

COST Action E 53 “Quality Control for Wood and Wood Products” Conference 15 - 17 October 2007
Warsaw Agricultural University, Faculty of Wood Technology, Warsaw – Poland
Conference Programme

Monday 15 October	
11:00 - 13:00	Registration
13:00 - 13:10	Welcome and Opening
13:10 - 13:45	Rolf Birkeland (Norway) Development of scanning and grading for wood raw material and wood products
13:45 - 14:20	IKEA (Poland) / Total Quality Management in practice of IKEA as customer for wood products
14:20 - 14:50	Jan Bagiński, Łukasz Babuška, Marcin Klimczewski (Poland) / paper Development of quality management systems in Polish wood industry
14:50 - 15:10	Coffee
15:10 - 15:40	IKEA (Poland) / Quality management in industrial practice IKEA / Swedwood sawmill in Wielbark
15:40 - 16:10	Tim Reynolds (United Kingdom) / paper Aspect of timber quality in the UK
16:10 - 16:40	Stefan Tarasiuk, Grzegorz Jednoralski, Krzysztof Krajewski (Poland) / paper Quality assessment of old-growth Scots pine stands in Poland
16:40 - 17:00	Rastislav Lagaňa, Stanislav Kurjatko, Alena Rohanová, Ján Dubovský, Anna Šuriková (Slovakia) / paper Wood and wood products quality evaluation in Slovakia

After presentations dinner / After dinner separate WG meeting start about 18:15

Tuesday 16 October

Session One - Session Chair: **Charlotte Bengtsson**

8:30 – 8:50

Jean-Luc Sandoz, Yann Benoit (Switzerland) / paper

Timber grading machine using multivariate parameters based on ultrasonic and density measurements

8:50 – 9:10

Helene Unterwieser, Gerhard Schickhofer (Austria) / paper

Pre-grading of sawn timber in green condition

9:10 – 9:30

Audun Øvrum (Norway) / paper

Variation in yield of strength graded timber due to board origin

9:30 – 9:45

Jean Denis Lanvin, Didier Reuling (France) / paper

Evaluation of the French oak for a structural use

9:45 – 10:00

Harald Säll, Bo Källsner, Anders Olsson (Sweden) / paper

Bending strength and stiffness of aspen sawn timber

10:00 – 10:15

Markus K. Sandomeer, Jochen Köhler (Switzerland) / paper

Approach for an efficient control of grading machine settings

10:15 – 10:30

Coffee

Tuesday 16 October

Session Two - Session Chair: **Arto Usenius**

10:30 – 10:50

Johan Skog, Johan Oja (Sweden) / paper

Improved log sorting combining X-ray and 3D scanning - a preliminary study

10:50 – 11:10

Jens Flodin, Johan Oja, Anders Grönlund (Sweden) / paper

Fingerprint traceability of sawn products using x-ray log scanning and sawn timber surface scanning

11:10 – 11:30

Rafael Baumgartner, Franka Brüchert, Jörg Staudenmaier, Udo Hans Sauter (Germany) / paper

Bark Measurements with X-Ray Technology

11:30 – 11:45

Tim Reynolds (United Kingdom) / paper

Variables affecting the performance of British grown Sitka spruce

11:45 – 12:00

Anders Lycken, Jarl-Gunnar Salin (Sweden) / paper

Indisputable key - a research and demonstration project aiming at an improved quality through traceability systems

12:00 – 12:15

Pieter Rozema (The Netherlands)

Timber Grader MTG

12:15 – 13:30

Lunch

Tuesday 16 October

Session Three - Session Chair: **Johannes Welling**

13:30 – 13:50

Jarl-Gunnar Salin (Sweden) / paper

MC based or time based drying schedules? Calculation of the influence on the final MC variation

13:50 – 14:10

Jan Ekstedt, Aders Rosenkilde, Stéphanie Hameury, Magdalena Sterley, Henrik Bergling (Sweden) / paper

Measurement of moisture content profiles in coated and uncoated Scots Pine using Magnetic Resonance Imaging

14:10 – 14:30

A. Straže, R. Kliger, M. Johansson, Ž. Gorišek (Slovenia / Sweden) / paper

Development of twist on boards of Norway spruce during kiln drying

14:30 – 14:45

Björn Källander, Piere Landel (Sweden / France) / paper

Effects of heat treatment of small clearwood samples on equilibrium moisture content and deformation

14:45 – 15:00

Z. Gorišek, A. Straže (Slovenia) / paper

Influence of drying technique and process conditions on the drying quality of beech wood (*Fagus silvatica* L.)

15:00 – 15:15

Camelia Boieriu, Luminita Brenci (Romania) / paper

Dimensional and shape quality control. Modern equipment

15:15 – 15:30

Coffee

Tuesday 16 October

Session Four - Session Chair: **Robert Kliger**

15:30 – 15:50

Jochen Köhler, Markus K. Sandomeer (Switzerland) / paper

Modeling the properties of strength graded timber material

15:50 – 16:10

Martin Arnold, René Steiger (Switzerland) / paper

Relevance of wind-induced compression failures regarding bending strength and stiffness of Spruce structural timber

16:10 – 16:20

Michalis Skarvelis, Antonios Papadopoulos (Greece) / paper

Visual grading in flooring sector in Greece

16:20– 16:30

Hans Häuslmayer, Manfred Gronalt, Alfred Teischinger (Austria) / paper

Mass customized production and design processes for the parquet flooring industry

16:30– 16:40

Lászlo Szalai, János Boros, Ákos Bausz (Hungary) / paper

Online wood industries database

16:40– 16:50

Georg Jeitler, Gerhard Schickhofer (Austria) / paper

Tensile proof loadings to assure quality of finger-jointed structural timber

Tuesday 16 October

16:50 – 17:00

Witold Dzbeński, Tomasz Wiktorski (Poland) / paper

Ultrasonic prediction of mechanical properties of wood in standing trees

17:00 – 17:10

Karin Fackler, Barbara Hinterstoisser, Manfred Schwanninger, Cornelia Gradinger, Ewald Srebotnik, Kurt Messner (Austria) / paper

Assessment of early stage fungal decay of wood by FT-NIR spectroscopy

19:00

Conference dinner

Wednesday 17 October

8:00 – 8:45

MC Meeting

9:00 – 19:00

Excursion to new Swedwood Sawmill in Wielbark.

Sawmill was opened on March 2007.

Planned annual capacity of sawmill is 250 000 m³ per year

Start 9:00 from the hotel parking. Lunch in Wielbark before visiting sawmill.

Return late evening about 19:00.

Visiting laboratories located

at Faculty of Wood Technology and contact with research team.

Start 9:00 from the hotel parking.

Visiting laboratories to 13:00.

After visiting lunch in rectorat building of Warsaw University of Life Sciences.

Questions and answers – please reserve 3 min of your presentation time for Q&A