



## Advances in modified and functional bio-based surfaces

8-9 April 2015, Physics School of Aristotle University,  
Thessaloniki, Greece

### Agenda

Wednesday 8 April		
8.30 - 9.00	Registration	
9.00 - 9.15	Welcome by the Stefani and the host	
9:15 - 10:00	<i>Keynote presentations</i>	
	Mazela Bartłomiej	Eco-friendly wood coating and preservative systems
	Jones Dennis	Commercial biobased wood coatings - the current market position
10.00 - 10.15	Aytin Ayhan	Surface Adhesion and Scratch Resistance of Water Based Layers on Some Heat Treated Wood Species Against Accelerated QUV Aging
10.15 - 10.30	Karami Elham	Effects of thermal and surface coating treatments on the physical and vibrational properties of mulberry wood used in musical instruments
10.30 - 10.45	Kurowska Agnieszka	The effect of chemical and thermo-mechanical modification on selected parameters of the surface of oak ( <i>Quercus robur</i> L.) and black locust ( <i>Robinia pseudoacacia</i> L.) wood

10.45 - 11.00	Palanti Sabrina	Effectiveness of polyamidoamines (PAA) functionalized with siloxane fragments as wood preservatives
<b>11.00 - 11.30</b>	<b>Coffee Break</b>	
11.30- 11.45	Palija Tanja	Water-borne coatings: Reducing the impact of wood grain raising
11.45 - 12.00	Panayotov Panayot Angelov	Study on the thermal degradation of wood modified with fire-retardant chemical with cone calorimeter
12.00 - 12.15	Petrič Marko	Hydrophobisation of liquefied wood based coatings with nanosilica
12.15 - 12.30	Reinprecht Ladislav	Effect of plasma and fungicides on weathering properties of spruce wood treated with transparent acrylic and alkyd coatings
12.30 - 12.45	Tondi Gianluca	Modification of the wood surface with different tannin polymers
12.45 - 12.50	CzarniakPaweł	Impact of different wood based materials treatments on surface quality assessed by contact angle and NIR spectroscopy
12.50-12.55	Herrera Díaz René	Surface finishing of thermally modified wood and resistance of coatings
12.55 - 13.00	Hochmańska Patrycja	Application of silanes in waterborne wood coatings
13.00- 13.05	Julkunen-Tiitto Riitta	Plant polyphenols as wood protection: tests for UV stability
13.05 - 13.10	Kumar Anuj	Effect of Nanofibrillated Cellulose Loading on the Rheological Behavior of Liquefied Wood - Polyurethane Based Coatings
<b>13.10 - 14.30</b>	<b>Lunch Break</b>	
14.30 - 14.35	Miklečić Josip	Influence of coating systems on colour stability of artificially exposed heat-treated wood

14.35 - 14.40	Monteiro Sandra	Interaction between low density particles and wood
14.40 - 14.45	Popescu Carmen-Mihaela	Relation of moisture with wood structure through the near infrared spectroscopy and chemometric techniques
14.45 - 14.50	Rozanska Anna	Influence of Wooden Floor Surface Finish on its Colour and Gloss
14.50 - 14.55	Ruponen Jussi	Linear friction welding of birch ( <i>Betula pendula</i> , L.) wood
14.55 - 15.00	Salca Emilia-Adela	Overview upon discolorations caused by heat treatment applied to different assortments of black alder
15.00 - 15.05	Sivrikaya Huseyin	Accelerated weathering of wood treated with Tall oil combined with additives
15.05 - 15.10	Wålinder Magnus	Surface modification concepts for wood using UV laser ablation
15.10 - 15.15	Burawska Izabela	The influence of the artificial aging on the selected properties of wood-CFRP composite
15.15 - 15.30	Dimitriou Athanasios	Wood Plastic Composites: surface modification with heat to improve the adhesion ability
15.30 - 15.45	Fernández Costas M <sup>a</sup> Carmen	Extractives as a source of potential wood-protectors for a grafting application
15.45 - 16.00	Grüll Gerhard	Methods to reduce resin exudation from Larch wood
16.00 - 16.15	Henriques Ana	High pressure decorative laminate suitable for application as post forming laminate using polyurethane resins
<b>16.15 - 16.45</b>	<b>Coffee break</b>	
16.45 - 17.00	Haapala Antti	Seasonal mould growth probability in building envelope insulation
17.00 - 17.15	Popovic Mladjan	The Application of Iso-conversional Models on the Curing Kinetics of Urea-formaldehyde Adhesive in the Presence of Wood

17.15 - 17.20	Sandak Jakub	What new can the COST FP1006 Round Robin test provide to our knowledge on wood weathering?
17.20 - 17.35	Sandak Anna	Degradation kinetics of the short term weathered thin wood samples
17.35 - 17.40	Thiis Thomas	Simple surface climate models for modelling weathering effects on wooden surfaces
17.40 - 18.00	Živković Vjekoslav	Influence of visible light to wood surface degradation and wood surface photostabilization
18.00 - 18.05	Medved Sergej	Hydrophobisation of particleboard surface
18.05 - 18.10	Soares Bilhalva dos Santos Patrícia	Evaluation of surface roughness of Pinus ssp. wood with three types of finish and exposed to accelerated aging
18.10 - 18.15	Tolvaj Laszlo	Temperature dependence of the photodegradation of wood
18.15 - 18.20	Vahtikari Katja	The effect of coating on the moisture buffering properties of pine
<b>18.20</b>	<b>End of Day</b>	

<b>Thursday 9 April</b>	
9.00 - 10.00	Presentations of Highlights and Actions of the past 4 years (e.g.conferences & TS, STSM carried out by the COST ACTION)
<b>10.00 - 10.30</b>	<b>Coffee break</b>
10.30 - 11.30	Evaluation of the Action
11.30 - 12.30	Future plans and final MC Meeting
<b>12.30 - 14.00</b>	<b>Lunch- End of session</b>