

THE INNORENEW COE
INTERNATIONAL CONFERENCE
2026

5-6 November 2026 | Izola, Slovenia



IRIC

AGENDA

THURSDAY
5 NOVEMBER 2026

8:00 - 8:30 **Registration with coffee**

Welcome

8:30 - 8:35

Andreja Kutnar - InnoRenew CoE, UP IAM & UP FAMNIT, University of Primorska, Slovenia - Department Chair

Keynote

8:35 - 9:30

Gijs Bruggink

Wood & Wellbeing: the health benefits of timber architecture

Networking activity

9:30 - 10:10

Michael Burnard - InnoRenew CoE, UP IAM & UP FAMNIT, University of Primorska, Slovenia
Deputy Department Chair

10:10 - 10:30

Coffee break

Materials 1

Session chair: Edit Földvári-Nagy

10:30 - 10:42

Mild Stress, Stronger Materials: Preconditioning Engineered Living Materials for Climate Resilience

Valentina Hribljan - InnoRenew CoE, Andrej Marušič Institute, University of Primorska, Slovenia

10:42 - 10:54

Smashing Desks for Science. Impact Testing and Classification of Engineered Timber Protective Desks for Earthquake-Induced Building Collapse

Marco Fellin - National Research Council of Italy, Institute of BioEconomy (CNR IBE), Italy

10:54 - 11:06

Advanced Spatial Mapping of Wood Characteristics in Pinus sylvestris

Edit Földvári-Nagy - InnoRenew CoE, UP IAM, University of Primorska, Slovenia



Materials 1

Session chair: Edit Földvári-Nagy

- 11:06 - 11:18 **Effect of Starch Concentration on Aureobasidium pullulans Growth, Pigmentation, and Development on Different Wood Species Toward Engineered Living Materials**
Ihab Malat - InnoRenew CoE, Andrej Marušič Institute, University of Primorska, Slovenia
- 11:18 - 11:30 **Wood for Sustainable Satellite Structures in Low Earth Orbit**
Axel Solt-Rindler - Wood K plus, Austria
- 11:30 - 11:42 **From Climate Data to Material Climate Modelling: An Integrated Digital Construction Workflow**
Richard Acquah - InnoRenew CoE, UP IAM & UP FAMNIT, University of Primorska, Slovenia
- 11:45 - 12:45 **Lunch (with coffee)**
- 12:45 - 13:45 **Skills workshop: Writing Research Questions and Hypotheses**
Michael Burnard - InnoRenew CoE, UP IAM & UP FAMNIT, University of Primorska, Slovenia, Deputy Department Chair

Materials 2

Session chair: Amina Selmanović

- 13:45 - 13:57 **Thermal Behavior of Merbau Wood Extractives Throughout Enzymatic Functionalization**
Amina Selmanović - InnoRenew CoE, UP IAM & UP FAMNIT, University of Primorska, Slovenia
- 13:57 - 14:09 **Combined Densification and Moderate-Temperature Thermal Modification to enhance Fungal Decay Resistance of Poplar Wood**
Lei Han - InnoRenew CoE, UP IAM & UP FAMNIT, University of Primorska, Slovenia
- 14:09 - 14:21 **Heat transport in PCM-impregnated poplar: effects of thermal treatment, specimen orientation and silica nanoparticles**
Dimitrios Skondras - University of Silesia, Poland
- 14:21 - 14:33 **Thermal treatment effects on PCM-impregnated poplar and beech for building thermal energy storage**
Argyrios Anagnostopoulos - University of Silesia, Poland
- 14:35 - 15:00 **Coffee break**



Creativity & Society

Session chair: Špela Vrtovec

- 15:00 - 15:12 **Co-creating Energy Transition Pathways in Monument-Protected Urban Areas: Insights from a Citizen Science Project in Koper Old Town**
Ana Slavec - InnoRenew CoE, Andrej Marušič Institute, University of Primorska, Slovenia
- 15:12 - 15:24 **Learning from positive deviance: What private forest owners reveal about long-term decision making**
Anna Buxhofer - University of Graz, Austria
- 15:24 - 15:36 **Resilient Theatre: Participatory Construction in Lviv, Ukraine**
Špela Vrtovec - InnoRenew CoE, UP IAM & UP FAMNIT, University of Primorska, Slovenia
- 15:36 - 15:48 **Understanding Long-term Housing Decisions: Homeowners' Values and Climate Choices in Austria and Slovenia**
Romana Schweiger - University of Graz, Austria
- 15:50 - 15:55 **Closing day 1**
- 19:00 **Conference dinner**

