

IPPS 2023:

PROVISIONAL PROGRAMME



The Imperial Hotel, The Promenade, Llandudno, LL30 1AP, U.K.

TUESDAY 3RD OCTOBER

8.30 REGISTRATION

9.00 WELCOME AND INTRODUCTION

Rob Elias, Director, The BioComposites Centre, U.K.

9.15 NET ZERO AND CIRCULAR ECONOMY

9.15 KEYNOTE: **Alastair Kerr**, Wood Panels Industry Federation, U.K.

Decarbonisation of the UK wood panel manufacturing sector – The opportunities and challenges of net zero

9.45 **Mark Irlle**, Ecole Supérieur du Bois, France

Initial results from the European project EcoReFibre on the presence of waste fibreboard in recovered wood

10.05 **Craig Bartlett**, MDF Recovery Ltd, U.K. and **Luca Ballarin**, PAL, Italy.

MDF Recycling – The commercial reality

10.25 **Bartłomiej Mazela**, Poznan University of Life Sciences, Poland

Molded pulp packaging made of recycled lignocellulose fibres

10.45 **Morwenna Spear**, The BioComposites Centre, U.K.

The benefits of circular economy approaches in the wood panels industry on harvested wood product carbon storage

11.00 COFFEE BREAK

11.40 SESSION 2: RESINS

11.40 **Graham Ormondroyd**, The BioComposites Centre, U.K.

Advances in resins for wood composites

12.00 **Rob van Hooghten**, Emulco, Belgium, and Sestec, Poland.

Combining biobased resins with biobased wax emulsions to produce zero emission panels

12.20 **Salise Oktay**, Kastamonu, Turkey

Preparation of formaldehyde free wood adhesive for wood based panel productions

12.30 LUNCH BREAK

1.30 RESINS (CONT'D)

1.40 **Alexander Scharf**, Luleå University, Sweden

Particleboards manufactured using imidazole as an adhesive system

2.00 **Aylin Yıldırım Özel**, Sabancı University, Turkey

Cure Kinetics Studies of Urea-Based Model Compounds to Determine Reaction Mechanism of Urea Formaldehyde Resins

2.20 **Carlo Kupfernagel**, The BioComposites Centre, U.K.

The curing reaction of phenol urea formaldehyde resin in the presence of different wood species

2.40 **Ebru Sarıoğlu**, Koc University, Turkey

Investigation of Cross-linking of Esterified Wood Fibers for Wood-Based Composites Production

3.00 COFFEE BREAK & POSTER SESSION

3.40 EMERGING PRODUCTS AND INNOVATION

3.40 **Duncan Mayes**, Lignor

Next generation mass timber from fast rotation pulp logs utilizing Lignor CLST® strand technology

4.00 **Patrycja Hochmańska-Kaniewska**, Łukasiewicz - Poznański Instytut Technologiczny, Poland

Lignocellulosic biomass as a renewable platform to produce adhesives and composite materials

4.20 **Dennis Jones**, Luleå University of Technology, Sweden

Recent studies into improving the fire retardancy of particleboards at Luleå University of Technology

4.40 **Bartłomiej Mazela**, Poznan University of Life Sciences, Poland

Two-layer wood-based composite with fire-resistant cellulose-carbon core

5.00 **Philip Evans**, University of British Columbia, Canada

Visualizing the microstructure of a commercial wood plastic composite

5.20 FREE TIME

7.30 CONFERENCE DINNER

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WEDNESDAY 4TH OCTOBER

9.00 PANELS - PROCESSING, MODELLING AND PROPERTIES

9.00 **Paul Röllig**, IHD Dresden, Germany

High frequency pressed lightweight particleboards from different dense wood species

9.20 **Nidal Del Valle Raydan**, CNRS, France

Preparation and Characterization of Particleboards Made from Wood and Duck Feather waste

9.40 **Nicole Zechner**, TU Wien, Austria

Modelling the thermal processes in a short cycle press to improve product quality

10.00 **Fabian Meinker**, Hywax, Germany

Hydrophobic agents in the wood-based panel industry: Wax dispersions as hydrophobic agents

10.20 **Edze Tijmsa**, Accsys Technologies, Netherlands

MDF Panels from Acetylated Wood Chips – Impact of Acetyl Level on MDF Performance Properties

10.40 COFFEE BREAK

11.10 VOC MANAGEMENT AND MEASUREMENT

11.10 **Sofia Gonçalves**, University of Porto, Portugal

VOC emissions from fast-curing particleboards made with lignosulphonate and pMDI binders

11.30 **Margarida L. Almeida**, Polytechnic Institute of Viseu, Portugal

Formaldehyde emissions from wood-based panels Produced with Pinus Pinaster and Different UF Resins

11.50 **Rui Miguel Ramos**, University of Porto, Portugal

Screening of volatile carbonyl compounds in wood-based panels using a new GDME-HPLC-DAD-MS/MS methodology

12.10 **Sergej Medved**, University of Ljubljana, Slovenia

Plasma treatment as approach to lower formaldehyde emission from MDF and particleboard

12.30 Closing remarks

Dr Rob Elias, Director, The BioComposites Centre, U.K.

12.35 LUNCH AND CONFERENCE CLOSE

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CONTACT US

The Conference Organiser, The BioComposites Centre, Bangor University, Deiniol Road, Bangor, Gwynedd, LL57 2UW, United Kingdom
email: ipps@bangor.ac.uk