IPPS Master Class

Provisional Programme

28th-29th of September 2010. Bangor, North Wales, UK

In celebration of its 21st anniversary the BioComposites Centre is organising the IPPS Master Class

Aim of event

The IPPS Master Class will provide a forum in which new ideas, up-to-date information and practical advice is exchanged between supervisors, line managers, technologists and researchers with the aim of reducing production costs and improving quality.

A series of seminars covering key topics will set out the fundamentals and will suggest new approaches for implementation within mills. The proposed format will stimulate new ideas and motivate changes in production processes. The number of delegates will be limited to around 40 so as to provide a convivial atmosphere that will encourage interchange between delegates.

The BioComposites Centre has brought together leading EU experts for the Master Class who will cover a range of topics from raw materials, pressing processes, environmental issues and market development.

The aim of the Master Class is to provide delegates with:

- The possibility to exchange with their colleagues and contacts
- An update on their skills and expertise
- An opportunity to learn about the state of art technology
- Some new ideas to implement in the mill
- A heads up on future issues that will impact on the industry

The IPPS Master Class will be held at Bangor University's Management Development Centre. The Delegate Rate for this unique event is only £120 (+ VAT) per person.

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Tuesday 28th September

14:00 Welcome and Introduction - Rob Elias, Director, BioComposites Centre , UK

An overview of the Master Class aims and State of Art for Industry

14:10-15:10 Recycling Technologies - Mark Irle, Research Director, Ecole Supérieure du Bois, Nantes, France

A review of sorting techniques, contamination issues, best practice and state of the art.

15:10-17:10 Press Technologies - Heiko Thoemen, Professor for Wood-Based Composites, BFH, Biel, Switzerland

Hot pressing of the wood-furnish mat plays a crucial role in the production of wood-based composites. The press is the most costly piece of equipment to acquire and operate; thus, it usually determines the maximum capacity of the production line. Moreover, the in-use properties of final products depend heavily on the conditions under which mats are pressed. A fundamental understanding of the pressing process is therefore essential for optimizing production speed, costs, energy consumption, and emissions, as well as for manipulating board

properties and developing new technologies and products. The seminar on press technologies will start with an overview of the basic physical mechanisms relevant during hot pressing. In the second part of the seminar the course participants will work individually with the simulation software "Virtual Hot Press" to investigate the effects of the initial mat conditions (e.g., moisture distribution) and pressing program on the outcome of the pressing process (e.g., density profile, core layer temperature).

19:00 Dinner and networking event

Join guests of the Centre to help celebrate the 21 years of research and development at Bangor.

Wednesday 29th September

09:00-10:00 Resin Developments - José Gomez Bueso, Chief Scientist, Dynea Research Group, Lillestrøm, Norway

A review of the factors that affect resin performance in wood based panel production. Influences of line conditions and raw materials will be assessed along with resin specifications. A summary of recent resin research and development will highlight future thoughts for the industry.

10:00 – 11:00 Formaldehyde Issues - Martin Ohlmeyer, Johann Heinrich von Thünen-Institut (vTI), Hamburg, Germany

An update on the issues of formaldehyde emissions for manufacturing and indoor air quality will be provided. The overview will include types of tests, the challenges in trends within the built environment and future trends in EU legislation.

11:00 11:30 Coffee Break

11:30 to 12:30 Markets for panel products – George Goroyias, Senior Management Consultant, Pöyry UK

Approaches such as supply chain management, adding value and product development will be highlighted in this session using the tools developed by Pöyry. The session will focus on techniques to help clients take a critical view of their business activities and seeking improvements in profitability and efficiencies.

12:30 Closing remarks

There will also be an optional tour of MDF facilities with demonstration of MDF production (subject to demand) before or after the Master Class.

Contact details

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