

Monday, May 6, 2019

3:30PM – 5:00PM

PA2-PF1: Filler Composites

Session Chair: Leslie McLain, IMERYS

PA2-PF1.1	Substituting Pulp for Filler is Increasingly Attractive for Papermakers	Per Svending, FiberLean Technologies Ltd.
PA2-PF1.2	Enhancement of Paper Strength by Bio-based Composite Fillers	Indrasena Ghosh, IIT Roorkee
PA2-PF1.3	Filler Co-flocculation with Cellulose Micro Fibrils — A Novel Predictive Method	Ignacio De San Pio, RISE Bioeconomy A.B

Tuesday, May 7, 2019

8:00AM – 10:00AM

PF2: Fundamentals of Wood Components and Fiber Strength

Session Chair: Paul Krochak, RISE

PF2.1	Improving Paper Wet-Strength by Means Hot-Pressing and Increased Lignin Content in Pulp Fibres	Tove Joelsson, Mid Sweden University, MoRe Research
PF2.2	Modification of Softwood Kraft Pulp is Better for Tissue Paper Production	Hafizur Rahman Rahman, FSCN, Mid Sweden University
PF2.3	Fibre-Based Strength Aids for Increased Board Stiffness	Claes Holmqvist, RISE
PF2.4	Multiple Recycling of Paper Board: Determination of Changes in Characteristics of Paper Board and Assessment of the Maximum Number of Recycling Cycles	Frederic Kreplin, TU Darmstadt - PMV

10:00AM – 1:30PM

Lunch/Exhibit/NTS

1:30PM – 3:00PM

PF3: Novel Production Processes

Session Chair: John Xu, AstenJohnson

PF3.1	Superior Bulk Cartonboard with Three-Layer Headbox	Maarit Lahtinen, Valmet Technologies
PF3.2	Textile-Like Materials with Foam Forming on a Paper Machine	Claes Holmqvist, RISE
PF3.3	Pilot Scale Production of Interactive Zinc Oxide Paper and Its Multiple Applicability	Hjalmar Granberg, RISE Bioeconomy

3:00PM – 3:30PM

Break

3:30PM – 5:00PM

PF4: Novel Application of Cellulose Based Materials

Session Chair: Claes Holmqvist, RISE

PF4.1	Electroactive Papers, Films, Filaments, Aerogels, and Hydrogels to Realize the Future of Biobased Electronics	Hjalmar Granberg, RISE Bioeconomy
PF4.2	Production and Evaluation of Paper with High Fiber Orientation for Paper-Based Construction Materials	Robert Göttinger, TU Darmstadt - PMV
PF4.3	Cellulose Nanocrystals as Promising Nanomaterial for Proton Exchange Membranes in Fuel Cell Application	Yuvraj Singh Negi, Indian Institute of Technology Roorkee

Wednesday, May 8, 2019

10:30AM – 12:00PM

IPPC7-PF5: Fundamentals of Water Removal

Session Chair: Warren Batchelor, Monash University

IPPC7-PF5.1	The Effect of Felt-Web Structure Interaction on Press Dryness Variability	Paul Krochak, RISE - Research Institutes of Sweden
IPPC7-PF5.2	Unique Compression Behavior of Foam-Formed Sheets in Wet Pressing and Calendering	Jukka Ketoja, VTT Technical Research Centre of Finland Ltd
IPPC7-PF5.3	Modelling of a Viscoelastic Compression Model for the Simulation of Mechanical Dewatering Processes	Timo Frick, J.M. Voith SE & Co. KG
IPPC7-PF5.4	Fundamental Understanding of Bound Water Removal in Paper Drying Process	Zahra Noori, WPI

10:00AM – 10:30AM

Break

1:30PM – 3:00PM

PA8-PF6: Advances in Additive Technology

Session Chair: Steve Boone, Bercen

PA8-PF6.1	Rapid Microbial Detection and Quantification	Justin Hutcherson, Buckman
PA8-PF6.2	Effect of Fiber Structure on Edge-Wicking in a Highly Sized Paper	Jeremy Meyers, WestRock
PA8-PF6.3	Movement of a Liquid Droplet Within a Fibrous Layer: Direct Pore-Scale Mode	Hamed Aslannejad, Utrecht University