

IPPS 2017:

PROVISIONAL PROGRAMME

Venue Cymru, The Promenade, Llandudno, LL30 1BB, U.K.



WEDNESDAY 4TH OCTOBER

8.30 REGISTRATION

9.00 WELCOME AND INTRODUCTION

Rob Elias, Director, The BioComposites Centre

9.10 VOCS AND EMISSIONS SCAVENGING

9.10 KEYNOTE: **Martin Ohlmeyer***

Evaluation of VOC from Building Products at European Level – Chances and Challenges for Wood and Wood-Based Panels

9.40 **Simon Corbey*** and **Ceri Loxton**

Reducing exposure to VOCs in the indoor environment, what are the drivers and what could this mean for the Wood Based Panel Industry?

10.10 **Sergej Medved***, **Alan Antonovic** and **Marius Barbu**

Bark as a formaldehyde scavenger

10.40 COFFEE BREAK

11.10 PLYWOOD AND LAMINATES

11.10 **Elfriede Hogger***, **Hendrikus van Herwijnen**, **Johann Moser**, **Wolfgang Kantner** and **Johannes Konnerth**

Analysis of the cold tack of urea formaldehyde as an important factor in the birch plywood production

11.40 **Matthew Schwarzkopf***, **Mike Burnard**, **Guillermo Martinez Pastur**, **Lucas Monelos** and **Andreja Kutnar**

A case for THM treatments of Southern Patagonian wood species *Nothofagus pumilio* and *N. antarctica*, in three layer laminates

12.10 **Dennis Jones*** and **Christian Brischke**

Developments within the COST Action FP1303 related to bio-based composite materials

12.40 LUNCH BREAK

1.30 RECYCLING

1.30 **Mark Irle***, **François Privat**, **Gerard Deroubaix** and **Christophe Belloncle**

Increasing the profitability of wood recycling by selective processing

2.00 **E. Roffael***, **C. Behn** and **T Schneider**

Recycled fibres from waste fibreboards as a partial substitute of virgin fibres in MDF

2.30 **Craig Bartlett***

Designing, building and running a MDF recycling process- an update on MDF Recovery Ltd

3.00 COFFEE BREAK & POSTER SESSION

3.35 BIORESINS

3.35 **A.M. Ferreira***, **J. Pereira**, **M. Almeida**, **J. Ferra**, **N. Paiva**, **J. Martins**, **L.H. Carvalho** and **F.D Magalhães**,

Effect of magnesium lignosulfonates on urea-formaldehyde resins

4.00 **Gavin Hatherell** and **Emmannouil (Manos) Karagiannidis***

Advancement in sustainable binder technology for composite wood panel applications

4.25 **Pia Solt***, **Peter Lingenfelter**, **Johannes Konnerth**, **Hendrikus WG van Herwijnen**

How does molecular weight of kraft lignin influence the bonding strength of lignin based phenol formaldehyde resins?

4.50 OPEN MEETING

4.50 **An open meeting and focus group for wood emissions and VOCs**

This area is of great interest in the wood based panels sector and other timber industries. A focus group to discuss potential development of a Europe-wide network, possibly under the COST framework.

7.30 CONFERENCE DINNER

St George's Hotel, The Promenade, Llandudno, LL30 2LG

THURSDAY 5TH OCTOBER

9.00 INNOVATIONS IN BOARDS

9.00 **Frauke Bunzel***

Wood Foam – a new wood product

9.30 **Sergej Medved** and **Mark Irle**

Moisture migration in bio-based insulation materials

10.00 **Barend Lotter** and **Philip Evans***

Sprayable hot melt hydrophobes as treatments to enhance the moisture-resistance of oriented strand board

10.30 COFFEE BREAK

11.00 RESINS

11.00 **Kathrin Jesse* and Frauke Bunzel**

Alternative formaldehyde-free urea resins for wood-based materials and décor papers

11.25 **P. Pereira*, J. Pereira, N.T. Paiva, J.M. Ferra, J. Martins, L. Carvalho and F.D. Magalhães**

Development of UF resins with high storage stability by addition of reaction blockers

11.50 **Ana Antunes, Nádia Paiva, João Ferra, Pedro Pereira, Ana Ferreira, Fernão Magalhães, Ana Gomes, Joao Pereira, Christina Coelho, Jorge Martins and Luísa Carvalho***

2GAR Project – Development of second generation amino resins

12.15 Closing remarks

Dr Rob Elias, Director, The BioComposites Centre

12.30 LUNCH AND CONFERENCE CLOSE

CONFERENCE REGISTRATION

Please contact the Conference Organiser for a registration pack, or download the registration form from our website www.ipps.uk.com

Also, do contact the Conference Organiser (ipps@bangor.ac.uk) if you are interested in a trade stand or display at the event. The IPPS editorial team are still accepting abstracts for poster presentations.

The Conference venue is situated on the Promenade of the beautiful seaside town of Llandudno. Llandudno is well situated for road and rail links from major cities in the UK, and the nearby airports at Manchester and Liverpool.

Llandudno boast a wide range of hotels and guest houses, and delegates will easily find something to suit their tastes. The conference has arranged a number of rooms for delegates with the St George Hotel, in Llandudno. The Welsh Tourist Information website www.visitwales.co.uk will be a useful source of travel and accommodation information.

CONTACT US

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POSTERS

Ali Shalbafan, Saber Jafarnezhad and Jan Luedtke

Development of lightweight hybrid wood-based panels using in-situ foaming of polystyrene granules

Bianca-Ioana Dogaru, Carmen-Mihaela Popescu and Dennis Jones

Bio-based fiberboards: structure and properties

Ali Shalbafan, Kamran Choupani Chaydarreh and Johannes Welling

Effect of blowing agent on physical and mechanical properties of foam core particleboards

Edgars Kuka, Dace Cirule, Janis Kajaks, Ingeborga Andersone and Bruno Andersons

Changes in Mechanical Properties for re-dried WPC with Thermally Modified Wood Particles after Water Absorption Test

Heillo Kallakas, M. Martin, Triinu Poltimäe, A. Krumme, and Jan Kers

Wood plastic composites made with birch false heartwood residues

Graham Ormondroyd, Bronia Stefanowski, Elie Mansour, Morwenna Spear and Simon Curling

An Industry Prioritised Survey of Thermal, Mechanical, Hydro and Decay Properties of Natural Fibre Insulation Materials

Wojciech Ł. Grzeškowiak, Damian Łukawski, Dorota Dukarska, Bartłomiej Mazela and Alina Dudkowiak

Selected properties of a new particleboard modified with carbon nanotubes

William Turner, Paul Robson, Maurice Bosch and Morwenna Spear

A study of miscanthus straw for composites: microscopy and fibre analysis

Athanasios Dimitriou, Peter Ellis, Morwenna Spear, Simon Curling, Richard Jones and Graham Ormondroyd

Adding value to UK grown timber by CLT production: a KTP project

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