

## Provisional Programme – IPPS 2008

15.00 “Log and veneer quality of Finnish and Russian birch in plywood production.”

**Henrik Heräjärvi & Juha Arponen**, *Finnish Forest Research Institute*

### Poster Session

15.30 -17.30. Poster Session, with wine reception sponsored by Habasit

### Thursday 25 September

#### Resin Strength and Quality Control

09.00 “Quality control based on internal bond. – Designing the “Bond-o-Matic””

**Steve Young**, *TimberTest*.

09.30 “Monitoring bond strength development during phenol-formaldehyde adhesive cure.”

**Milan Sernek & Matej Jost**, *University of Ljubljana*

10.00 “Optimization of the Synthesis of Urea-Formaldehyde Resins by Response Surface Methodology.”

**J Ferra, J. Pereira, B. Pinto, F. Silva, J. Martins, A. Mendes, M.R. Costa, L. Carvalho and F.D. Magalhães**, *LEPAE, University of Porto*

10.30 Symposium Debate

11.00 – 11.30 Tea and Coffee

#### Resin Technology

11.30 “Advances in ultra low emitting UF resin solutions for particleboard MDF and hardwood plywood.”

**David Harmon**, *Hexion Chemicals*

12.00 “Formaldehyde-free wood adhesive system provides a cost-competitive, environmentally-friendly alternative to interior wood products market.”

**David Mullen**, *Hercules*

12.30 “Chemical changes in wood induced by thermo-mechanical (TMP) and chemo-thermo-mechanical (CTMP) pulping and their impact on board properties.”

**Edmone Roffael, Udo Hennecke, Thomas Schneider & Brigitte Dix**, *Georg-August-University of Göttingen*

13.00 – 14.00. Lunch

#### Monitoring and Testing

14.00 “Monitoring the quality and match to reference of aesthetic panels with a new camera-based true colour vision technology.”

**Robert Massen, Joerg Eberhardt & Stefan Asal**, *Baumer Inspection*

14.30 “Using the B-stage test to guide the production of impregnated low pressure laminate paper”

### Tuesday 23 September

14.30 – 15.00 Tour of TKK labs

19.00 – 20.00. Pre registration

### Wednesday 24 September

08.00 -09.00: Registration and Coffee

08.45. Welcome. **Rob Elias**, *BC*

09.00 Opportunities and Challenges for the Panels Industry in Finland

**Antro Säilä**, *Finnish Forest Industries Federation*

#### Setting the Scene – Our Industry

09.30 “Future of Boreal Fibre – Need vs Availability.”

**Miia Tähtinen**, *Poyry Finland*

10.00 “Life cycle impact assessment of wood-based panels: Particleboard, medium density fibreboard (MDF) and high density fibreboard (HDF)”

**S. Gonzáles-García, G.Fejjoo, P. Widsten, A. Kandelbauer E. Zikulnig-Rusch & M.T.Moreira**, *University of Santiago de Compostela*

10.30 “Protecting cargo container flooring against attack by wood destroying insects.”

**James Creffield, Jamie Hague & Damian Scown**, *CSIRO*

11.00 – 11.30. Tea and Coffee

#### Formaldehyde

11.30 “Free formaldehyde - where can I find it?”

**Mark Irle, Christophe Belloncle & Baha Guezguez**, *Ecole Supérieure du Bois*

12.00 “Real time determination of formaldehyde emission from particleboards using NIR-spectroscopy.”

**Björn Engström, Morgan Grothage Bo Johnsson, Eva Landen & Elin Svensson**, *Casco Adhesives AB*

12.30 “Study on the Formaldehyde Emission Stable State for Particleboard by the Flask Method.”

**Kinga Judith David, Octavia Zeleniuc, Valeriu Petrovic & Livia Sangeorzan**, *Transilvania University Brasov*

13.00 - 14.00. Lunch

#### Plywood Session

14.00 “New approaches to different plywood gluing methods.”

