



**PACWEST 2022 TECHNICAL PRESENTATIONS**  
**“EVOLVING WITH ESG”**  
**ENVIRONMENTAL, SOCIAL & GOVERNANCE**

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## **SESSION A – FIBRE**

**1.) Fibre Morphology of Different Softwood Species and Their Impact on Kraft Pulping and Paper/Tissue Making**

**Potential:**

George Sacciadis

**FPInnovations**

**2.) Effects of Enzyme Species on Productions of Microfibrillated Cellulose from Mechanical Pulp Fines:**

Marianna Frias de Albuquerque

**UBC**

**3.) The Dynamics of Microfibrillated Cellulose Under Shear:**

Rasmita Sahoo

**UBC**

**4.) Cellulose Reinforces Plastics, Properties, Applications:**

Matyas Kosa – Bioproducts Lead

**West Fraser, Energy and Bioproducts Division**

## **SESSION B – AUTOMATION and CONTROLS**

### **1.) Applying Predictive Models in Process Controls:**

David Eapen

**Valmet Automation**

### **2.) Intelligent Process Optimization Utilizing a Novel Control and Monitoring Platform:**

Andy Bergeron, Digital Manager – P&P Americas

**Kemira Chemicals, INC, USA \*SimAnalytisc Oy, Helsinki, Finland**

### **3.) Rapid Bleaching Optimization Using Advances Instruments and Controls:**

Hotl Crenshaw

**Valmet Automation**

### **4.) Big Data and Digitalization in the Pulp and Paper Industry Towards the Autonomous Mill:**

**Brian Hayes – North America Sales**

Andritz Solutions/Andritz Automation

## **SESSION C – MILL OPTIMIZATION “A”**

### **1.) The Voyage of Digitalization in the Pulp and Paper Industry Moving Towards the Autonomous Mill:**

Steve Royan, Business Development Manager

Brian Hayes, North America Sales

**Andritz Solutions/Andritz Automation**

### **2.) Mercer Celgar PM1 Upgrades:**

Marc Caruth – **Celgar**

Devin Kelly - **Allnorth**

### **3.) Valve Performance Factors – Testing, Design and Selection**

Kevin Niebergall - **CGIS**

### **4.) Cleaning of Pulp Mill Industrial Equipment – Analysis of Options:**

James Buss – **Mercer Celgar**

## SESSION D – MILL OPTIMIZATION “B”

**1.) How Sootblowing More With Less Steam Improves BLRB Availability & Mill Sustainability:**

Johan Holmer – Sales Manager

**Heat Managent**

**2.) Reducing Steam Consumption of Hot Water and Warm Water Systems Through Process Control: A Case Study at Canfor Northwood**

Austin Grant & Carl Sheehan

**Spartan Controls**

**3.) Reduction Rate Control:**

Travis Connor – Solutions Manager

**Veolia Water Technologies**

**4.) Brownstock Washing Improvements at Kamloops Mill:**

Brooks Fraser & Brock Fraser

**Domtar Kamloops**