

General Interest	G
Young Professionals	YP
Management	M
Coating	C
Papermaking	PM
Control Systems	CS
Sustainability/ Recycling	S/R



Technical Program as of 2-15-18

Subject to Change

Monday, April 16th

8:00 - 9:30	G	Awards Breakfast	
9:30 - 10:30	G	M1 - Keynote: When Generations Connect by Hannah Ubl, Bridgewater	
10:30 - 11:30	G	M2 - Paper360 Executive Panel	
1:30 - 3:00	YP	M3 - Young Professional Perspectives on Innovation in an Established Industry	
	C	C1 - The Road to Sustainable Packaging I: Implementing Solutions	
	C	McDonald's Scale for Good	Amy Duquette, HAVI
	C	Novel Bio Based Coatings for Novel Barrier Papers	Michael Bilodeau, HS Manufacturing Group, LLC
	C	Enhancing the Barrier Properties of Micro Nanofibrillated Cellulose by Inclusion of Pigment with Designed Surface Modification	Cathy Ridgeway, Omya International AG
	PM	PM1 - Papermaking Innovations Kick-Off and Roundtable	
	PM	PA1 - Enzyme Technology	
	PM	Enzyme Overview for Paper (tutorial)	
	PM	Cellulolytic Enzymes – Versatile Tools in Papermaking	Philip Hoekstra, Buckman International
	PM	Latest Development of Enzymatic Technologies Provides a New Level of Stickies Control	Mark Reed, Buckman International
	CS	CS1 - Keynote & Asset Optimization	
	CS	Keynote	K. Eric Harper, ABB Corporate Research
	CS	Reducing Cost of Ownership and Improving Long Term Performance of QCS Controls	Johan Backstrom, Honeywell International
	CS	On Optimization of Paper Machines using Economic Model Predictive Control	Olle Trollberg, KTH Royal Institute of Technology
	C	FF1 - Coating Rheology	
	C	Coating Rheology: What Do We Know and Recent Understanding	Douglas Bousfield, University of Maine
	C	Colloidal Rheology of Enzymatic Polymerized Polysaccharides	John Fisher, DuPont Industrial BioScience
	C	Pilot Coating with a Hemicellulose Based Barrier	Peter Rättö, RISE Bioeconomy
	S/R	RPTA1 - Maximizing Recycled Fiber Performance	
	S/R	Innovative Filling Design Driving Optimization of Dispersion Systems	Kent Albert, Voith Paper
S/R	Enzymatic Treatment Of Recycled Pulp For Improved Inter-Fiber Bonding and Pulp Drainage	Yun Wang, Western Michigan University	
S/R	Recycled Fiber Quality and the Impact of Refiner Plate Selection	Arvind Singhal, Andritz	
3:30 - 5:00	M	M4 Women in Industry Panel: Inclusion - Teams Create Value	
	S/R	C2 - The Road to Sustainable Packaging II: Trends & Drivers	
	S/R	Innovations in Sustainable Packaging: More Option to Meet Company Demands	Ian Lifshitz, Asia Pulp & Paper
	S/R	Improving Recovery of Paper Foodservice Packaging	Rhea Hale, WestRock
	S/R	Opportunities and Challenges in Foodservice Packaging	Lynn M. Dyer, Food Service Packaging Institute
	S/R	The Role of Sports in Sustainability	Erik Distler, Green Sports Alliance
	S/R	The Challenges of Waste Management in Paper Packaging	Susan Robinson, Waste Management
	PM	PM2 - Worldwide Innovation Trends	
	PM	Innovation - An Added Value Or A Whim Only?	Maja Mejsner, PMP - Paper Machinery Producer
	PM	Metagenomic DNA Testing as a Tool to Reduce Costly Slime and Odor Problems	Linda Robertson, International Paper; & John Tillotson, Microbe Detectives
	PM	Case Studies of a Surface Active Non-Oxidizing Biocide	Wilson Nova, LANXESS
	PM	Monitoring and Control of the Biodegradation Rate of Cellulose-based Products for Agricultural Applications	Rafik Allem, FPInnovations

