

## Program Details

(Subject to Change)

PaperCon General Session
PIMA - Management IT, Reliability
TAPPI Coating and Graphic Arts
TAPPI Papermaking - Improving Paper Machine Efficiency
TAPPI Papermaking - Innovations
TAPPI Papermaking - Quality and Process Control

Sunday, May 4, 2008	
4:00-5:30pm	<b>1 - Welcome, Coating &amp; Graphic Arts Awards and Keynote Address</b> <b>Glen Hopkins</b> , Vice President and General Manager, Printing and Technology Platforms, Hewlett-Packard <i>(hosted by the TAPPI Coating and Graphic Arts Division)</i>
Monday, May 5, 2008	
8:00-9:30am	<b>2 - Opening Session and Keynote Address</b> <b>Gary C. Kelly</b> , CEO and Vice Chairman of the Board, Southwest Airlines <i>(hosted by PIMA)</i>
9:45-11:30	<b>3 - Executive Panel Discussion</b> Session Moderator: <b>Lee Bingham</b> , President and COO, Marcal Paper <i>Confirmed participants:</i> <b>Simon Davies</b> , President, Harmon Associates <b>Hannu Melarti</b> , President, Kemira Pulp and Paper, North America <b>George Weyerhaeuser, Jr.</b> , Senior Fellow, World Business Council on Sustainable Development
11:30am-1:00pm	<b>5 - Calendering CIG Lunch and Learn</b> Session Chair: <b>Mark Sorenson</b> , Andritz Kusters
11:30am-1:00pm	<b>6 - Coating Materials CIG Lunch and Learn</b> Session Chair: <b>Femi Kotoye</b> , Dow Chemical
11:30am-1:00pm	<b>4 - Coating Fundamentals CIG Lunch and Learn</b> Session Chair: <b>David Vidal</b> , FPInnovations
1:30-3:30 pm	<b>11 - Voice of the Customer</b> Session Moderator: <b>Peter Gaddie</b> , Nalco Panelists: <b>Tom Raterman</b> , Packaging Innovation Manager, Kroger <b>Ken Nagele</b> , Senior Procurement Agent, JCPenney.
1:30-3:30 pm	<b>10 - NASCAR Racing: A Model for Equipment Reliability &amp; Teamwork</b> Speaker: <b>Bob Williamson</b> , Strategic Work Systems
1:00-3:00pm	<b>9 - Improving Paper Machine Efficiency - Kick-off and Roundtable</b> Session Chair: <b>Jeff Reese</b> , International Paper 9.1 <i>Paper Machine Efficiency Surveys</i> , <b>Greg E. Going</b> , Metso Paper 9.2 <i>Paper Mill Performance: From Ear Plugs to Control Rooms?</i> <b>Douglas Sweet</b> , Doug Sweet & Associates 9.3 <i>Roundtable</i> (Moderator: <b>Jeff Reese</b> , International Paper)
1:00-3:00pm	<b>8 - Papermaking Innovations: Kick-Off and Panel Discussion</b> Session Chair: <b>Michael Kocurek</b> , North Carolina State University 8.1 <i>Innovation Model Improves Benefits for Developers and Users</i> , <b>Ben Thorp</b> , Flambeau River Biorefinery 8.2 <i>Transformative Technologies for Pulp and Paper Products</i> , <b>Ivan I. Pikulik</b> , FPInnovations (Paprican) 8.3 <i>Innovations in Packaging</i> , <b>David Turpin</b> , MeadWestvaco 8.4 Panel Discussion – Panelists: <b>Ben Thorp</b> , Flambeau River Biorefinery <b>Ivan I. Pikulik</b> , FPInnovations (Paprican) <b>David Turpin</b> , Mead Westvaco <b>Martin Hubbe</b> , NCSU
1:00-3:00pm	<b>7 - Headbox Hydrodynamics</b> Session Chair: <b>Jimmy Jong</b> , FPInnovations (Paprican) 7.1 Paper Withdrawn 7.2 <i>Advances in Design of Elastic Guiding Vanes Used in Traditional and Stratified Headboxes</i> , <b>Mehran Parsheh</b> , University of Minnesota; <b>Anders Dahlkild</b> , KTH; <b>Cyrus Aidun</b> , Georgia Institute of Technology 7.3 <i>The Effect of Turbulent Flow on Fiber Orientation in the Converging Nozzle of a Headbox</i> , <b>Cyrus Aidun</b> , Georgia Institute of Technology 7.4 <i>Fibre Orientation in the Boundary Layers of a Planar Converging Channel</i> , <b>Allan Carlsson</b> , KTH Mechanics; <b>Fredrick Lundell</b> , KTH; <b>Daniel Söderberg</b> , STFI-Packforsk

