

Papermaking Program
(subject to change)

Monday, April 23

11:45 am - 1:00 pm

Papermakers Committee (open to all)

Papermaking Additives Committee Meeting and Session Kickoff (open to all)

1:30 pm - 3:00 pm

PB1 - Inside & Outside of the Box Kick-Off

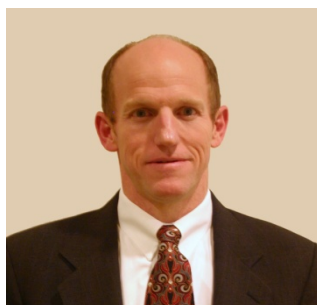
Session Chair: **Jeffrey R. Reese**, *International Paper*

Keynote:

"The Turnaround at Longview"



Brian Peterson,
Containerboard Team
Leader



Paul Duncan,
Mill Manager

Roundtable Discussion

PQ1 - Advancements in Stock System Additives I

Session Chair: **Michael Von Grumbkow**, *Voith Paper*

"Investigation of Retention Aid Polymer Degradation on a Pilot Scale Flow Loop"

Paul Krochak, *Innventia AB*

"The Effect Of Sequential Polymer Addition On Wet And Dry Web Mechanical Characteristics: Laboratory And Semi-Pilot Studies"

Janne Kataja-Aho, *VTT Technical Research Centre of Finland*

"Paper and Board Mill Profits from Mixing Starch and Filler Simultaneously Close to the Headbox"

Jouni P. Matula, *Wetend Technologies Ltd.*

3:30 pm - 5:00 pm

PB2 - Keys to Success - Panel Discussion of Paperboard Papermakers

Session Chair: **Jeffrey R. Reese**, *International Paper*

Panelists:

Brad Bowman, *Longview Fibre*

Max Crown, *RockTenn Coshocton*

Harrison Watson, *RockTenn Florence*

PQ2 -Advancements in Stock System Additives II

Session Chair: **Lawrence S. Anker**, *Ashland Hercules Water Technologies*

"Best-in-Class Mixing Technology Takes State-of-the-Art Retention and Drainage Program to New Levels of Efficiency and Performance"

Mark J. Zempel, *Eka Chemicals Inc.*

Dan J. Pernsteiner, *EKA Chemicals Ltd.*

Mixing Panel

Panelists:

John Caster, *Buckman*

Jack Block, *Ashland Water Technologies*

Darren Swales, *Kemira*

Tuesday, April 24

8:00 am - 10:00 am

PB3 - Optimizing Containerboard Pressing-Panel Discussion

Session Chair: **Richard A. Reese**, *Dick Reese and Associates Inc.*

Panelists:

Frank X. Swietlik, *Metso Paper*

David C. Burton, *AstenJohnson*

Steve Spencer, *Albany International*

Jerry Vadoros, *Kadant*

PQ3 - Fluid Mechanics of Fibrous and Nano-fibrous Suspensions

Session Chair: **Bandaru V. Ramarao**, *State University of New York*

"Processability of Microfibrillated Cellulose"

Juha Salmela, *VTT Technical Research Centre of Finland*

"Optimization of Paper Machine Initial Dewatering"

Juha Salmela, *VTT Technical Research Centre of Finland*

"Experiences of New Shoe and Blade Type Initial Dewatering on Water Removal Efficiency and on Paper Quality on a Full Scale Production Machine"

Jukka Muhonen, *Metso Paper*

Ari Puurtinen, *Metso Paper*

"Characterizing the Drainage and Filtration of Pulp and Microfibrillar Suspensions"

Bandaru V. Ramarao, *State University of New York*

10:30 am - 12:00 pm

PB4 - Strength Additives: Lighter, Stronger, Faster

Session Chair: **Darren K. Swales**, *Kemira Chemicals*

"Next Generation of Dry Strength Additives for Packaging Grades"

Rosy M. Covarrubias, *Buckman.*

Daniel E. Glover, *Buckman.*

"Enhancement of Dry Strength in High Performance Linerboard Using a Dual Additive Approach"

Michael R. St. John, *Nalco Company*

"The Effects of Guar Gum on Wet Web Runnability – Laboratory and Pilot-Scale Studies"

Kristian Erik Salminen, *VTT Technical Research Centre of Finland*

PQ4 - Fundamental Analysis of Fluid Mechanics for Forming

Session Chair: **Claes Holmqvist**, *JohnsonFoil*s

"Characterization of the Mixing in the Headbox Jet"

Daniel L. Soderberg, *Innventia AB*

Claes Holmqvist, *JohnsonFoil*s

Fredrik Rosen, *Innventia AB*

"Numerical Simulation of Sheet Forming in Paper Machines"

Bandaru V. Ramarao, *State University of New York*

Kapil M. Singh, *International Paper*

"The Effect of Non-woven Base on Press Felt Properties and Dewatering"

John Xu, *AstenJohnson*

12:00 pm - 1:30 pm

Fluid Mechanics Committee (open to all)

1:30 pm - 3:00 pm

PB5 - Mineral Oil Migration From Food Packaging Grades-Panel Discussion

Session Chair: **Frank J. Sutman**, *Ashland Water Technologies*

Panelists:

