

AGENDA

10. 6. 2021



8:30 | ZOOM OPEN

9:00 | OPENING

DR MICHAEL BURNARD, INNORENEW CoE
DEPUTY DIRECTOR

9:05-9:35 | KEYNOTE

LISANNE HAVINGA, ASSISTANT PROFESSOR, BUILDING
PERFORMANCE GROUP, EINDHOVEN UNIVERSITY OF
TECHNOLOGY

9:35-11:05 | ENGINEERING AND DESIGN

9:35 Boris Azinovič, Experimental investigations of
innovative seismic resistant CLT connections

9:50 Igor Gavrić, Hybrid timber-steel shear wall
system for multi-story modular construction

10:05 Urban Kavka, Collecting Wood Waste
Generated During Construction of InnoRenew
CoE Building in Izola

10:20 Uroš Gantar, Near zero waste energy
window – wooden window for reuse and
cascading use

10:35 Mika Keskiälo, Form factor for efficient low
carbon construction

10:50 Laetitia Marrot, Developing electrically
conductive materials through thermal
conversions of hemp stalk wastes

11:05-11:30 | COFFEE BREAK

11:30-12:30 | CULTURAL HERITAGE

11:30 Janez Kosel, Growth of xerophilic fungi on
model paint samples on glass and wooden
supports under low humidity conditions

11:45 Ana Slavec, Social mechanisms to engage
visitors in cultural heritage monuments
preservation

12:00 Tim Mavrič, Towards a common framework for
wood architectural heritage conservation in
Slovenia – a preparatory overview

12:15 Veronika Kotradyova, Evaluation of Residential
Buildings Adaptation their Interiors in a Rural
Environment with a Deeper Interdisciplinary
Analysis of 3 Localities in Slovakia

12:30-14:00 | LUNCH

14:00-15:15 | HEALTH AND WELL-BEING

14:00 Henrik Heräjärvi, Dependence of virgin
and recycled Scots pine heart- and sapwood
VOC emissions on indoor relative humidity
conditions

14:15 Mateja Erce, User needs and perspectives on
technologies or healthy ageing

14:30 Mark Dewsbury, Unhealthy advances in
Australian building regulations

14:45 Sabina Jordan, Temperature-based approach
for assessing buildings in terms of providing
thermal comfort for occupants

15:00 Nastja Podrekar Loredan,
Development of the School furniture suitability
questionnaire (SFS-Q)

15:15-15:30 | COFFEE BREAK

15:30-16:15 | MIXED TOPICS - FULL PRESENTATIONS

15:30 Lea Primožič, Three-pillar paradigm of
sustainability and its communication in the
wood industry – IKEA Group case study

15:45 Jan Vcelak, Prevention of mold formation
based on continuous condition monitoring of
timber constructions

16:00 Dennis Jones, The application of bicine or
tricine for limiting termite attack of thermally
modified wood

16:15 | CLOSING

AGENDA

11. 6. 2021



8:30 | ZOOM OPEN

9:00 | OPENING

DR MICHAEL BURNARD, INNORENEW CoE
DEPUTY DIRECTOR

9:05-10:20 | MIXED TOPICS - SHORT PRESENTATIONS

9:05 Filip Majstorović, Strengthening of flax textile-reinforced cement-based composite materials by the addition of pozzolans

9:10 Viktor Bukovszki, Smart contract affordances for energy communities

9:15 Petra Horvat, Relevant knowledge management approaches in the civil engineering research organizations and short overview of current situation in selected Slovenian public research organizations

9:20 Anja Jutraz, Renovation of outdoor school environment to ensure healthy environment for pupils

9:25 Lei Han, Creep Behaviour of Densified Wood

9:30 Tamás Storcz, ANN Supporting EDS Building Optimisation

9:35 Kaja Kastelic, Assessing spinal posture while back supported sitting: a review of techniques used

9:40 Sidra Aslam, Mutable and Privacy-aware Decentralized Ledger for Data Management in Wood Supply Chain Environments

9:45 Esakkiammal Sudha Esakkimuthu, Optimization of polyphenols extraction from spruce bark

9:50 Ozlem Ozcenc, Increasing The Weathering Durability of The Wood Surface with Tree Bark Extractive Solution

9:55 Kelly Peeters, Extraction of phenolic compounds to determine its concentration in olive mill waste water

10:00 Vesna Starman, Education for a Sustainable Future

10:05 Erwin M. Schau, Metrics for LCA and carbon footprint of bio-based materials and processes: New indicators and normalisation factors for EN15804

10:10 Luca Versino, Perspectives of wood-based products for acoustic purposes in building

10:15 Václav Sebera, Electric guitar neck from densified poplar? Experimental and numerical analysis

10:20-10:50 | COFFEE BREAK

10:50-12:05 | INFORMATION AND COMPUTING TECHNOLOGY

10:50 Richard Acquah, BIM Based Simulation Of Fire And Smoke Spread In Timber Buildings

11:05 Zsolt Ercsey, Sensitivity Analysis Supporting Building Optimisation

11:20 Kristóf Roland Horváth, Simulation Database Development Supporting Building Optimisation

11:35 Adam Katona, Evaluation and optimization of different wind tower geometries for passive air conduction systems with CFD simulations

11:50 Sebastjan Meža, Circular Economy And BIM In Civil Engineering

12:05 | CLOSING