

THE INNORENEW COE
INTERNATIONAL CONFERENCE
2024



2024

11-12 September 2024 | Izola, Slovenia

IRIC 2024

AGENDA

WEDNESDAY 11
SEPTEMBER 2024



9:30 - 10:00

Coffee

9:30 - 10:00

Registration

10:00-10:05

Welcome

Dr. Andreja Kutnar, InnoRenew CoE Director

10:05-10:50

Keynote

Pablo van der Lugt (PhD, MSc Eng)

“The future is biobased – towards the next building revolution”

10:50-12:05

Sustainability and energy efficiency of buildings

Session chair: **Dr. Daša Majcen**

Innovative engineered wood products made from Thermo-hydro-mechanical densified wood with enhanced physical, mechanical and fire performance (WoDeFi)

Lei Han - InnoRenew CoE, Slovenia

Development of thermal insulation materials from available renewables for sustainable buildings

Ramūnas Tupčiauskas - Latvian State Institute of Wood Chemistry, Latvia

Fish-based bio-adhesives for healthier built environment

Mariem Zouari - InnoRenew CoE, Slovenia

DENDRO-SPEC project: Spectroscopic methods for rapid phenotyping of trees reflecting their ecological resilience

Edit Földvári-Nagy - InnoRenew CoE, Slovenia

Wood products manufacturing in Slovenia: overview of the data to support green transition of the forest based value-chain

Daša Majcen - InnoRenew CoE, Slovenia



12:05-13:30

Lunch with coffee

13:30-14:15

Design for human well-being

Session chair: Eva Prelovšek Niemelä

What if your workspace does not fit your tasks? The role of fitting and misfitting spaces on organizational culture strength and job satisfaction

Chiara Tagliaro - Politecnico di Milano, Italy

Construction and furnishing materials as factors in neighbor noise and dwelling satisfaction: Evidence from Slovenian survey data

Ana Slavec - InnoRenew CoE, Slovenia

The effects of human activity and behavior in the office. Assessing the environmental sustainability of office buildings through the Ecological Footprint approach

Chiara Tagliaro - Politecnico di Milano, Italy

14:15-15:15

Advanced manufacturing for the future of built environment

Session chair: Dr. Jakub Sandak

Thermal and acoustic properties of fibreboard insulation made with bark-based adhesive

Marica Mikuljan - InnoRenew Co, Slovenia

Timber elements – parameter monitoring during whole life cycle

Jan Vcelak - Czech Technical University in Prague - Centre for Energy Efficient Buildings, Czech Republic

Green tax policies – a tool for enhancing wood and other natural materials from renewable sources use for sustainable construction

Črtomir Tavzes - InnoRenew CoE, University of Primorska, Slovenia

Biobased flame-retardant coating for wooden facades

Laetitia Marrot - ZAG, Slovenia

15:15

Closing day 1

15:15-16:15

InnoRenew building tour (optional)



18:00

Conference dinner



9:30 - 10:00

Coffee

10:00-11:15

Buildings skin

Session chair: Dr. Anna Sandak

Unveiling the microbiome on building materials in coastal city of Izola

Ana Gubenšek - InnoRenew CoE, Slovenia

Growth and phenotypic plasticity in *Aureobasidium pullulans* on lignin derivatives

Faksawat Poohphajai - InnoRenew CoE, Slovenia

Investigation of fungal biofilms for building skin

Anja Černoša - InnoRenew CoE, Slovenia

Microbially induced mineralisation of wood for improved fire performance

Karen Butina Ogorelec - InnoRenew CoE, Slovenia

Melanin nanoparticles – a bioinspired solution for structural coloration in architecture

Martyna Wienke - Faculty of Forestry and Wood Technology, Poznan University of Life Sciences, Poland

11:15-12:45

Roundtable discussion - “New European Bauhaus Academy Hub in Ukraine and NEBA Alliance. What can the stakeholders contribute?”

12:45-12:50

Closing of the conference by Dr. Andreja Kutnar

12:50-13:30

Cold refreshment with coffee



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