## Program Details

(Subject to Change)

PaperCon General Session
PIMA – Management IT, Reliability
TAPPI Coating and Graphic Arts
TAPPI Papermaking - Improving Paper Machine Efficiency
TAPPI Papermaking - Innovations
TAPPI Papermaking - Quality and Process Control

Monday, May 5, 2008	
1:30-3:00pm	<b>12 - Coating Process Development</b> Session Chair: <b>Detlev Glittenberg</b> , Cargill Industrial Starches 12.1 <i>New Calendering and Coating Tools to Improve Coated Fine Paper Quality</i> , <b>Henri Vaittinen, Stig Renvall, Jouni Haavisto</b> , Metso 12.2 <i>Parameters Influencing Flexo Printing on White Top Liner Board</i> , <b>Peter Burri, Cathy Ridgway, Joachim Schoelkopf</b> , Omya 12.3 <i>Development of Coated 100% Recycled Beverage Carrier for Corona Beer</i> , <b>Jose Felix</b> , Rocha Echeverria Grupo Gondi; <b>Keith Cockerline, Richard Gagnon</b> , DuPont Soy Polymers; <b>Paul Capano</b> , DuPont Titanium Technologies
1:30-3:00pm	<b>13 - ICC Profiling and its Applications</b> Session Chair: <b>Margaret Joyce</b> , Western Michigan University 13.1 <i>ICC Color Profiling Overview</i> , <b>Dr. Abhay Sharma</b> , Ryerson University 13.2 <i>Paper is the Fifth Color in a Four Color Process</i> , <b>Trish Wales</b> , IDEAlliance 13.3 <i>The Effect of Paper Properties on Color Reproduction Capability for Gravure LWC Printing</i> , <b>Yu-Ju (Mandy) Wu, Alexandra Pekarovicova, Paul D. Fleming III</b> , Western Michigan University; <b>Mike Flickinger</b> , Omnova; <b>Michelle X. Wang</b> , Armstrong
3:30-5:00 pm	<b>15 – Nanotechnology - Opportunities and/or Threats</b> Session Moderator: <b>Jacquelyn-Danielle McNutt</b> , CPBIS Session participants: <b>Phil Jones</b> , Imerys <b>Ted Wegner</b> , USDA Forest Products Lab <b>Art Ragauskas</b> , IPST
3:30-5:00 pm	<b>17 – Session Cancelled</b>
3:30-5:00 pm	<b>18 - Biofuel Resource Management</b> Session Chair: <b>Steve Tremont</b> , CIBA Speakers: <b>Ben Thorp</b> – Flambeau River Biorefinery <b>Hemant Pendse</b> – University of Maine
3:30-5:00 pm	<b>19 - Best Practices for Sustainability in the Forest Products Industry</b> Speaker: <b>Dirk Claessens</b> , IBM
3:30-5:00pm	<b>16 - Improving Paper Machine Reliability</b> Session Chair: <b>Philip Wells</b> , Wells Enterprises Inc. 16.1 <i>The Partnership Organization</i> , <b>Christer Idhammar</b> , IDCON 16.2 <i>Don't Blame...Reduce Errors</i> , <b>Mark A. Latino</b> , Reliability Center 16.3 <i>Maintenance Outsourcing in the Paper Industry</i> , <b>Stephen J. Bentley</b> , Voith Industrial Services
3:30-5:00pm	<b>14 - Automation System Applications in Paper Mills</b> Session Chair: <b>Kerry Figiel</b> , International Paper 14.1 <i>Application of Multivariable Control Technique on Supercalenders</i> , <b>Andreas Zehnpfund, Jonas Berggren, Shih-Chin Chen</b> , ABB Germany 14.2 <i>Wet Press Measurement and Control Results</i> , <b>Ross MacHattie, Paul Baker, Bob Vyse</b> , Honeywell 14.3 <i>Application of Cross Directional Multivariable Predictive Control to Linerboard Machines</i> , <b>Amor Lahouaoula, Robert N. Vyse, Thomas H. Steele</b> , JU Backstrom
3:30-5:00pm	<b>20 - Impact of Coating Materials on Color Gamut</b> Session Chair: <b>Bob Hardy</b> , KaMin, LLC 20.1 <i>Effect of Coated Pigment Choice on Printed Color Gamut</i> , <b>Juha Saari, Janne Laine, VTT; Ken Mueller</b> , Specialty Minerals; <b>Amy Dimmick</b> 20.2 <i>Practical ICC Profiling for Sheet-fed Printing</i> , <b>Abhay Sharma, Scott Millwood</b> , Ryerson University; <b>Daniel Dejan, Joe Isaak</b> , Sappi Fine Paper 20.3 <i>The Relationship Between Pigment Properties, Paper Structure and the Show-Through of Printed Colour</i> , <b>Anthony Hiorns</b> , Imerys

