

IPPS 2013

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



WEDNESDAY 9TH OCTOBER

8.30 REGISTRATION

9.20 WELCOME AND INTRODUCTION

Rob Elias, Director, The BioComposites Centre

Setting the scene

9.45 THE BUILT ENVIRONMENT

9.45 **Volker Brombacher***, **Franco Michel**, **Thomas Volkmer** and **Peter Niemz**, ETH Zürich and Pavatex Fribourg, Switzerland

The investigation of thermal conductivity and moisture behaviour of fibreboard and material combinations

10.15 **Eva Höllbacher***, **Cornelia Rieder-Gradinger** **Daniel Stratev** and **Ewald Strebotnik**, Wood K plus, Vienna University of Technology, Austria

Measuring VOC emissions from wood-based building products under real room conditions in an idealized model room

10.45 **Sergej Medved***, **Boštjan Lesar** and **Miha Humar**, University of Ljubljana, Slovenia

Thermal characteristics of panels from cellulose fibres

11.15 COFFEE BREAK

11.45 FORMALDEHYDE TESTING

11.45 **Martin Ohlmeyer***, **Johannes Kickhöfen**, **Jörg Hasener** and **Vera Steckel**, Thünen Institute of Wood Research, Hamburg, Germany

Testing parameters affecting the gas analysis value of particleboard

12.15 **C. Lenth**, **A. Schumann**, **J. Hasener**, **V. Steckel***, **S. Himmel** and **C. Mai**, Laser-Laboratorium Göttingen, Germany

Developing a new method of measuring formaldehyde emissions from wood-based panels

12.45 LUNCH BREAK

2.15 ENHANCING PERFORMANCE BY ADDITIVES AND PROCESSING

2.15 KEYNOTE **Roger M. Rowell***, **John Alexander and Michael Maes**, University of Wisconsin, USA

Hierarchical shift for wood panels from biocomposite to biomaterial

2.45 **Mark Irlle*** and **Christophe Belloncle**, Ecole Supérieure du Bois, Nantes, France

A study of the mobility of formaldehyde during hot-pressing of particleboard mattresses

3.15 **J.Würtz, K. Godber***, **R. Mattes and P. Würtz**, Würtz Industriegebiet Sponsheim In der Weide, Germany

Reducing formaldehyde-emissions: A new approach by using additives as an alternative to employing non-formaldehyde-based binders such as (p) MDI

3.45 COFFEE BREAK

4.15 **N. Costa, J. Ferra P. Cruz, J. Martins***, **F. Magalhães, A. Mendes and L. Carvalho**, Universidade do Porto, Portugal and EuroResinas – Indústrias Químicas, Portugal

Formaldehyde emission in wood-based panels: effect of curing reactions

4.45 **Murat Onat, Lars Kloeser and Carsten Mai***, Georg-August-University of Göttingen, Germany and Bartin University Faculty of Forestry, Turkey

The use of silane oligomers to improve the outdoor performance of particleboards

5.15 **Seyed Mohsen Hosseini***, **Moslem Fadaei and Ehsan Kabiri**, Tarbiat Modares University, Iran and Choube Shomal Company, Iran

Effect of fire retardant treatment with TSP on mechanical properties of PB

7.30 CONFERENCE DINNER

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

THURSDAY 10TH OCTOBER

9.00 NOVEL MATERIALS AND PANELS IN CONSTRUCTION

9.00 KEYNOTE **Prof Pete Walker**, Bath University, UK

Prefabricated biocomposite panels: delivering lower carbon construction and healthier buildings

9.30 RAW MATERIALS

9.30 **Gary Newman, Elspeth Macdonald, David Robson, Graham Hilton* and Star Molteno**

Resource Efficiency Services, Mona, UK

Increasing the use of English grown wood – a policy perspective

10.00 **Ali Akrami*, Arno Frühwald and Marius Barbu**, University of Hamburg, Germany

European hardwoods for reducing the dependence on pine for oriented strand boards

10.30 COFFEE BREAK

11.00 LIFE CYCLE ASSESSMENT AND CERTIFICATION

11.00 **Callum Hill* and Andrew Norton**, Renewables, Menai Bridge, UK

Getting the best out of timber – Timber products, industrial ecology and carbon sequestration

11.30 **David Robson, Piers Sadler* and Gary Newman**, Resource Efficiency Services, Mona, UK

Carbon sequestered in UK forest products and wood-based panels in construction: helping to meet the UK's greenhouse gas emission reduction targets

12.00 **Desmond Dolan* and Annette Harte**, Civil Engineering, College of Engineering & Informatics & Ryan Institute, NUI Galway, Ireland

A gate to gate life cycle inventory of OSB produced from Irish forests

12.30 **N. Paiva, J. Pereira, J. Ferra, J. Martins, L. Carvalho* and F. Magalhães**, University of Porto, Portugal and EuroResins – Industrias Químicas, Portugal

Development of a LEED certified phenol-formaldehyde resin

1.00 LUNCH BREAK

2.00 RECYCLING

2.00 **Sarah Himmel***, **Carsten Mai**, **Mark Irle**, **Guillaume Legrand** and **Rosa Perez**, Georg-August-Universität Göttingen, Germany

Influence of the presence of recovered wood on the formaldehyde release of particleboards

2.30 **Michele Libralato**, IMALPAL Group, Italy

Cleaning Tower – A new concept for complete wood chip cleaning

3.00 **Robert Massen and Thomas Franz***, Baumer Inspection GmbH, Germany

“Flashing Sky Technology” for low-cost and high-volume optical sortation of waste wood debris and panels

3.30 **Elena Tikhonova***, **Mark Irle** and **Micahel Lecourt**, FCBA, France

An opportunity for hardboard recycling

4.00 Closing remarks

Dr Rob Elias, Director, The BioComposites Centre

4.15 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

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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