

International Conference

Sustainable High-Performance Hybrid Timber buildings

Wood construction is gaining ground in many countries around the world and replacing concrete even in high buildings with timber is definitely a challenge. There may be some reluctance : What type of timber should be used? What are the constraints? How can my building site be reorganized? What is the cost of such a project?

We have initiated a collaboration between 5 european universities : TTK UAS in Tallinn Estonia, KTK in Kaunas Lithuania, Gdańsk Tech in Gdansk Poland, NOVA in Lisbon Portugal and IUT Lyon 1 in Lyon France. Together, we have been granted funds by ERASMUS+ in order to carry out a 3 year study to bring the partners together to solve these issues and create an online platform that can be used by anyone free of charge.

However, there seems to be a gap between education and companies, and closing this gap is crucial to get the best building quality in the future to secure a more sustainable – also when it comes to wood construction.

At this conference representatives of both industry and education are invited to present and discuss the outcome of our study led over 3 years. - what the existing education plans are and discuss what is needed to build the necessary bridges to close the gap.

Practical information

The hybrid conference takes place on 27-28 June 2023, CET. The conference takes place at IUT Lyon 1, University Institute of Technology, Campus La doua, 84 bd Niels Bohr, 69622 VILLEURBANNE, Amphithéâtre 2 and online on **Zoom**

<https://univ-lyon1-fr.zoom.us/j/86137073026?pwd=Rm5XcEd6cW50eIZpSDJWamtMYjdmdz09>

Registration : sign up!

Joining the conference is free of charge, and you can join physically or online. In both cases, signing up for the event is required on this link:

https://docs.google.com/forms/d/e/1FAIpQLSe-wmGMPMiMRv9ctNtoRVLIQMF7REoDMnKPEEA0LRxdGxu7ng/viewform?usp=sf_link



PROGRAM

27 June 2023 Industry day

9:00 Registration and coffee

9:30 Welcome speech - Michel Massenzio, IUT Lyon 1 director

9:45 Introduction : What did the project consist in?

Roger Howard Taylor and Vijoleta SULCIENE, SCC, Lithuania

10:00 **The starting point of our project** : feedback from a large scale survey that was sent to companies in the 5 countries involved (Lithuania, Estonia, Poland, France and Portugal) to collect the companies needs about Timber construction

Rosita Norvaisiene, Professor, Kaunas University of Applied Engineering Sciences, Lithuania

10:30 **Technical conclusions from the project : what type of timber is better adapted for high-rise buildings and why?**

Emmanuel FERRIER, Professor of structure, IUT Lyon 1, France

11: 15 Coffee break

11:30 **CONFERENCE 1** by Nicolas Fovez from [Rothoblaas](#)

12:15-13:30 Lunch

13:30 **CONFERENCE 2 : Hybridal - a hybrid solution timber-concrete for building floors**

Thomas Brebion, CRUARD company, France

14:15 **CONFERENCE 3 Woodhouse Estonia – Future is built from wood**

Estonia has become the largest exporter of wooden houses in Europe. This success stems from our innovative mindset and Nordic business ethics. Members of Woodhouse Estonia have long experiences and understanding of the traditions, regulations and other specifics of different markets. The lecture will give some overview of the Estonian timber building sector in general.

Eeva Vahtramäe, Cluster Manager at Woodhouse Estonia

15:00 Coffee break

15:15 **CONFERENCE 4 : Large-scale industrialized deep/full-renovation of building stock**

Challenges of building stock in combination with EU environmental targets

Actual examples of projects in Estonia <https://timbeco.ee/portfolio/tervikrenoveerimine-saue/>

Physical challenges in industrialized deep renovation and overcoming these challenges, based on our experience

Tõnis Vaiksaar, Sales director, Member of the board, Timbeco Woodhouse OÜ, Estonia

16:00 closure of the 1st day



PROGRAM

28 June 2023 Academic day

9:00 Registration and coffee

9:30 Welcome speech - Michel Massenzio, IUT Lyon 1 director

9:45 Introduction : What did the project consist in? How are ERASMUS+ projects built and managed?

Vijoleta SULCIENE - SCC - Lithuania

Rosita Norvaisiene, Professor, Kaunas University of Applied Engineering Sciences, Lithuania

10:30 The e-learning platform : presentation of teaching materials from our project that is available online for public use

11: 15 Coffee break

11:30 Feedback from our experience with the ERASMUS+ project : how did it fit into our curriculum? What were the constraints and obstacles to overcome? What did it bring to our teaching experience?

Sophie BUSI, English Teacher, Manager of International Relations, IUT Lyon 1, France

12:15-13:30 Lunch

13:30 PANEL DISCUSSION

15:00 Coffee break

15:30 16:00 Closure of the event