Adoption of V4 buildings to nZEB standard using natural and bio-based materials

26.04.2022 (Tuesday), Budapest University of Technology and Economics, K. 1. 87.

09:00-09:10	Welcome (Salem Nehme, Head of Department of Construction Materials and Technologies & Balázs Nagy, Research Team Member of V4Buildings)
09:10-09:30	Piotr Kosiński (University of Warmia and Mazury in Olsztyn, Poland): Thermal properties of natural materials as loose-fill insulations
09:30-09:50	Lukáš Bosák (Slovak University of Technology in Bratislava, Slovakia) Development of a bio façade panel and its use for temporary constructions
09:50-10:10	Karel Struhala (Brno University of Technology, Czechia) Natural thermal insulations as replacement of EPS: Environmental benefits, availability and costs
10:10-10:30	Balázs Nagy (Budapest University of Technology and Economics, Hungary) Performance and technical value analysis of natural thermal insulations
10:30-11:00	Coffee Break
11:00-11:15	Dániel Csanády (Budapest University of Technology and Economics, Hungary) Fire resistant thermal insulation board made of wheat straw
11:15-11:30	Fanni Petresevics (Budapest University of Technology and Economics, Hungary) Ventilated façade cladding design according to the Hungarian nZEB regulation
11:30-11:45	Balázs Fürtön (Budapest University of Technology and Economics, Hungary) BIM-based hygrothermal performance evaluation of a nearly zero energy building
11:45-12:00	Dóra Szagri (Budapest University of Technology and Economics, Hungary) Energy performance monitoring and modelling of a refurbished double-skin flat roof with loose-filled recycled mineral wool
12:00-12:20	Zsuzsa Szalay (Budapest University of Technology and Economics, Hungary) Regulation of nearly zero energy buildings in Hungary
12:20-12:30	Closing
12:30-13:30	Lunch

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