



Program of the 2nd International Seminar “Sustainable Construction” 25/05/2021

The 2nd Seminar is held in the frame of the project “Lightweight hybrid wooden composite materials for sustainable construction technology” (SUSTECH) within South-East Finland – Russia CBC 2014–2020 Programme. The project is funded by the European Union, the Russian Federation and the Republic of Finland.

10.00-10.10 **Welcome** and opening words from SPbPU, Director of the Institute of Civil Engineering, **Prof. Galina Kozinets** (Russia)

10.10-10.15 Welcome and opening words from LUT University, Head of Fiber Composite Laboratory, **Prof. Timo Kärki** (Finland)

10.15-10.20 Welcome and opening words from STC of Applied Nanotechnologies Inc., **Prof. Andrey Ponomarev** (Russia)

10.20-12.40 **Seminar session**, moderator **Yuliya Lednova**, PhD (Russia)

10.20-10.40 **Andrey Ponomarev**

“Modeling the use of fire extinguishing compositions modified with carbon nanoparticles and the results of testing these compositions in case of extinguishing local fires in the Vepsky forest natural park”

10.40-11.00 **Galina Kozinets, Dmitry Zotov, Petr Chernov, Natalia Muromtseva**

“Continued monitoring of timber structures”

11.00-11.20 **Vincenzo Bianco**

“LCA analysis of energy efficiency interventions”

11.20-11.40 **Yuliya Lednova, Konstantin Semenov, Vincenzo Bianco, Anatoly Lednov**

“Gate-to-gate LCA approach for optimization manufacturing technology of steel members and delivering to construction site”

11.40-12.00 **Daria Zhgut, Marko Hyvärinen and Timo Kärki**

“Influence of weathering conditions on the performance of ceramic and polymeric coatings on wood”

12.00-12.20 **Ville Lahtela, Marko Hyvärinen, Viktor Lagern and Timo Kärki**

“The effect of additives on color stability, melt properties and tensile properties of mixed waste plastics blends”

12.20-12.40 **Khalfi Ismail, CH. M. I. Bilel, Issa Togo**

“Analysis of insulators and selection criteria”

12.40-13.00 Discussion