

Coating & Graphic Arts (C)

Track Manager: **Steve Ottone**, *OMYA*

Monday, April 16th

1:30 pm - 3:00 pm

Room 217D

C1 - The Road to Sustainable Packaging I: Implementing Solutions

Session Chair: **Steve Ottone**, *OMYA*

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| C1.1 Partnerships and Consumer Demand: Advancing Sustainability at McDonald's and Beyond | Amy Duquette , <i>HAVI</i> |
| C1.2 Novel Bio-Based Coatings for Barrier Papers | Michael Bilodeau , <i>HS Manufacturing Group, LLC</i> |
| C1.3 Enhancing the Barrier Properties of Micro Nanofibrillated Cellulose by Inclusion of Pigment with Designed Surface Modification | Cathy Ridgway , <i>Omya International AG</i> |

3:30 pm - 5:00 pm

Room 217D

C2 - The Road to Sustainable Packaging II: Trends & Drivers

Session Chair: **Becky Smith**, *Dow Chemical*

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| C2.1 Innovations in Sustainable Packaging: More Option to Meet Company Demands | Ian Lifshitz , <i>Asia Pulp & Paper</i> |
| C2.2 Improving Recovery of Paper Foodservice Packaging | Rhea Hale , <i>WestRock</i> |
| C2.3 Opportunities and Challenges in Foodservice Packaging | Lynn M. Dyer , <i>Food Service Packaging Institute</i> |
| C2.4 Opportunities and Challenges for a Clean, Healthy, Just and Sustainable Future for the Pulp and Paper Industry | Joshua Martin , <i>Environmental Paper Network</i> |
| C2.5 The Challenges of Waste Management in Paper Packaging | Susan Robinson , <i>Waste Management</i> |

Tuesday, April 17th

8:00 am - 10:00 am

Room 217D

C3 - Lightweight and High Graphic Quality Linerboard

Session Chair: **Jennifer Pennington**, *Eastman Kodak*

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| C3.1 North American Containerboard, A Strategic View and Discussion | Sarilee Norton , <i>Norton Associates</i> |
| C3.2 Trends in Printing and Imaging of High Graphic Quality Corrugated | Charles P. Klass , <i>Klass Associates, Inc.</i> |
| C3.3 Digital Imaging of Corrugated | John Stoffel , <i>Hewlett Packard</i> |
| C3.4 Leveraging a Flexible Mindset and Strategy to Bring New Products Under the Mill Roof | Doug Carter , <i>Kamin, LLC</i> |
| C3.5 Development of Corrugated Board Surfaces Suitable for Water Intensive Printing | Per Svending , <i>FiberLean Technologies Ltd.</i> |

1:30 pm - 3:00 pm

Room 217D

C4 - Coating Operations Success Stories

Session Chair: **Martti Tuomisto**, *Advanced Dynamics*

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| C4.1 Spray Applications for Paper and Board Surface Treatment | Pemo Klimczak & Patrick Sundholm , <i>PMP</i> |
| C4.2 Further Development of the Curtain Coater Combining Best Coverage With an Easy and Safe Operation | Martin Schmid , <i>Voith Paper</i> |
| C4.3 The Influence of Base Sheet and Coating Formulations on Print Mottle of Graphic Papers | Brian Scheller , <i>Verso</i> |
| C4.4 Energy Savings and Machine Speed Increase in Cartiera di Momo, Italy | Geert Dumortier , <i>Bekaert</i> |
| C4.5 Determining the Need and Benefit of Multizone Rolls in Calender Operations | Stefan Wilms , <i>Andritz Küsters</i> |

3:30 pm - 5:00 pm

Room 217D

C5 - Another Look Into Functional Coatings

Session Chair: **Fadi Chakar**, *Encapsys*

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| C5.1 PVOH Coatings to Achieve High Oxygen Barrier on Paper | Samuel Michel , <i>Kuraray Europe GmbH</i> |
| C5.2 Improvement of Barrier Properties of Paper by Coating Carboxymethylated Cellulose Nanofibrils | Heetae Park , <i>Seoul National University</i> |
| C5.3 High-speed Manufacturing of Antimicrobial Paper | Martti Toivakka , <i>Åbo Akademi University</i> |

Wednesday, April 18th

8:00 am - 10:00 am

Room 217D

C6 - Innovations in Coating Pigments

Session Chair: **Prakash Malla**, *Thiele Kaolin*

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| C6.1 Innovations in Kaolin | Chris Boothby , <i>IMERYS</i> |
| C6.2 New Horizons for Calcium Carbonate | Tim Bradley , <i>Omya</i> |
| C6.3 New Insights into the Technology and Market of TiO ₂ Pigment | David Burdette , <i>Allegiance Chemicals, LLC</i> & Alain Cagnard , <i>Kronos Worldwide, Inc</i> |
| C6.4 Synthetic Plastic Pigments | Brian Einsla , <i>Dow Chemicals</i> ; John Roper , <i>Consultant</i> ; Femi Kotoye , <i>Trinseo, LLC</i> |
| C6.5 A Comparison of Synthetic Amorphous Silica (SAS) Paper Pigments and Introduction of a Novel Sub-Micron Precipitated Silica for Glossy High Speed Ink Jet Media | Michael Darsillo , Uwe Schachtely , & Stefan Scharfe , <i>Evonik Corporation</i> |
| C6.6 Calcined Clay: An Effective Alternative to TiO ₂ in Paper and Board | Prakash B. Malla , <i>Thiele Kaolin</i> & Dan Ma , <i>Kamin, LLC</i> |

10:30 am - 12:00 pm

Room 217D

C7 - Innovations for Enhanced Production Digital Printing

Session Chair: **Jim Niemiec**, *Verso*

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| C7.1 Improving the Inkjet Printability of Folding Boxboard | Peter Dahlvik , <i>Omya International AG</i> |
| C7.2 Novel Approaches to Paper Surface Treatment for High-Speed Inkjet Production Printing | Lokendra Pal , <i>North Carolina State University</i> |
| C7.3 A New Mechanism for Enhancing Adhesion of Electrophotographic Printing with Liquid Toner | Daniel Varnell , <i>Solenis</i> |

1:30 pm - 3:00 pm

Room 217D

C8 - Optimization of Coating Applications

Session Chair: **Greg Welsch**, *Trinseo, LLC*

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| C8.1 A New Model and approach for Optimizing Barrier Properties in Paper Coatings and Extruded Films | Doug Carter , <i>KaMin LLC</i> |
| C8.2 Optimization of Coating with Water Based Barriers | Tom Larsson , <i>UMV Coating System</i> |
| C8.3 Microencapsulation – Enabler for Future Coatings | Fadi Chakar , <i>Encapsys</i> |