Anne Goldsmith, *Calumet Specialty Lubricants*

Norm Harbin, *FlintGroup*

Deju Koziol, *FlintGroup*

Paul Noe, *AFPA*

PQ5 -Optimizing Your Fiber Through Effective Refiner Control

Session Chair: **Jonathan C. Kerr**, *Miami University*

"Experimental Study of No-load Power in Low Consistency Refiners"

Nina Rajabinasab, *University of British Columbia*

Jens Heymer, *University of British Columbia*

Mark Martinez, *University of British Columbia*

"Optimal Fibre Development and Energy Saving During Refining of High Kappa Softwood Chemical Pulp for Kraft Linerboard Products in a Fully Closed Mill"

Ajit Kumar Ghosh, PhD, *Visy Pulp and Paper Tumut*

"Refining Case Study: Using Improved Refiner Control to Increase Pulp Quality and Paper Machine Performance"

Christopher L. Demler, *Kadant Black Clawson Inc.*

3:30 pm - 5:00 pm

P6 - Papermakers, PIMA and Papermaking Additives Roundtable

Session Chair: **John A. Neun**, *Albany International*

Session Chair: **Paul Fredrickson**, *AstenJohnson*

Wednesday, April 25

8:00 am - 10:00 am

PB7 - Forming Innovations

Session Chair: **Scott B. Pantaleo**, *International Paper*

Session Chair: **Jimmy H. Jong**, *FPIInnovations (Paprican)*

"Fourdrinier Tables with Adjustable Drainage Elements"

Jay A. Shands, *Johnson Foils*

"Different Approaches on Fourdrinier Dewatering: What is the Most Suitable Strategy?"

Juan Carlos Cecchini, *Metso Paper Inc.*

Ari Puurtinen, *Metso Paper*

"Impact of the Fully Adjustable Fourdrinier Sheet Forming Zone on Paper Quality and Paper Machine Productivity"

Andy Forester, IBS of America Corporation

"Improved Efficiency with the DuoFormer D II"

Thomas R. Kast, Voith Paper

PQ7 - Enhancing Fiber Quality and Control

Session Chair: **Leslie McClain**, Imerys

"ETMP – A New Approach in Mechanical Pulp Manufacture"

Harald G. Grossmann, Dresden University of Technology

"Advancements in Papermaking– New Technologies and Processes that are Revolutionizing the Industry"

Ian Lifshitz, Asia Pulp & Paper

"Maintaining Environmental Quality:

Fiber Characterization as a Tool for Verifying Pulp Fiber Composition"

Sri Nugroho Marsoem, Gadjah Mada University

"Challenges and Demands Towards Higher Filler Levels in White Top Liner and Fine Paper"

Mark J. Zempel, Eka Chemicals Inc.

10:30 am - 12:00 pm

PB8 - Papermaking Success Stories

Session Chair: **Philip H. Wells**, Wells Enterprises Inc.

"Training Success Story: Longview Fibre Paper and Packaging, Inc."

Bruce Warrick, Longview Fibre

"Improving OME on Packaging Machines using Modern Press Fabric Technology - Case Studies"

Richard M. Phillips, AstenJohnson

"Making it with Less (Equipment, Energy, Water and Other Stuff)"

Douglas F. Sweet, P.E., Doug Sweet & Associates

"Rebuild of #3 Machine at Rock Tenn Solvay"

Fred Lundy, Rock Tenn Corp

PQ8 - Deposit Control

Session Chair: **Rosy M. Covarrubias**, Buckman.

"The Management of Hydrophobic Particle Size for Improved Paper Machine Wet End Stability"

Mari Zabihian, Kemira Oyj

Christopher M. Lewis, Kemira Chemicals Inc.

"How Management of Mill Process Water Impacts Colloidal Stability"

R. Daniel Haynes, Sr., EKA Chemicals Inc.

TBD

12:00 pm - 1:30 pm

Water Removal Committee (open to all)

Microbiology and Microbial Technology Committee (open to all)

1:30 pm - 3:00 pm

PB9 - Packaging Paper Machine Innovations

Session Chair: **Pekka Kormano**, *Deublin Steam Systems*

"Optimizing Wet End Chemistry for Step-Change Performance in Recycled Containerboard Systems"

Brian Atherr, *Ashland Hercules Water Technologies*

"Excellent Runnability and Ropeless Tail Threading

by EV Drying Section Optimization in Kraft Liner Mill in Austria"

Suvi Mynttinen, *EV Group Oy*

"Utilizing High Pressure Modular Cleaning to Maximize Sheet Quality and Coating Efficiency"

Pat Boucher, *Kadant Solutions*

PQ9 - Advances in Microbiological Control

Session Chair: **Linda R. Robertson**, *International Microbial Associates Inc.*

"Novel Method for Creating Biocides from Process Waters"

Jani Kiuru, *VTT Technical Research Centre of Finland*

Atsushi Tanaka, *VTT Technical Research Centre of Finland*

"The Use of On-line Monitoring Tools and Advanced Analytical Techniques to Optimize Biocontrol Treatment Strategies for Papermaking Systems"

Michael J. Ancona, *Nalco Company*

TBD

3:30 pm - 5:00 pm

P10 - Papermaking Track Summary and Wrap-up

Session Chair: **Darren K. Swales**, *Kemira Chemicals*

Session Chair: **Jeffrey R. Reese**, *International Paper*