



ModWoodLife

COST Action FP1407 2nd Conference
 “Innovative production technologies and increased
 wood products recycling and reuse”

Brno, Czech Republic
 29 – 30th September 2016

CONFERENCE PROGRAM

Thursday, September 29th, 2016

09:00	Registration	
09:30 – 09:45	Welcome	
	Václav Sebera and Andreja Kutnar	
09:45 – 10:30	Keynote lecture	Chair: Andreja Kutnar
	Klaus Richter	Cascade use of wood - illusion or silver bullet for sustainability
10:30 – 11:15	Presentations	Chairs: Robert Németh and Eva Troppová
	Rozanska and Policinska-Serwa	Antique wooden floor reuse possibilities in view of their usage properties preservation
	Rademacher et al.	Native oak wood properties- limitations in wood utilization and possibilities of quality improvement
	Markström E., Bystedt A., Fredriksson M., Sandberg D.	Perceptions of Swedish architects and contractors for the use of bio-based building materials
11:15 – 11:45	Coffee break	
11:45 – 13:00	Presentations	Chairs: Christelle Ganne-Chedeville and Lars Tellnes
	Marra M. , Guercini S.	Life cycle assessment of wood wool cement board using recycled wood
	Paajanen O. , Turunen H., Peura J.	Preparing the life cycle assessment of wax modified wood products
	Sandak A. , Sandak J.	End-of-life transformation strategies for bio-based building materials
	Tellnes L.G.F.	Potentials and barriers to increased wood products recycling in Norway
	Dolezal F. , Boogman P.	Current state of the discussion between PEF and EPD as the preferable life cycle assessment scheme for wooden construction products
13:00 – 14:15	Lunch	
14:15 – 15:45	Presentations	Chair: Dennis Jones and Fanni Fodor
	Fodor F. et al.	Modification methods of hornbeam (Carpinus Betulus L.) wood in order to achieve high-quality products
	Paoloni F. , Ferrante T., Villani T.	Wood pre-treatments: a short review
	Ferreira J., Herrera R., Esteves B. , Domingos L.	Thermally modified pine boards - an environmental comparison of Portuguese and Spanish case studies
	Janiszewska D., Sandak A. , Sandak J., Fellin M.	Wood liquefaction – an alternative way for end of life transformation of wood waste
	Archila-Santos H.F., Ansell M.P., Walker P.	Elastic properties of thermo-hydro-mechanically modified bamboo (Guadua Angustifolia Kunth) measured in tension
	Rousek R. , Horáček P.	Influence of steaming at lower temperatures on permanent fixation of compressive deformation of

		densified wood
15:45 – 16:15	Coffee break	
16:15 – 17:30	Presentations	Chair: Franz Dolezal and Emilia Markström
	Straže A.	Hardness of thermally modified ash determined by static- and acousto-dynamic method
	Elaieb M.T. et al.	Study of thermal parameters from eucalyptus wood after heat treatment
	Dos Santos P.S.B., Da Silva S.H.F., Gatto D.A., Labidi J.	Colour changes of wood by two methods of aging
	Demirel G.K. et al.	Dimensional stability and mechanical properties of epoxidized vegetable oils as wood preservatives
	Németh R., Bak M.	Long-term in service evaluation of strip parquet with modified wood face layers
17:30	Closing of the first day	
18:30 – 19:30	Core group meeting	
20:00	Conference dinner	



