



**COST Action FP 1006:** “Bringing new functions to wood through surface modification”

## WORKSHOP COST ACTION FP1006 – GHENT 17-19th of April 2013: *Process and Service life modelling*

Venue: Ghent University, Het Pand, Onderbergen 1, 9000 Ghent – Belgium

[From the entrance at Onderbergen 1, left, end of corridor, second floor, meeting room Zaal Rector Vermeylen]

WEDNESDAY APRIL 17th		
08.30-09.30	Registration	
09.30-10.50	Session 1: Ageing and surface quality <span style="float: right;">Chair: Stefanie Wieland</span>	
09.30-09.50	Artificial accelerated ageing of surface densified spruce and pine wood	M. Petrič
09.50-10.10	Surface quality of thermo-mechanically densified veneer	P. Bekhta
10.10-10.30	Study upon the particular behaviour of <i>Alnus glutinosa</i> during air-contact	E.A. Salca
10.30-10.50	Comparison of natural exterior and artificial Xenotest ageing of selected paints on spruce wood from the point of view of their colour changes	M. Pánek
10.50-11.00	Feedback Training school (J. Van den Bulcke)	
11.00-11.30	Coffee break	
11.30-12.30	Session 1: Ageing and surface quality (continued)	
11.30-11.50	Precision of natural weathering tests according to EN 927-3	M. Arnold
11.50-12.10	Development of a reference material for artificial and natural weathering of wood coatings	B. Forsthuber
12.10-12.30	Spectral and thermal study of the photodegraded impregnated <i>Tilia cordata</i> wood	C.M. Popescu
12.30-14.00	Lunch – Sandwiches	13.00-14.00 SC Meeting 1
14.00-15.40	Session 2: DO-IT Collaboration – Industry meets COST <span style="float: right;">Chair: Lieven De Boever</span>	
14.00-14.30	Surface modification and service life on the wood building level – interaction with DO-IT PROJECT	L. De Boever
14.30-14.50	Towards attestation of exterior joinery – Service life and maintenance	I. Wuijens
14.50-15.20	PIB-emulsions – Towards innovation in wood building ? (Emulco – BASF)	L. Taets - J. Van Trier
15.20-15.40	Modified wood – Innovation for exterior joinery ?	L. De Boever
15.40-16.00	Coffee break	

16.00-17.00	Session 3: DO-IT Collaboration – COST meets Industry		Chair: Lieven De Boever
16.00-16.20	Comparison of wood coating durability in natural weathering and artificial weathering	G. Gröll	
16.20-16.40	Evaluation of mould growth on coated wood using digital image analysis (ImageJ)	U. Hundhausen	
16.40-17.00	Multivariate analysis of the coated wood surfaces for service life prediction	J. Sandak	
17.00-17.10	Concluding remarks (L. De Boever)		
17.10-18.30	Informal drink with industrial partners – networking activity		
18.30-23.00	Cost Diner, industrial partners included.		
<b>THURSDAY APRIL 18th</b>			
09.30-10.20	Key Note – Andrew Norton		
10.20-11.00	Session 4: Color assessment		Chair: Joris Van Acker
10.20-10.40	Bleached furniture surfaces – color stability under natural and artificial radiation	C. Csiha	
10.40-11.00	Simulation of the discoloration of fir wood surfaces with UV-irradiations	T. Schnabel	
11.00-11.30	Coffee Break		
11.30-12.30	Session 5: Assessment of technical behaviour of modified wood		Chair: Joris Van Acker
11.30-11.50	Behaviour of acoustic velocity in pine oil and pressure impregnated and in untreated wooden posts	V. Möttönen	
11.50-12.10	Differences in moisture uptake rate applying a hot linseed oil (OHT) and a hot paraffin treatment to wood	M. Bak	
12.10-12.30	Self-healing laminates for surfacing wood-based panels	A.I. Antunes	
12.30-14.00	Lunch - Sandwiches		
14.00-14.40	Session 5: Assessment of technical behaviour of modified wood (continued)		
14.00-14.20	Influence of thermal treatment on the chemical composition and wettability of <i>Eucalyptus cloeziana</i> wood	R.A. Diaz	
14.20-14.40	Nanoparticles for UV protection of clear coatings – field and laboratory trials	S. Bardage	
14.40-15.00	Concluding remarks (Joris Van Acker)		
15.00-15.30	Coffee Break		
15.30-17.00	Joint WG Meetings		
17.30-18.30	SC Meeting 2		
<b>FRIDAY APRIL 19th</b>			
8.30-10.00	Separate WG meetings		
10.00-10.30	Joint WG meetings		
10.30-11.00	Coffee break		
11.00-12.30	MC meeting		