



PACWEST 2019 TECHNICAL PRESENTATIONS

“THE FUTURE IS NOW - INVESTING IN PEOPLE, TECHNOLOGY & ASSETS”

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SESSION 2A - TECHNOLOGY

1 Advances in Recovery Boiler Furnace Bed Imaging

Rodeo Winchell, Chad Cheney, Jeff Butler, Valmet

2 Impact of Energy Efficiency and Biorefining on Energy consumption and GHG Emissions across the Forest Sector Value Chain

Kurt Woytiuk, Enrique Mateos Espejel, Tatiana Rafione, Blane Grann, Lal Mahalle, Cameron Rittich and Maxime Tanguay-Laflèche. FPIinnovations

3 Fast COD Analyzer for Improved Process Control and Savings

Kerry Betz-Stablein, Matthew Jensen, Adam Lancaster, Canfor Pulp; Maggie Grierson, Mantech

4 Boiler Tube Deposit Inspection Technology

Mike Ward /Mike Trivett, Valmet

5 Power Quality Improvement

Dave Tunnah, SEMAN Group

6 Practical Performance-Monitoring of Centrifugal Pumps

Bryan Bohn, UBC

SESSION 2B - MACHINE ROOM

1 Wrapline Reliability Improvements at Crofton

Lisa Hudson, P.E. Crofton

2 Modelling of Pulp Dewatering

Dr. Thom Eaves, UBC

3 Improving Pulp Machine Efficiency at Celgar

Koowar Singh, Kevin Kirby, G.O'Reilly, Mercer Celgar

4 Pulp Dryer Upgrades – Recent Cases

João Carlos Negrão, Valmet Technologies Oy – Finland

5 Parallelism of Rollers a new invention for the solution of an old problem

Payam Assadi, Prüftechnik, Laval

SESSION 3A - MECHANICAL PULPING

1 Effect of Compression of Wood Chips on Cellulose Accessibility

Miguel Villalba, UBC

2 Optimising BCTMP at Pan Pac Forest Products

Tika Tedjamukti, Pan Pac Forest Products; *Dan Davies*, Evonik Canada

3 Benefits and Successes of Leveraging a KMAP Tool in our TMP Plant

Yu Sun, Catalyst Paper, Crofton; *Jouni Martiskainen*, Paper Excellence, Richmond, *Norm Wild* – *Project Engineer Specialist*, BC Hydro

4 Spatial Registration of Bar Force Profiles in Low Consistency Refining

Matthias Aigner, *Peter Wild*, University of Victoria

5 Energy Reduction in High Consistency Reject Refining

Vilas Rewatkar, Wood Canada

SESSION 3B - FIBRE LINE

1 Constant Pulp Quality and Refining Knowhow – Using Online Fibre Measurement and The Mercer Fibre Centre

Frank Meltzer, *Sabine Teucke*, Mercer International.

2 Implement Papricycle to save caustic and improve COD to D₁ stage

Shree Prakash Mishra, FPInnovations, Point-Claire; *Honey Nampak*, Nanaimo Forest Products Ltd

3 Technical Merits of Reclaiming Green Liquor Dregs to the Chemicals Recovery Cycle in Kraft Mills

Moise Dion, Mercer Peace River; *Sue Mao & Honghi Tran*, University of Toronto

4 Reliable Storage Bins & Feeders for Hog Fuel and Wood

Jocelyn Dyck, *Jamil Bundalli*, Kamengo

5 Implementing Web Tension Control to Improve Throughput and Quality

Jim Chura, ABB

SESSION 4A - BIO PRODUCTS & ENERGY

1 TMP of the future: challenges and strategies

Radia Ammara, *Sara Eskandarifar*, *Hakim Ghezzaz* and *Serge Bedard*, Canmet ENERGY

2 Upgrading Turbine Generator Controls

Adrian Mazurek, *William Cheung*, Andritz

3 Biorefining and Machine Learning: Towards a Universal Kinetic Model of Wood Deconstruction

Edward Wang, UBC

4 Mill Digitalization from Start-up to Long-term Optimization

Lars Almkvist, Valmet

5 Use of NCG's to Produce Concentrated Sulphuric Acid and Steam

Rohan Bandekar, Noram Engineering

SESSION 4B - INNOVATION & RESEARCH

1 Hydrolyzing of Mixed Office Waste (MOW) Paper

Ramiro Escudero, *Jeovani González*, *Feng Rao*, Institute of Research in Metallurgy and Materials; *Pedro Navarro*, Faculty of Chemical Engineering, Universidad Michoacana de San Nicolás de Hidalgo, México

2 Method for Continuous Fractionation of MFC

Mohammed Shanb Ghazani, UBC

3 Structural Challenges Using Non-Ferrous Material to Repair Bleach Towers

Robert Gallant, TAC

4 Innovative Approaches to Landfill Capacity

Trevor Mahoney, XCG Consulting, Kitchener

5 Evolution of Conventional Industry into Industry 4.0

Eddy Nahed, Asystem / Bureau Recherche & Development-R&D de Toulouse, France