Monday, April 16th continued

3:30 - 5:00 continued	CS	CS2 - Measurement Technologies I	
	CS	Enhanced-performance Online Infrared Measurement	Keith Lantz, Honeywell International
	CS	Application of Near Infrared Sensors for Online Measurement of Paper Properties	Sebastien Tixier, Honeywell International
	CS	Why Sensors are the Cornerstone of Your Big Data Strategy	Markku Mustonen, Conmark Systems Inc.
	PM	FF2 - Novel Characterization Methods	
	PM	Experimental Investigations on Fragmentation Mechanisms in a Model High Pressure Homogenizer	Christophe Brouzet, Royal Institute of Technology KTH
	PM	Non-destructive Fiber Analysis of Paper via Resonant Cavity Broadband Dielectric Spectroscopy	Mary Kombolias, US Government Publishing Office
	PM	Crystal Particle Adhesion to Heat Transfer Surfaces in Falling Film Flow: A Computational Study	Yuanzheng Zhu, Georgia Institute of Technology
	S/R	RPTA2 - Energy Reduction in Recycle Fiber Mills	
	S/R	Steam System Optimization of a Linerboard Paper Machine	Jean-Philippe, Cascades
S/R	Using Performance Management to Drive Energy Improvement	Chris Conrad, Carastar	
S/R	Successful Energy Conservation Projects in Board Mills	Joseph Peterson, Graphic Packaging International, LLC	

Tuesday, April 17th

8:00 am - 10:00 am	M	M5 - Managing Change Digitalization and Digital Transformation: A Business Enabler	
	M	Digitalization: Industry 4.0 Trends Help Mills Improve Process Information Management	Maria Karlstrom, Eurocon MOPSSys Inc
	M	Factory of the Future – Interdependency of OT and IT	John Dixon, Deloitte Consulting LLP
	M	Third Trusted Party IoT Platforms – Future Enabler for Data Exchange, Benchmarking and Value Added Services	Johan Engman, SSG Standard Solutions Group
	M	Digital Trends as Business Enablers	Mariana Sandin, OSisoft
	C	C3 - Lightweight and High Graphic Quality Linerboard	
	C	Lightweight and High Graphic Quality Market Trends	Sarilee Norton, Norton Associates
	C	White Top and Coated Linerboard	TBA, WestRock
	C	Trends in Printing and Imaging of High Graphic Quality Corrugated	Charles P. Klass, Klass Associates, Inc.
	C	Digital Imaging of Corrugated	John Stoffel, Hewlett Packard
	C	Solutions Under the Mill Roof	Doug Carter, Kamin, LLC
	C	Development of Corrugated Board Surfaces Suitable for Water Intensive Printing	Per Svending, FiberLean Technologies Ltd.
	PM	PM3 - Innovations for Packaging Machines and Energy	
	PM	Quality Improvement from the Wet End for Board and Packaging Grades	Martin Lehrner, Voith Paper
	PM	Press Fabric Innovations for Packaging Machines	Daniel Hedou, AstenJohnson
	PM	Gapforming Trends for Packaging Grades	Moritz Strepp, Voith Paper
	PM	Steam System Considerations for Conversion from Graphic Papers to Containerboard	Mike Soucy, Kadant Johnson Systems
	PM	Emerging Technologies for Reducing Energy Use	Dick Reese, Paper Machine Energy Expert
	PM	PA3 - Strength I: Dry Strength	
	PM	New Strength Solutions for Packaging Grades Based on Vinylformamide-containing Polymers in Dual Component Systems	Anton Esser, BASF SE
	PM	Novel Kraft Liner Retention and Drainage Polymer	Mike Wallace, Chris Lewis & Arno De Beer, Kemira
	PM	Polyelectrolyte Multilayers and Other Dosage Strategies - Effects on Properties of Paper Sheets Produced in Lab and Pilot Scale Using Mill Process Waters	Caroline Ankerfors, RISE Bioeconomy
	PM	Utilizing Data and Real-time Monitoring to Manage Chemical Programs	Tony Lewis, Solenis LLC
	CS	CS3 - Measurement Technologies II	
	CS	Towards Total Production Monitoring of Basis Weight and Moisture	Catherine Östlund, RISE Bioeconomy
	CS	Reliable On-line Paper Formation Measurement	Slawek Frackowiak, Industrial Video Solutions
	CS	Advances in Imaging-Based Measurement of Tissue Crepe Structure	Markku Kellomäki, Honeywell International
	CS	New In-line Freeness Sensor for control of Refiners for better Drainage Management on the Paper Machine	Markku Mustonen, Conmark Systems Inc.

