

## Coating and Graphic Arts Program

(subject to change)

Sunday, April 22

4:30 pm - 6:00 pm

C1 - Coating & Graphic Arts Welcome and Keynote Address

Monday, April 23

11:30 am - 1:30 pm

C2 - Coating New Technology Showcase

Session Chair: **Gregg A. Reed**, Georgia-Pacific Chemicals

1:30 pm - 3:00 pm

C3 - Coating Best Papers I

Session Chair: **Femi O. Kotoye**, Styron LLC

"Binder Depletion During the Coating Process and Its Influence on Coating Strength"

**Janet S. Preston**, IMERYS Minerals Ltd.

**John C. Husband**, IMERYS Minerals Ltd.

"Recent Advancements in Vinyl Acetate Ethylene Copolymers for Use in Paperboard Coatings"

**Chris L. Lazaroff**, Celanese

**Rajeev Farwaha**, Celanese - Emulsion Polymers

"Renewable Xylan-based Barrier Coating for Paper and Board"

**Hakan B. Grubb**, Xylophane AB

3:30 pm - 5:00 pm

C4 - Coating Best Papers II

Session Chair: **Steven Bloembergen**, Ecosynthetix Inc.

"Replacement of Air Knife with Curtain Coating: Impact on End-Use Properties of Double-Coated Paperboard"

**Brian J. Ninness**, Styron LLC

**Pekka J. Salminen**, Styron Europe GmbH

**Don A. Ventresca**, Styron LLC

**Gregory W. Welsch**, Styron LLC

"On the Mechanisms of Wet and Dry Strength of Paper Coatings: Part 1 - Experimental Studies"

**Etienne Lazarus**, Styron Deutschland Anlagengesellschaft mbH

**Parvez Alam**, Abo Akademi University

**Pekka J. Salminen**, Styron Europe GmbH

**Martti Toivakka**, Abo Akademi University

"First Commercial Curtain Coater Application for Wood-Free Paper Grades"

**Peter Dahlvik**, OMYA International AG

**KangYoung Choi**, Omya Korea Inc.

**IckSoo Jeon and BonHwan Koo**, Hongwon Paper Mfg. Co., Ltd.

Tuesday, April 24

8:00 am - 10:00 am

**C5 - Fundamentals of Coating Strength and New Test Methods**

Session Chair: **Gregory W. Welsch**, *Styron LLC*

"On the Mechanisms of Wet and Dry Strength of Paper Coatings: Part 2 - Modelling and Simulation"

**Parvez Alam**, *Abo Akademi University*

**Etienne Lazarus**, *Styron Deutschland Anlagengesellschaft mbH*

**Pekka J. Salminen**, *Styron Europe GmbH*

**Martti Toivakka**, *Abo Akademi University*

"Atomic Force Microscope Techniques to Measure Latex Properties and Correlation to Coating Strength"

**Douglas W. Bousfield**, *University of Maine*

**Nick G. Triantafillopoulos**, *OMNOVA Solutions Inc.*

"New Observer Trials for Whiteness Formulas"

**Paul D. Fleming, III**, *Western Michigan University*

"A Laboratory Simulation of Tail Edge Pick"

**Catherine Ridgway**, *OMYA DEVELOPMENT AG*

**Patrick A.C. Gane**, *Omya Development AG*

10:30 am - 12:00 pm

**C6 - Best Student Papers**

Session Chair: **James P. Niemiec**, *NewPage*

"Rheological Properties of Starch Latex Dispersions and Starch Latex-containing Coating Colors"

**Jae Young Shin**, *Western Michigan University*

"Roll to Roll Printed Electronics on Paper"

**Roger C. Bollstrom**, *ABO Akademi University*

**Johan Bobacka**, *Abo Akademi University*

**Peter Dolietis**, *Abo Akademi University*

**Mika Lindén**, *Abo Akademi University*

**Ronald Österbacka**, *Abo Akademi University*

**Tommi Remonen**, *Abo Akademi University*

**Pekka J. Salminen**, *Styron Europe GmbH*

**Jawad Sarfraz**, *Abo Akademi University*

**Daniel Tobjörk**, *Abo Akademi University*

**Martti Toivakka**, *Abo Akademi University*

**Sari Viljanen**, *Abo Akademi University*

**Carl-Johan Wikman**, *Abo Akademi University*

**Carl-Eric Wilen**, *Abo Akademi University*

"Influencing the Inflections in Quickset Ink Setting Profiles to Improve Sheet-fed Print Quality & Efficiency"

**Ting Chen**, *Western Michigan University*

**Paul D. Fleming, III**, *Western Michigan University*

**Margaret K. Joyce**, *Western Michigan University*

**David A. Smith**, *Western Michigan University*

12:00 pm - 1:30 pm

**C7 - Coating Lunch & Learn**

Session Chair: **James P. Niemiec**, *NewPage*

1:30 pm - 3:00 pm

**C8 - Advances in Coating and Drying Technology**

Session Chair: **Prakash B. Malla**, *Thiele Kaolin Company*

"Curtain Coater for Board and Packaging"

**Martin Schmid**, *Voith Paper Inc.*

**Martin F. Kustermann**, *Voith Paper GmbH & Co. KG*

"Changes in Solid Particle Fraction of Coating Colors in High Speed Blade Coating"

**Anne Rutanen**, CP Kelco Oy

**Martti Toivakka**, Abo Akademi University

"Best Practices for Coat Drying"

**Geert LA Dumortier**, Bekaert NCD

**Anthony Wils**, Bekaert NCD

**3:30 pm - 5:00 pm**

**C9 - Hagermeyer Happy Hour**

Session Chair: **Janet S. Preston**, IMERYYS Minerals Ltd.

Session Chair: **Alonzo K. Osgood**, Sappi Fine Paper N.A.

**Wednesday, April 25**

**8:00 am - 10:00 am**

**C10 - Advanced Coating Materials**

Session Chair: **Rajan R. Iyer**, IMERYYS

"New Sustainable, Bio-based Polymers as Economical Coating Rheology Modifiers and Water Retention Aids"

**Alicia B. Richards**, AquaSol Corp

**John A. Heitmann, Jr.**, North Carolina State University

**Gang Hu**, North Carolina State University

"The Coating of Nanofibrillated Cellulose Onto Paper Using Flooded and Metered Size Press Methods."

**Douglas W. Bousfield**, University of Maine

"Advances in Raw Materials

Skid Resistant Overprints Offering Abrasion Resistance"

**Joseph A. Schlinkert**, Color Resolutions Intl. LLC

**10:30 am - 12:00 pm**

**C11 - Growing Trends in Calendering**

Session Chair: **William J. Frawley**,

"A Study of the Influence of Pre- and Post-Calendering on the Structural Parameters of a Coating Layer Applied with a Curtain Coater"

**Wolfgang M. Bauer**, Graz University of Technology

**Johannes Kritzinger**, Graz University of Technology

"Higher Bulk and Raw Material Savings with Metal Belt Calender for Paper and Board"

**Henri Vaittinen**, Metso Paper