLACHER group produces innovative products in the areas of sawn timber, profiled timber, glued laminated timber, cross laminated timber and structural finger jointed solid timber for the European and international market.

Mikael Perstorper is an adjunct professor of structural engineering at Karlstad University. He has many years of experience in the wood industry as well as a solid academic background. Mikael Perstorper received his PhD in 1994 in steel and timber construction at Chalmers University of Technology and became an associate professor at the university in 1997. His scientific work has focused on the quality of structural timber, partly to broadly define the requirements regarding load-bearing capacity, moisture and shape, and partly to develop dynamic measurement methods for strength sorting.

Hans Jakob Wagner is an international expert on advanced computational wood building systems and associated robotic fabrication systems and -processes. He leads the Computational Wood Architecture research group at the Institute for Computational Design and Construction at the University of Stuttgart and is founder and director of the design tech consultancy Corthus which provides expertise to international clients since 2023. He is the coordinator of the European Innovation Council funded research project "UniversalTimberSlab" and author of more than 30 peer-reviewed publications and 3 patent applications. In 2024 he received the "DigitalFutures Young Award" in recognition of his "exceptional contributions to the field of digital design and fabrication" in his early career.

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.bbilsentiero.it/
AGRITURISMO TERRE VINEATE	6 km	https://www.terrevineate.com/en/