Tuesday, April 17th continued			
8:00 am - 10:00 am continued	PM	FF3 - Controlling Web Structure	
	PM	Improving Consistency Control	Michael Hendricks, BTG Americas Inc.
	PM	Some Practical Aspects of Retention Aids Addition on Web Structure Variability	Paul Krochak, RISE Bioeconomy
	PM	Monitoring Cross-Thickness Distributions of Fines and CMF by Dyeing and Optical Measurement	Peter H. F. Hansen, RISE Bioeconomy
	PM	Unique Web Structures with Next Generation Fibre Foam Research Environment	Jani Lehmonen, VTT
	S/R	RPTA3 - Water Usage in Recycled Paperboard Mills	
	S/R	Using UV Technology to Generate Oxygen Radicals for Paper Mill Systems	Lance Card, Paradigm Chemical
	S/R	Proper Water Management and the Bio-kidney Effect on Paper Mill Water Systems	Ryan Coda, Voith Meri Environmental Solutions Inc.
	S/R	Water Conservation with Effective Press Fabric Conditioning	Gilles Boulianne, ColdwaterGroup, Inc
S/R	A Breakthrough High-rate Anaerobe Reactor Proves Itself in the Pulp and Paper Industry	Michel Noordink, Pasques	
10:00 - 1:30 PM	G	Exhibit Hall & Lunch	
1:30 pm - 3:00 pm	M	M6 - Superintendent's Roundtable	
	C	C4 - Coating Operations Success Stories	
	C	Spray Applications for Paper and Board Surface Treatment	Pemo Klimczak, PMP
	C	Further Development of the Curtain Coater Combining Best Coverage With an Easy and Safe Operation	Martin Schmid, Voith Paper
	C	The Influence of Base Sheet and Coating Formulations on Print Mottle of Graphic Papers	Dennis Perpich, Verso
	C	Energy Savings and Machine Speed Increase in Cartiera di Momo, Italy	Geert Dumortier, Bekaert
	C	Determining the Need and Benefit of Multizone Rolls in Calender Operations	Stefan Wilms, Adritz
	PM	PM4 - Innovative Modeling and Advanced Process Control	
	PM	Multivariate Modelling to Optimize Paper Quality and Production Cost Based on Fiber Morphology Data	Jarmo Kahala, Glocell Oy
	PM	Back to the Future: Papermaking at the Cutting Edge	Simon Mazier, Perceptive Engineering
	PM	Is Running a Paper Machine Harder than Landing a Man on the Moon?	Todd Jordan, BTG Americas Inc
	PM	PA4 - Strength II: Wet Strength	
	PM	Wet Strength Overview	H. Goldsberry, Kemira
	PM	Towards Higher Wet Strength, Easier Repulpability, and Enhanced Compostability	Robert Pelton, McMaster University
	PM	Regulatory and Sustainability Initiatives Lead to Improved Polyaminopolyamide-epichlorohydrin (PAE) Wet Strength Resins and Paper Products	Richard Riehle, Solenis LLC
	CS	CS4 - Imaging and Machine Vision Applications	
	CS	Evaluating the Contrast of Planar Periodic Patterns on Paper	Jukka-Pekka Raunio, Tampere University of Technology
	CS	Understanding the Challenges of Transitioning from Service to Application Support for Defect Detection	Wesley Sweeny, Procemex
	CS	Integration of Machine Vision with Paper Machine Controls	Slawek Frackowiak, Industrial Video Solutions
	PM	FF4 - Press Dewatering	
	PM	Rewet in Wet Pressing of Paper	David McDonald, JDMcD Consulting Inc.
	PM	Mathematical Modelling and Simulation of Initial and Mechanical Dewatering of Paper Web in Paper Machine Sections	Natalie Osti, Voith Paper
	PM	Water Balance and Simulation of Wet Pressing in a Two-roll Press Section	John Xu, AstenJohnson
	S/R	RPTA4 - Reliability	
S/R	The Maintenance Department vs the Maintenance Function	Jay Shellogg, Strategic Maintenance Reliability	
S/R	Standard Work Implementation	Todd Letherer, Graphic Packaging International	
3:30 pm - 5:00 pm	M	M7 - Significant Injury & Fatality Prevention (SIF)	
	C	C5 - Another Look Into Functional Coatings	
	C	PVOH Coatings to Achieve High Barrier on Paper	Samuel Michel, Kuraray Europe GmbH
	C	Improvement of Barrier Properties of Paper by Coating Carboxymethylated Cellulose Nanofibrils	Heetae Park, Hye Jung Youn, Seoul National University
	C	High-speed Manufacturing of Antimicrobial Paper	Martti Toivakka, Åbo Akademi University
	PM	PM5 - Papermaking Roundtable	
	PM	PA5 - Strength III: Natural	
	PM	Production of Pulp with an Extremely High Fines Content for Use as Strength Agent	Elisabeth Björk, RISE Bioeconomy
	PM	Pilot Scale Trial with Fines-enriched Pulp as Strength Agent in a CTMP Middle Ply	Mikael Bouveng, RISE Bioeconomy
PM	Boosting the Elongation Potential of Paper by Additives	Anna Sundberg, Åbo Akademi University	

