

Economic and Technical aspects on quality control for wood and wood products

Lisbon, 22nd and 23rd October 2009



22nd October

	8:30	Registration	
Session	9:00	Opening	Robert Kliger
Keynotes	9:10	Quality Control and productivity in Oak Timber, from forest to the final processing	João Carvalho
	9:35	Improvement potential of value yield in sawmilling through scanning of internal knot structure of round wood	A. Usenius
	10:00	Advances in scanning technology and process optimization in the wood industry in North America	Ryszard Szymani
	10:30	Coffee break	
1		Session 1: Technical aspects of strength grading Chairperson: Charlotte Bengtsson	COST E-53 WG3
1	11:00	Cost optimized Timber Machine Strength Grading	M. Sandomeer
1	11:20	Comparison of strength grading machine settings for different grade combinations for Polish-grown <i>Pinus silvestris</i> L. structural sawn timber	Slawomir Krzosek
1	11:40	Comparison of four basic approaches in machine strength grading	A. Ranta-Maunus
1	12:00	Optimising machine strength grading with three indicating properties	J.K. Denzler
1	12.20	Determination of Shear Strength of Timber Joists by torsion testing	A. Khokhar
	12:40	Lunch	
2		Session 2: Strength grading and wood properties Chairperson: Johan Oja	COST E-53 WG3
2	14:00	Grade yield in Norway spruce as affected by timber length	Audun Øvrum
2	14:20	Strength properties of small diameter Eucalyptus Round Wood Poles	Peter de Vries
2	14:40	Grading of sawn timber with dynamic methods - influence of defects	M. Johansson
2	15:00	Strength grading of hardwood with longitudinal ultrasonic waves and longitudinal vibration and locating defects in softwood and hardwood with low frequency ultrasonic echo technique	K. Frühwald
	15:20	Coffee break	

3		Session 3: Drying related topics Chairperson: Johannes Welling	COST E-53 WG2
3	15:50	Appearance and development of "sandwich effect" during drying of beech timber in the conventional kiln	B. Jevtic
3	16:10	The wood cup description	Richard Hrčka
3	16:30	Phytosanitary treatment during kiln drying - pre-conditions and advantages	J. Welling
3	16:50	Measurement of MC in timber for use in log buildings	K. M. Sandland
3	17:10	EMC and temperature relations by Robinia and Poplar	Robert Nemeth
Delegates	17:30	<i>Management Committee Meeting</i> <i>Working group meetings</i>	Management Committee members
	18:30		
	20:00	Conference dinner – Restaurant TRINDADE	

23rd October

4		Session 4: Economic aspects Chairperson: Arto Usenius	COST E-53 WG1, WG2, WG3
4	8:30	CAE analysis and optimization of energy consumption and costs of wood drying with use of different drying techniques	Ž. Gorišek
4	8:50	Improving Lumber Recovery of Low-Quality Hardwoods via Finger-jointing Technologies	Levente Denes
4	9:10	Impact of traceability on price of French Douglas FIR	JD Lanvin
4	9:30	Low cost scanner for determination of wooden board distortion. Part 2. Twist, crook, and bow	Rastislav Lagaňa
	9:50	Coffee break	
5		Session 5: Quality related topics Chairperson: Robert Kliger	COST E-53 WG1, WG2, WG3
5	10:20	Engineering of strength quality class at fibreboards manufacturing process	V. Savov
5	10:40	Algorithms to optimize limits for wood property categorization	A.J. Petutschnigg
5	11:00	Application of terrestrial LiDAR and a sawing simulator to predict sawn timber yield of plantations - a pilot study for <i>Pinus pinaster</i> in South Africa	H.-J. Klemmt
	11:20	End of conference	

23rd October

11h30 - 12h30	lunch
	Afternoon - Technical visit
12h30 - 14h00	bus trip, Lisbon - Setúbal
14h00 - 17h00	visit to wood houses in Troia
17h00 - 18h30	bus trip back to Lisbon