AGENDA

FRIDAY
6 NOVEMBER 2026

8:00 - 8:30 **Registration with coffee**

8:30 - 8:35 **Introduction to the day**

Buildings

Session chair: Rok Prislan

- 08:35 - 08:47 **Demountable CLT–Concrete Composite Floor Systems**
Donya Bazyar Khoshroodi - InnoRenew CoE, UP IAM & UP FAMNIT, University of Primorska, Slovenia
- 08:47 - 08:59 **Framework For Converting Reclaimed Timber Beams Into Structural Timber Products**
Olga Srejić - InnoRenew CoE, UP IAM & UP FAMNIT, University of Primorska, Slovenia
- 08:59 - 09:11 **Can acoustic metamaterials embedded in CLT panels improve low-frequency sound absorption and acoustic comfort in timber buildings?**
Rok Prislan - InnoRenew CoE, UP IAM & UP FAMNIT, University of Primorska, Slovenia

Materials 3

Session chair: Laetitia Marrot

- 09:11 - 09:23 **Fire Performance of Scots Pine Wood Modified with a Bio-Based Fire Retardant**
Laetitia Marrot - ZAG, InnoRenew CoE, UP IAM & UP FAMNIT, University of Primorska, Slovenia
- 09:23 - 09:35 **From Forest to Building: Responsible Wood Sourcing and Supply Chain Traceability in Sustainable Construction**
Jure Rejec - Forest Stewardship Council, Germany
- 09:35 - 09:47 **From Nanoscale Structure to Long-Term Stability in Y6-Based Organic Solar Cells**
Devina Gupta - Central European Research Infrastructure Consortium, Italy
- 09:50 - 10:20 **Coffee break**

Health

Session chair: Julija Pavlin

- 10:20 - 10:32 **The impact of relaxing video games on stress**
Julija Pavlin - InnoRenew CoE, UP IAM & UP FAMNIT, University of Primorska, Slovenia
- 10:32 - 10:44 **Designing robust occupant wellbeing studies with simulation and piloting**
Michael Burnard - InnoRenew CoE, UP IAM & UP FAMNIT, University of Primorska, Slovenia
- 11:44 - 10:56 **Human–Wood Interaction in Tourism Environments: Multisensory Experience, Well-Being and Material Performance**
Veronika Kotradyová - Faculty of Architecture and Design, STU in Bratislava, Body conscious design laboratory, Slovakia



Materials 4

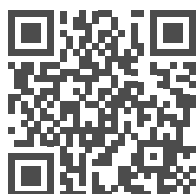
Session chair: Sumea Klokic

- 11:00 - 11:12 **Using UV and X-ray light to modify materials properties**
Benedetta Marmiroli - Institute of Inorganic Chemistry, Graz University of Technology, Austria
- 11:12 - 11:24 **From Structure to Function: Leveraging Synchrotron Science in Correlative Multi-Technique Studies of Responsive Materials**
Sumea Klokic - University of Primorska, Slovenia; Institute of Inorganic Chemistry, Graz University of Technology, Austria
- 11:24 - 11:36 **From Thin-Film Architecture to Function: Controlling Dynamics in Flexible MOFs for Environmental Sensing**
Eleonora Afanasenko - CERIC-ERIC, Italy
- 11:36 - 11:48 **Nanostructure-Dynamics seen by Coherent X-Ray Pulses**
Matthias Riepp - Institut Jean Lamour, Université de Lorraine, France ; Deutsches Elektronen-Synchrotron DESY, Germany; X-Spectrum GmbH, 22547 Hamburg, Germany
- 11:50 - 12:50 **Light lunch (with coffee)**
- 12:50 - 12:55 **Closing conference**
- 12:55 - 14:20 **Workshop - Unlocking the Potential of Lower-Quality Wood through Innovative Utilization Pathways**
Črtomir Tavzes - InnoRenew CoE, UP IAM & UP FAMNIT, University of Primorska, Slovenia
- 14:20 - 15:20 **InnoRenew building tour (optional)**

Contact:

T: +386 (0)40 282 944

E: conference@innorenew.eu



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MINISTRY OF HIGHER EDUCATION,
SCIENCE AND INNOVATION

<https://innorenew.eu/iric2026/>

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