Tuesday, April 17th continued			
3:30 pm - 5:00 pm continued	CS	CS5 - Pulp Measurements and Controls	
	CS	Model-based Control and Diagnostics Strategies for a Continuous Pulp Digester	Moksadur Rahman, Mälardalen University
	CS	Optimization of Brown Stock Washing Using Advanced Process Control	Abijit Badwe, ABB
	CS	New Trends in Advanced Process Control and Applicability to Pulp Mill Operations	Bill Poe, Schneider Electric
	PM	FF5 - Production Dynamics	
	PM	In-situ Measurements of Stock Flow Conditions in the Twin-wire Forming Zone	Claes Holmqvist, RISE, Bioeconomy
	PM	Improving Runnability of Pulp Drying Machines at the Wet-end	Javad-Reza Saberian, FPInnovations
PM	Dimensional Stability Issues of Lightweight and New Paper Grades: Causes and Remedies	Frederic Parent, FPInnovations	
Wednesday, April 18th			
8:00 am - 10:00 am	M	M8 - State of the Industry	
	C	C6 - Innovations for Enhanced Production Digital Printing	
	C	Invited Speaker	TBA
	C	Improving the Inkjet Printability of Folding Boxboard	Peter Dahlvik, Omya International AG
	C	Novel Approaches to Paper Surface Treatment for High-Speed Inkjet Production Printing	Lokendra Pal, North Carolina State University
	C	A New Mechanism for Enhancing Adhesion of Electroreprographic Printing with Liquid Toner	Daniel Varnell, Solenis
	PM	PM6 - Papermaking Success Stories	
	PM	Heat Recovery from Turbo Blower: A Case Study	Lawrence Yane, Enerquin Air Inc
	PM	Advanced Drying Technology and Curl Control	Andreas Ziegelwanger, Voith Paper
	PM	Innovating for Success with Project Management Principles	James Stockard, Fisher Arnold
	PM	Forming and Press Section Optimization Concept – A Full Improvement Package for Vacuum System, Dewatering, Doctoring and Runnability	Tero Pärssinen, Runtech Systems Inc.
	PM	DS Smith, Kemsley, UK – PM 6: Existing Multistage Vacuum Blower and Liquid Ring Pump Replacement by Modern Variable Speed Vacuum Blowers on a Recycled Linerboard Machine	Tero Pärssinen, Runtech Systems Inc
	PM	Gentle and Safe Handling of Paper Rolls at Paper Mills and Converting Plants by Utilizing Horizontal Pressure Conveyors and Similar New Techniques	Mikko Rantanen, MoveRoll Oy
	PM	PA6 - Success Stories	
	PM	Sizing Overview	
	PM	New Sizing Additive for Full or Partial Replacement of ASA	Andre Gobin, TPC Group
	PM	Efficacy of Cassava Gel, Polyvinyl acetate and Hydroxyethyl Cellulose as Sizing Agents for 30-cell Paper Egg Tray	Kehinde Amoo, University of Ibadan Nigeria
	PM	Application of Cellulose Nanofibrils as an Additive for the Production of Durable Papers	Hyeonji Park, Seoul National University
	CS	CS6 - Industry 4.0 for Process Control	
	CS	Innovative Infrastructure for Pulp and Paper Applications in Digital Age	Shih-Chin Chen, ABB
CS	The Cloud Historian – An IIOT Cornerstone for the Process Industries	Johan Backstrom, Honeywell International	
CS	Digital Transformation and Change Agents	Mariana Sandin, OSisoft	
CS	Collaborative Monitoring of Critical Equipment Availability in Next Generation Bioproduct Mill	Juha Alamaki, Metsa	
10:30 am - 12:00 pm	M	M9- Mill Manager's Roundtable	
	C	C7 - Innovations in Coating Pigments	
	C	Innovations in Kaolin	Chris Boothby, IMERYS
	C	Advances in Calcium Carbonate	Tim Bradley, Omya
	C	New Insights into the Technology and Market of TiO2 Pigment	David Burdette, Allegiance Chemicals, LLC & Alain Cagnard, Kronos Worldwide, Inc
	C	Synthetic Plastic Pigments	Brian Einsla & John Roper, Dow Chemicals; Femi Kotoye, Trinseo, LLC
	C	A Novel Sub-Micron Precipitated Silica for Glossy High Speed Ink Jet Media	Michael Darsillo, Evonik Corporation
	C	Calcined Clay: An Effective Alternative to TiO2 in Paper and Board	Prakash B. Malla, Thiele Kaolin Company; Dan Ma, Kamin, LLC

