

IPPS 2015 / COST FP1303 Provisional Programme

Wednesday 7 th October 2015		
8.00-9.00	Registration & Coffee	
	Fundamental characterisation	
9.00-9.30	Key Note: Probing the structure of wood composites using X-ray micro-computed tomography	Philip D. Evans , <i>University of British Columbia, Canada</i>
9.30-9.50	Effects of refining parameters on fibre quality measured by Fibre Cube	Martin Ohlmeyer , <i>Thünen Institute of Wood Research, Germany</i>
9.50-10.10	Surface characterization of particleboard panels manufactured from eastern redcedar using multi-sensor approach	Jakub Sandak , <i>Trees & Timber Institute IVALSÀ/CNR, Italy</i>
10.20-11.00	Coffee	
	Resins and additives	
11.00-11.20	Green glue – biomass based formaldehyde-free bio-resin for wood panel process	Xiaobin Zhao , <i>Cambond Limited, UK</i>
11.20-11.40	Starboard: no-added formaldehyde MDF derived from starch	Luka A. Wright , <i>University of Leicester, UK</i>
11.40-12.00	Characteristics of urea-formaldehyde resin adhesives with low formaldehyde/urea mole ratio	Byung-Dae Park , <i>Kyungpook National University, Republic of Korea</i>
12.00-12.20	Performance of a new water-based fire retardant in wood-based panels	Anne Christine Steenkjaer Hastrup , <i>Danish Technological Institute, Denmark</i>
12.30-1.30	Lunch	
	Feedstocks, recycling and waste materials	
1.30-1.50	MDF Recovery	Craig Bartlett , <i>MDF Recovery, UK</i>
1.50-2.10	Extracting high-value products from waste MDF	Mark Irle , <i>Ecole Supérieure du Bois, France</i>
2.10-2.30	Partial liquefaction as a method for cleaning of recycled wood	Sergej Medved , <i>University of Ljubljana, Slovenia</i>
2.30-2.50	Impact of blue stain infected spruce wood on particle board properties	Martin Weigl , <i>Holzforschung Austria</i>
3.00-3.30	Coffee break	
3.30-3.50	Development of medium & low density fibreboards made of milled coconut husk & bound with formaldehyde free tannin-based adhesives	Sauro Bianchi , <i>Bern University of Applied Science, Biel, Switzerland</i>
3.50-4.10	Potential of granulated maize cobs as substitute for particleboard production	Martin Riegler , <i>Wood K plus, Austria</i>
4.10-4.20	Questions	
Evening	Poster session	

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Durability and performance		
9.00-9.30	Key Note: The environmental impact of wood compared to other building materials – the impact of European Standard EN15804	Callum Hill , Norwegian Forest & Landscape Institute, Norway
9.30-9.50	Reducing the thickness swelling of wood composites by creating an inter-connected adhesive network	Will He , University of British Columbia, Canada
9.50-10.10	Plywood from thermo-hydro treated birch veneer with improved durability and dimensional stability	Juris Grinins , Latvian State Institute of Wood Chemistry, Latvia
10.10-10.30	Biological performance of post-treated wood-based composites under protected above ground conditions	Cihat Tascioglu , Duzce University, Turkey
10.30-11.00	Coffee	
11.00-11.20	The sorption of VOCs by modified MDF panels and the effects on mould colonisation and growth	Bronia Stefanowski , BioComposites Centre, UK
11.20-11.40	Investigating plywood behaviour in outdoor conditions	Wanzhao Li , University of Gent, Belgium
11:40-12:00	Experimental characterization of the wood heterogeneities by the grid method: application to European species	Rostand Moutou Pitti , Institute Pascal, France
12:00-1:15	Lunch	
COST Action FP1303		
1.15-1.30	Overview: Performance of bio-based building materials – viewpoints from the first year of COST Action FP1303	Dennis Jones , COST FP1303 coordinator, SP Wood Technology, Sweden
1.30-1.50	From model rooms towards a modelled indoor environment	Daniel Stratev , Holzforschung Austria
1.50-2.10	Formaldehyde and VOC emissions in wooden model house	Sergej Medved , University of Ljubljana, Slovenia
2.10-2.30	Emissions testing of straw and non-wood fibre based panels	Mark Lawther , Danish Technological Institute, Denmark
2:30-2:50	Durability of Maderon [®] , a non-wood composite, against wood decay organisms	Teresa de Troya , Centro de Investigación Forestal, Spain
2.50-3.10	Coffee	
3.10-3.30	Wood plastic composites made with thermally modified birch wood residues	Edgars Kuka , Latvian State Institute of Wood Chemistry, Latvia
3.30-3.40	Process analysis using multivariate regression models exemplified by WPC processing with a single-screw extruder	Sarah Himmel , Wood K plus-, Austria
3:40-4:00	Closing remarks	Rob Elias , BioComposites Centre, UK Dennis Jones , COST FP1303, SP Wood Technology, Sweden

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