Control Systems 2024

Conference 9 April | Exhibition 10–11 April | Excursion 11–12 April

Welcome to experience the XXII Control Systems Conference

Co-organized with Pulp & Beyond in Helsinki, Finland, April 9 - 12, 2024

INTERNATIONAL CONTROL SYSTEMS CONFERENCE, April 9th 2024

11:15 Pulp mill modelling and control

Wesley Gilbert, Manager, Process Control Group, FPInnovations

Empowering pulp mill decision-making through Mill-Wide Optimization	Matias Hultgren, Valmet
Optimization of Continuous Digester Operations in Kraft Pulp Mills	Abhay Anand, ABB
Modeling A Continuous Digester Extraction Zone	Wesley Gibert, FPInnovations
Modeling of Real Oxygen Delignification Processes	Jari Käyhkö, XAMK University of Applied Sciences

14:30 Advances in quality control systems

Michael O'Hora, ABB

A New CD Control Mapping Tool	Calvin Fu, TAPPI
The New Volume of TAPPI Paper Machine QCS Handbook focuses on Controls and Applications	Seyhan Nuyan, TAPPI
High-speed, Continuous, and High-Performance Scanning-Infrared measurements of Process Moisture and Temperature for In-Line control of Paper Manufacturing Processes	Michael O'Hora, ABB

16:00 Millwide applications for the future

Nina Flink, UX Manager, Valmet

The twelve deadly sins in the utilization of process data	Teemu Möykkylä, Trimble Forestry Europe
Experience in Transitioning from Traditional to More Effective Human Machine Interface Concepts at Pulp and Paper Mills	Nina Flink, Valmet
The Role of Computer Vision Analysis in Improving Biosludge Quality and Effluent Treatment Performance in Pulp and Paper Industry	Heikki Hannukainen, Toihan

The International Control Systems conference is held every two years and is since 1982 one of the leading conferences in the area of process measurement, control and systems engineering for the pulp and paper industry.

FULL CONFERENCE PROGRAMME

REGISTER NOW!

#pulpandbeyond | pulpandbeyond.com

PULP & BEYOND CONFERENCE 2024

Pulp & Beyond Conference is an essential part of the Pulp & Beyond event. The conference provides state-of-the-art industry insights and knowledge you won't get anywhere else – take part in the industry-changing discussions with the key players around the globe!

The conference has been divided into three separate tracks – you can choose to take part in one individual track or get full access to all three, the choice is yours! The tracks are as follows: **Innovative Wood-Based Products** (track 1), **Carbon Zero Future Mills** (track 2), **and International Control Systems Conference 2024** (track 3).

What to expect from Pulp & Beyond 2024?

Conference (April 9) Get your tickets to the Pulp & Beyond Conference and access pioneering industry insights and knowledge! Conference tickets are available now on pulpandbeyond.com.

Exhibition (April 10–11) The Pulp & Beyond 2024 event features an abundance of top-notch exhibitors and speakers, and two different stages full of industry leading programmes. Register for free!

Opening Ceremony (April 10) Pulp & Beyond 2024 starts with a bang as Petteri Taalas, Director General for Finnish Meteorological Institute gives a keynote regarding Role of Forests in Climate Change Mitigation.

After Work (April 10) After a hard day of work, it's time to unwind a bit! The afterwork session will provide a relaxed atmosphere, giving all participants of the Pulp & Beyond event the opportunity to network and mingle.

Beach Party (April 10) An evening party like no other! Pack your snazziest Hawaii shirt and shorts because the +26°C urban jungle temperature will make you leave your winter clothes at the coat check!

Excursion (April 11–12) Join us for a field trip to visit three companies in Jyväskylä April 11–12: Metsä Group's Äänekoski Bioproduct Mill, Suzano Finland Textile MFC Plant, and VTT Technical Research Centre of Finland Ltd.

TRACK1 – INNOVATIVE WOOD– BASED PRODUCTS

Theme 1: New cellulose-based textiles changing the fashion business

Aspi Patel, Group Chief Technology Officer – ABG, CEO, Aditya Birla Science and Technology Company

10:35 Challenges, opportunities and the future of cellulosic textile fibers

Theme 2: Creating new innovative bioproducts from wood and process side streams

Heloisa Ramires, R&D Executive Manager, Suzano

14:35 Creating innovation from microfibrillated cellulose – case Suzano

Theme 3: Solving global challenges with renewable packaging materials and barrier products

Julien Bras, Cellulose Valley chair holder, Grenoble INP Pagora – LGP2

16:35 Latest developments in Cellulose Valley for cellulose-based food packaging products

TRACK2 – CARBON ZERO FUTURE MILLS

Theme 1: Breakthrough energy solutions in forest industry

Matti Toivonen, Vice President of Technology, Metsä Fibre

10:55 How to take steps towards fossil-free pulp mills – case Kemi bioproduct mill

Theme 2: On the path towards world-class process safety

Hector Araneda, Operations and Environmental Manager

14:35 Developing world-class process safety and enhanced energy efficiency with digitalization

Theme 3: Developing material efficiency in future carbon zero mills

Atte Virtanen, Vice President, Biomaterial processing and products, VTT Technical Research Centre of Finland Ltd
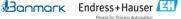
15:35 Stepping into new level in smart material usage with Emissing Free Pulping project