**Jouni Rainio**, *Hexion Chemicals*

14.30. “Factors influencing the properties of veneer-based products.”

**A. Rohumaa, M. Hughes & M. Ohlmeyer**, *TKK*

**David Rigg & Bodgan Siwanowicz**, *Consultant/Fantoni*

15.00 “Online measurement and latest technical solutions for high volume production of wood based panels.”

**Hauke Kleinschmidt**, *Electronic Wood Systems GmbH*

15.30-16.00. Tea and Coffee

16.00 “Evaluation of Parameters Influencing the VOC emissions from OSB.”

**Martin Ohlmeyer & Mathias Makowski**, *vTI, Institute of Wood Technology and Wood Biology, Hamburg*

16.30 “On-line, non-contact, dimensional measurement of wood based panels”

**Steffan Jerrelid**, *LIMAB*

19.00. Gala Dinner

### Friday 26 September

09.30 Coffee and Tea

#### Raw Materials / New Products

10.00 “Agricultural Residues with light parenchyma cells and expandable filler materials for the production of lightweight particleboards.”

**P. Meinschmidt, A. Schirp, B. Dix, V. Thole & N Brinker**, *Fraunhofer Institute for Wood Research - Wilhelm-Klauditz-Institute (WKI)*.

10.30 “How to Produce High Performance Straw MDF”

**Sören Halvarsson, Håkan Edlund & Magnus Norgren**, *Mid Sweden University*.

11.00 – 11.30 Tea and Coffee

11.30 “Multilateral application of knife ring flaker.”

**Robert Loth**, *Maier*

12.00 “Production of Dimensional Stable and Decay Resistant Wood Composites Based on Acetylation.”

**Roger Rowell**, *University of Wisconsin*.

12.00 “Microwave Manufacturing of Solid Wood Composites using *Paulownia fortunei* and *Paulownia elongata*”

**Peter Vinden, Grigory Torgovnikov, Alex Shaginov, Simon Przewloka, Jeff Hann, Philip Blackwell & Henry Senko**, *University of Melbourne*.

12.30. Closing remarks

12.30 – 13.00. Lunch

13.00 – 16.00. Tour of TKK

Disclaimer. NB. This is a provisional programme and liable to change without notice.

## Registration Fees

Early bird full delegate rate: £620 (available up till 30 June).  
Standard rate £775 (available up till 14 September)  
Late registration fee – please apply.

Fees include delegate bag, printed and bound conference proceedings, teas, coffee and lunches during the symposium plus Gala dinner for one.

To register on line please follow the links on our web site ([www.ipps.uk.com](http://www.ipps.uk.com))

Alternatively contact the conference organiser for a registration form. [ipps@bangor.ac.uk](mailto:ipps@bangor.ac.uk)

Sponsored by:



## Venue

TKK's Dipoli Conference Centre is one of Finland's premier venues for international conferences and events. It is in a prime location at Espoo, sharing in the diverse services on offer in the capital as well as the innovative atmosphere of the scientific community of Otaniemi. [www.dipoli.tkk.fi/english/](http://www.dipoli.tkk.fi/english/)

The Espoo website can help plan your trip and find hotel accommodation [www.espootravel.com/](http://www.espootravel.com/)



## Hotels

Please book your accommodation directly with the hotel of your choice.

The nearest hotel to the symposium venue is the Radisson SAS at Espoo, which offers rooms at €137/157 per delegate per night (e-mail [info@radissonsas.com](mailto:info@radissonsas.com))

For alternative hotels please see our website, or use the Espoo travel website.

# International Panel Products Symposium 2008

Dipoli Conference Centre  
Espoo, Finland

24<sup>th</sup> – 26<sup>th</sup> September 2008



“We look forward to welcoming you to Finland in September 2008. Please feel free to contact me or other BC staff members for help and advice”

Ceri Loxton on behalf of the BC organising committee Rob Elias, Graham Ormondroyd and Morwenna Spear.

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