Wednesday, April 18th continued			
10:30 am - 12:00 pm continued	PM	PM7A - Innovative Approaches to Solving Age-Old Problems	
	PM	How Hot is too Hot - White Water Heating	Todd Varner, Jacobs
	PM	Retrocommissioning and Energy Efficiency – Applying this Concept to the Paper Machine Vacuum System	Douglas Sweet, Doug Sweet & Associates, Inc
	PM	Importance of Paper Machine Building Hall Ventilation: A Rigorous Approach for Evaluation and Problem Solving – Case Studies	Ajit Ghosh, AKG Processing Consulting
	PM	PM7B - Innovations in Sheet and Fabric Measurement	
	PM	Enhanced Safety for Press Felt Measurement and Evaluation	Wyatt Boyett, Voith Paper
	PM	How To Judge Felt Permeability On The Fly	Marcell Lensvelt, Feltest Equipment BV
	PM	Advances in Microwave Water Measurement Create New Papermaking Applications	Frank Cunnane, Cristini NA
	CS	CS7 - Process Data Analytics	
	CS	Turning Big Data into Value Increasing Asset and Organizational Performance	Tomas Jutbo, Voith Paper
	CS	Cooperative Process Optimization Between Paper Machine and Stock Preparation Utilizing Plant Big Data Analysis	Takashi Sasaki, Yokogawa Electric Corporation
	CS	Quality Focused Big Data Analytics in Pulp and Paper Industry	Emil Ackerman, Quva Oy
1:30 pm - 3:00 pm	M	M10 - Transitioning for Tomorrow: Developing a Multi-Generational Workforce	
	C	C8 - Optimization of Coating Applications	
	C	A New Model and approach for Optimizing Barrier Properties in Paper Coatings and Extruded Films	Doug Carter, KaMin LLC
	C	Optimization of Coating with Water Based Barriers	Tom Larsson, UMV Coating System
	C	Microencapsulation – Enabler for Future Coatings	Fadi Chakar, Encapsys
	PM	PM8A - Innovations in Auxillary Systems	
	PM	The Highest Level of Fabric Performance Starts with the Cleanest Technique	Mark Hodson, Voith Paper
	PM	Marking Systems Are Not Just for Defect Identification Anymore	Timothy Rye, Ryeco
	PM	Reduce Downtime by Eliminating Common Carrier Rope Run Problems	Frank Cunnane, Cristini NA
	PM	PM8B - Innovations in Coating Systems	
	PM	Novel Bio-Based Coating for Novel Barrier Papers	Michael Bilodeau, University of Maine
	PM	Innovations in Sustainable Packaging: More Options to Meet Consumer Demand	Ian Lifshitz, Asia Pulp & Paper
	PM	Spray Applications for Paper and Board Surface Treatment – Closing in on Lean Manufacturing Principles	Przemyslaw (Pemo) Klimczak & Patrick Sundholm, PMP - Paper Machinery Producer
	PM	PA8 - Filler Applications and Mixing Technology	
	PM	Mixing Overview	Darren Swales, Kemira
	PM	Mineral/ Microfibrillated Cellulose Composite Materials: High Performance Products, Applications and Product Forms	David Skuse, FiberLean Technologies Ltd
	PM	In-Line PCC Technology Cleans Up Circulation Water From Dissolved Materials, Metals and Bio Based Microorganisms Resulting to Clean Process and High Runnability	Jouni Matula, Wetend Technologies Ltd
	CS	CS8 - MD Controls	
	CS	Fuzzy Control On A Fluff Pulp Machine to Reduce Moisture Variability	Amanda Lucas, Global Process Automation, LLC
	CS	Projective Grade Change	Patrick Lawless, ABB
CS	Have You Closed the Loop Around “Automatic” Grade Change Yet?	Seyhan Nuyan, Valmet	
3:30 pm - 5:00 pm	PM	PM9 - Papermaking Innovations Wrap-Up Roundtable	
	PM	PA9 - Papermaking Additives Wrap-Up Roundtable	
	CS	CS9 - CD Controls	
	CS	Coordinating CD Actuators by Applying Actuator Deviation Penalty in Multivariable CD Control Optimization	Calvin Fu, Valmet
	CS	Cross Direction (CD) Mapping Performance Indices	Kerry Figiel, International Paper
CS	A New CD Actuator Mapping Representation and its Benefits to CD Controls	Shih-Chin Chen, ABB	