

AGENDA

3. 9. 2020



9:00-9:05 | **WELCOME**

DR MICHAEL BURNARD, INNORENEW
CoE DEPUTY DIRECTOR

Nežka Sajinčič, Sustainability, health, and renewable materials – Trends in scientific publications

Olena Myronycheva, The Influence of Four Commercial Wood-surface Treatments on Mould-fungi Growth in a Pure Culture

9:05-9:35 | **KEYNOTE**

CARLO BATTISTI, PRESIDENT OF LIVING FUTURE EUROPE (LFE), SUSTAINABLE INNOVATION CONSULTANT AND PROJECT MANAGER - *HEALTHY, LIVING, TRANSPARENT. THE QUIET REVOLUTION OF MATERIALS*

René Herrera, Improving hydrophobicity and thermal stability of wood by esterification with fatty acids

Urška Smrke, Aspects of Residential Environment Included in Residential Satisfaction Questionnaires: A Systematic Review

9:35-10:35 | **FLASH TALKS**

Balázs Dávid, Using discrete optimization methods in decision support for structural design

Veerapandian Ponnuchamy, Molecular Dynamics Investigation of Capturing Paracrystalline Cellulose Phase from mixed Crystalline and Amorphous Cellulose under Constant Load

Dóra Zetz, Office Building Optimisation Using the Energia Design Synthesis Method

Zsolt Benkő, Practical education of Smart Home Systems emphasizing sustainability

Eva Prelovšek Niemelä, Developing temporary housing solutions for displaced persons – a study of user needs

10:35-11:00 | **COFFEE BREAK**

Faksawat Poohphajai, Evaluation of Biofinish for Wood Protection

11:00-12:30 | **HUMAN HEALTH IN THE BUILT ENVIRONMENT**

Hana Remešová, Testing the Thermal Properties of Loose-Fill Straw Insulation

Aarne Johannes Niemelä, Development of outdoor environment in schools with natural materials – a response of future users

Jaka Pečnik, Thermo-Hydro-Mechanical Treatment of Australian Sawlog and Pulplog Hardwood Resources

Anja Jutraz, Ensuring the health of users with the integrated approach to the renovation of school buildings

Marko Kovačević, VOC-emission optimized Cross Laminated Timber

Anna Sandak, Bioinspired building materials – lesson from nature

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Dean Lipovac, Psychophysiological and attention restoration in a wooden office: A pilot study

Nastja Podrekar, School Furniture as a Risk Factor for Musculoskeletal Pain among Slovenian Students

Veronika Kotradyová, Appreciation/acceptance of traditional and modern appearance of materials and products by users

12:30-14:00 | LUNCH

14:00-15:30 | COMPLEMENTARY TOPICS

Benedikt Neyses, Continuous densification of solid wood – the band press approach

Dennis Jones, A Review of Wood Modification globally – Findings from COST FP1407 and 2019 updates

Gregor Lavrič, Optical and abrasion properties of plasma treated and UV LED printed wood samples

Laetitia Marrot, Towards Smart Textiles for Civil Engineering Application

Marco Fellin, Cross Laminated Timber furniture providing shelter during earthquakes. Lifeshell public domain release

Michael Mrissa, Distributed Ledgers and Decentralized WoT Architectures

Stefania Fortino, Numerical simulation of moisture transport in thermally modified wood exposed to rain

15:30-15:55 | COFFEE BREAK

15:55-17:25 | SUSTAINABLE CONSTRUCTION WITH RENEWABLE MATERIALS

Erwin M. Schau, A European reference house for Life Cycle Assessment of wooden residential buildings

Giulia Pelliccia, HYGROSCOPIC COFFER. Digital parametrization and realization of timber bilayer composites for passive dehumidification in built environments

Kristóf Roland Horváth, Residential Building Optimisation Using Active Design Strategies

Tim Mavrič, Energy Efficient Retrofitting – A comparative analysis of implemented strategies in Bosnia-Herzegovina and Slovenia

17:25-17:30 | CLOSING