

INVITATION

TRIPLE WOOD Seminar for architects and planners

Department of Wood Science and Technology, UL, BF, Rožna dolina, Cesta VIII/34, Ljubljana, Slovenia

Tuesday 18.6.2019, 9.00 – 13.15 Basic seminar

»My first wooden building - Advantages of wood as a building material«

- Dr. Bruno Dujič** **Introduction**
The history of wooden construction
Multi-storey buildings
The use of wood in architecture in the EUSALP
European projects
- Dr. Bruno Dujič** **Wood as construction material: technologies**
Characteristics of wood
Wood products
Construction systems
Other systems and hybrid solutions
- Prof. dr. Miha Humar** **Humidity and durability**
Causes of decomposition, degradation and changes in the colour of wood
Constructive and architectural protection
Focusing on essential details / details in timber construction
Examples of construction
- Dr. Iztok Šušteršič** **The benefits of using wood in buildings**
Life cycle assessment
Fire resistance
Seismic behaviour
Advantages of wood on site: prefabrication
Vertical upgrade of existing buildings

Thursday 20.6.2019, 9.00 – 13.15 Advanced seminar

»Use of quality assurance procedures at the design stage and on the spot«

- Dr. Sabina Jordan** **Energy efficiency and comfort**
Energy Balance and Sustainable Evaluation
Specifications of the building envelope
The specifics of the installation of hardware systems
The quality of indoor air and thermal comfort
- Prof. Dr. Mirko Premrov, dr. Vesna Žegarac Leskovar** **Innovative hybrid wood-glass construction**
Architectural design of wooden-glass objects
Optimal glazing part from the point of view of energy efficiency
Horizontal load capacity of wooden-glass wall elements
- Dr. Iztok Šušteršič** **Quality assurance procedures at the design stage and on the spot**
Definition of target effectiveness
Verification at the design stage
On-the-spot verification
Tests on the spot
Certification standards
- Dr. Iztok Šušteršič** **Comparison between national regulations in the Alpine region**
Regulations for timber construction (Technical regulations)
Limitations on the height of wooden buildings, Energy efficiency, Durability, Fire resistance, Seismic behaviour, Acoustical performances, Airborne, Air quality indoors

In addition to achieving higher living comfort, the use of wood in wooden buildings and constructions is also increasingly important in terms of the contribution to mitigating climate change, as wood stores carbon dioxide during its use and does not burden the environment with its processing. Therefore, the use of wood in the construction of the last period is markedly increasing. Wood presents a special challenge for architects and designers from the point of view of architecture and its characteristics, and the rapid development of timber technology requires continuous refreshing of knowledge. The consequences of disregarding existing standards and incorrect decisions in designing, selecting materials or implementing details are very often only shown after the beginning of the use of buildings and facilities, which can cause unacceptable costs for users, investors, planners and operators. The purpose of the TRIPLE WOOD seminar for architects and designers is to highlight the latest scientific knowledge, technologies and standards in the field of wood in the construction of buildings, supported by practical examples and experiences. Speakers are renowned experts with many years of experience in practice.



TRIPLE WOOD

KULTURA TRAJNOSTNE
LESENE GRADNJE
V ALPSKI REGIJI

Projekt sofinancira Evropska unija - Alpski
regijski pripravljalni akcijski skladi - ARPAF.



The TRIPLE WOOD project is aimed at promoting the culture of wooden construction in the Alpine space between architects and designers, with the aim of encouraging even greater use of wood (local origin) for quality construction of buildings and facilities.



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ARHITEKTURO
IN PROSTOR
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