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09:00 – 10:10	STSM Session	Chairs: Lauri Rautkari and Peter Rademacher
STSM Training	Tarmo Rätty	Introduction LCA to wood material practitioners - feedback from the FP1407 LCA Training school 2016
	Peñaloza D. and Kutnar A.	Life cycle assessment of wooden windows with wax-treated frames
	Neyses B. , Rautkari L., Yamamoto A., Sandberg D.	Reduction of the set-recovery of surface-densified Scots pine by pre-treatment with sodium silicate or sodium hydroxide
	Schwarzkopf M.J. et al.	Chemically modified lampante oil as a wood preservation treatment
	Griebeler C.G. de O. , Tondi G., Schnabel T., Iglesias C.	Effects of natural weathering on surface colour and cracking of thermally modified eucalyptus wood
	Bekhta P. , Krystofiak T., Lis B., Prosyk S.	Evaluation of surface quality and adherence of thermally compressed and finished wood veneers
	Kuzman M.K. and Sandberg D.	State of the art and future trends in timber-house technologies in Slovenia and Sweden
10:10 – 11:25	Poster Session	Chairs: Anna Sandak and Mike Burnard
	Žlahtič M. and Humar M.	Surface properties of thermally wood after artificial and natural weathering
	Akbas S. , Temiz A., Alma MH.	Wood plastic composites made of recycled and remediated creosote treated wood-aspects on screw withdrawal properties
	Aoues Y. et al.	Optimal and reliable design of timber beams for a maximum breaking load considering thermal and hydrological effects
	Silvia da Silva H.F. , Dos Santos P.S.B., Gatto D.A., Labidi J.	Liquefaction of kraft lignin using different solvents
	Gurau L. , Campean M., Ispas M.	The influence of the heat treatment duration on the surface roughness of beech processed by planing
	Hamada J. et al.	Effect of silver pin's forest management on radial density distribution, thermal behaviour and final quality of the heat treated wood
	Herrera R. , Gordobil O., Llano-Ponte R., Labidi J.	Esterified lignin as hydrophobic agent for use on wood products
	Odounga B., Moutou Pitti R. , Toussaint E., Grédiac M.	Mode I fracture of tropical species using the grid method in constant environments: experimental results
	Salan T. and Alma H.M.	A preliminary study on the delignification of wood blocks via microwave assisted atmospheric organosolv method the production of holocellulosic scaffolds
	Salca E.A. and Hiziroglu S.	Evaluation of hardness of heat treated yellow poplar wood
	Schnabel T. , Haas R., Huber H.,	Surface modification using infrared radiation

	Petutschnigg A.	
	Silveira E.A. et al.	Wood thermal degradation: Prediction of process parameters, solid mass yield, by two mathematical models
	Svrzić S. and Mandić M.	Abrasive water jet cutting (AJWC): Wood material - jet interaction
	Alma M.H. and Salan T.	Phenolation of wood and its applications for the production of engineered polymeric materials
	Turunen H. , Paaajanen O., Peura J.	Development of wood modification – high melting point wax and hot oil treatments
	Burawska I. and Zbiec M.	Enhancement of low grade timber with synthetic materials
11:30 – 11:55	Coffee break	
11:55 – 12:55	Presentations	Chairs: Ana Dias and Diego Peñaloza
	Beesley L. , Norton G., Mollon L.	Mobility and toxicity of heavy metal(loid)s from contaminated wood ash application to soils
	Fellin M. , Negri M., Felicetti M., Monsorno V.	Maintaining wood naturalness: production of biocompatible wooden floors and monitoring of heavy metals, VOC and radiation
	Robles E. , Herrera R., Gordobil O., Labidi J.	Bio-cascading of heat treated wood after service life to obtain lignocellulosic derivatives
	Escamilla E.Z. , Habert G., Wohlmuth E.	CO ₂ the untapped resource. Life cycle assessment of glue-laminated wood solutions for housing in the Philippines
12:55 – 13:55	Lunch	
13:55 – 14:55	Working group meeting	
	WG1: Product Category Rules	Dick Sandberg and Robert Németh
	WG2: Life Cycle Assessments	Christelle Ganne-Chedeville
	WG3: Environmental products declarations	Ana Dias
	WG4: Integration, dissemination and exploitation	Edo Kegel and Michael Burnard
14:55 – 15:20	Reports of WG leaders and conference conclusions	
15:20 – 15:50	Coffee break	
15:50 – 17:00	MC meeting	
18:00 – 22:00	Social program	