

HYGROTHERMAL PERFORMANCE OF BUILDINGS AND THEIR MATERIALS

COST Action FP 1303 „Performance of biobased building materials”

DURAWOOD Project „Superior biofriendly systems for enhanced wood durability”

Poznan 30-31 Aug 2016

	no	Authors	Title
08:30:00		Welcome and Introduction	
		Session 1: "Moisture and Performance"	
08.45-9.00	6	Jacob Mensah-Attipoe, Tiina Reponen, Pertti Pasanen	Moisture accumulation in building materials and growth of fungi
09.00-9.15	4	Carola Hesse, Miha Humar, Christian Brischke, Linda Meyer-Veltrup	Comparative studies on the material resistance and moisture performance of four lesser utilized European grown wood species
09:15-09:30	27	Zuzana Vidholdová, Stanislav Jochim	Thermal Performance Wooden Windows Damaged by Decay – case study
09:30-09:45	10	Thomas K. Thiis , Ingunn Burud , Stergiani Charisi	Monitoring and simulation of diurnal surface conditions of a wooden façade
09:45-10:00	7	Petter Stefansson, Ingunn Burud, Lone Ross Gobakken, Thomas Thiis	Prediction of moisture content distribution on wooden surfaces through NIR hyperspectral imaging and PLS regression
10:00-10:45		COFFEE	
10:45-11:00	20	Davor Kržišnik, Boštjan Lesar, Nejc Thaler, Miha Huma	Blue staining and discoloration of wood - correlation between in-service and laboratory tests
11:00-11:15	21	Pia Larsson-Brelid, Stig Bardage	Aesthetic performance of commercial wood building materials for outdoors use in Sweden
11:15-11:30	31	Carmen-Mihaela Popescu, Maria-Cristina Popescu, Dennis Jones	Chemometrics for monitoring the strcuture of modified wood and the interaction with water molecules
11:30-11:45	26	Simon Curling, Graham Ormondroyd	Moisture sorption of wool insulation materials: Comparison of material and product testing approaches.
11:45-12:15		COFFEE	
		Session 2: "Performance of biobased materials"	
12.15-12.30	15	Izabela Burawska, Andrzej Tomusiak	New type of timber frame structure in relation to building physics
12.30-12.45	16	Łukasz Czajkowski, Wiesław Olek	Thermal conductivity of wood and wood-based panels - review of experimental methods
12.45-13.00	11	Emilia-Adela Salca, Tomasz Krystofiak, Barbara Lis	Adhesion strength and glossiness of coated surfaces made of alder wood as function of their surface roughness
13.00-13.15		Sotir Glushkov , Svetozar Madjov, Vasil Chakarov	Clay houses in Bulgaria - Past, Present and Future
13.15-13.30	12	Claude Feldman Pambou Nziengui, Rostand Moutou Pitti, Samuel Ikogou ,Serge Ekomy Ango	Experimental characterization of Gaboon specie under cyclic compressive loading at different internal moisture content
13.30-14.30		LUNCH	
14:30-14.45	2	Umit Buyuksari, Nusret As, Turker Dundar	Tensile and compression strength of micro-size Scots pine (<i>Pinus sylvestris L.</i>) wood and comparison with standard-size samples
14.45-15.00	22	E Mansour, G A Ormondroyd, S Curling	Effect of different natural insulation products' density in relation to thermal conductivity
15:00-15:15	5	Malte Janus, Simon Cragg, Christian Brischke, Linda Meyer-Veltrup,Jörg Wehsener	Laboratory screening of thermo-mechanically densified and thermally modified timbers for resistance to the marine borer <i>Limnoria quadripunctata</i>
15.15-15.30	3	P., Vignon, M., Hoballah, J., Moreau, C., Delisée , M. Irle	Optimization of the thermal properties of wood fibre-based insulating materials
15.30-15.45	19	René Herrera, Tomasz Krystofiak, Jalel Labidi	Performance during artificial aging of heat-treated wood protected with coatings of diverse formulation
15.45-16.00	30	Tomasz Krystofiak, Barbara Lis, Pavlo Bekhta, Stanisław Proszyk, Monika Muszyńska	MUPF adhesive for gluing alder veneer after TM densification
16.00-16.30		COFFEE	
16.30-17.30		Working group meetings	
20.00-23.30 (24.00)		Conference dinner	

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Session 3: Performance of treated materials		
08:45-09:00	29	Ján Iždinský, Matejov Maroš Effect different coating of paraffin emulsion on selected properties of OSB boards
09:00-09:15	28	Eduardo Robles, Ewelina Czubak, Grzegorz Kowaluk, Jalel Labidi Lignocellulosic multilayer self-bonded composites with modified cellulose nanoparticles for enhanced water performance
09:15-09:30	35	Anna Komasa, Piotr Barczyński, Patrycja Kwaśniewska-Sip, Grzegorz Cofta, Bartłomiej Mazela Synthesis, spectroscopic studies and antifungal activity of 1,10-di(3-hydroxymethylpyridinium)decane dibromide
09:30-09:45	34	Patrycja Kwaśniewska-Sip Fungistatic activity of purine and quinolizidine alkaloids and their derivatives used in DURAWOOD model systems
09:45-10:00	33	Waldemar Perdoch Fungal resistance of wood treated with DURAWOOD model systems
10:00-10:15	32	Wojciech Grześkowiak Flammability of wood treated with DURAWOOD model systems
10:15-10:45		COFFEE
10:45-11:00	14	Miha Humar, Boštjan Lesar, Nejc Thaler Performance of wax treated wood in laboratory and outdoor conditions
11:00-11:15	25	Anne Christine Steenkjær Hastrup, Jonas Stenbæk, Hiep Nguyen and Anders E. Daugaard Enzymatically modified alkyd for Bio-based Coating System
11:15-11:30	17	Silvia H. Fuentes da Silva, Patrícia S. Bilhalva dos Santos, Darci Alberto Gatto, Jalel Labidi Influence of reaction conditions of liquefaction in the viscosity of kraft lignin-based polyols
11:30-11:45	18	Patrícia Soares Bilhalva dos Santos, Silvia H. Fuentes da Silva, Darci Alberto Gatto, Jalel Labidi Solid residue characterization occurred from organosolv black liquor depolymerization
11:45-12:00	13	Merle Juliette, Moïsa Feilles, Melissa Durrieu, Fatima Charrier – El Bouhtoury Physicochemical properties of rigid foams based on tannins and lignins: preliminary results
12:00-12:15	23	Róbert Németh, Dimitrios Tsalagkas, Miklós Bak Changes in the modulus of elasticity of beeswax impregnated wood during soil contact
12:15-12:30	8	Matthew Schwarzkopf, Viacheslav Tverezovskiy, Andreas Treu, Courtney Williamson, Michael Burnard, Andreja Kutnar Chemically modified lampante oil as a wood preservation treatment
12:30-13:00		summary of Working Groups
13:00-13:10		Conclusion, Close
13:10-14:10		LUNCH
14:10- 17:00		Management Committee meeting

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