## Program Details

(Subject to Change)

Yellow	PaperCon General Session
White	PIMA - Management IT, Reliability
Purple	TAPPI Coating and Graphic Arts
Green	TAPPI Papermaking - Improving Paper Machine Efficiency
Red	TAPPI Papermaking - Innovations
Light Green	TAPPI Papermaking - Quality and Process Control

3:30-5:00pm	<p><b>21 - Advances in Digital Printing</b>                  Session Chair: <b>Chuck Klass</b>, Klass Associates                  Panelists:  <b>Bill Garno</b>, Rochester Institute of Technology  <b>David Hatfield</b>, Eastman Kodak  <b>J.P. Niemiec</b>, NewPage  <b>John Stoffel</b>, Hewlett Packard</p>
<b>Tuesday, May 6, 2008</b>	
6:30-8:00 am	<p><b>Metso TechQuest Seminar – Coating</b>                  (invitation only)</p>
6:45-8:00 am	<p><b>PaperCon Hot Topics Breakfast</b>                  (organized by TAPPI Paper &amp; Board Division)  <b>Topic – Efficiency</b>  <i>Improving Paper Machine Efficiency</i> – <b>Jeff R. Reese</b>, International Paper  <i>Improving Paper Machine Energy Efficiency</i> – <b>Dick Reese</b>, Dick Reese and Associates  <i>Improving Press Section Efficiency</i> – <b>John Neun</b>, Albany International  <b>Topic – Innovations</b>  <i>Improving Process Control</i> – <b>Keith Masters</b>, ABB  <i>New Wet End Technology</i> – <b>Frank Swietlik</b>, Metso  <i>Innovations in the Pulp and Paper Industry</i> - <b>Ivan I. Pikulik</b>, Paprican  <b>Topic – Quality</b>  <i>Improving Wet End Chemistry</i> – <b>Brine Ranson</b>, Hercules  <i>Formation / Sheet Quality</i> – <b>Bob Kinstrey</b>, Jacobs  <i>Depository Control</i> – <b>Dr. Janet Woodward</b>, <b>Rob Cooper</b>, Buckman</p>
8:30-10:00 am	<p><b>22 – Session Cancelled</b></p>
8:00-10:00 am	<p><b>25 - Camera / Imaging Systems</b>                  Session Chair: <b>Gary Nyman</b>, International Paper                  25.1 <i>Improving Papermaking and Coating Efficiency with Web Inspection Cameras</i>, <b>Kari K. Hilden</b>, Papertech Inc.                  25.2 Panel Discussion – Panelists:  <b>Kari Hilden</b>, Papertech  <b>Brian Mock</b>, Event Capture Systems  <b>Mikko Ruuska</b>, Viconsys</p>
8:00-10:00 am	<p><b>26 - How Chemistry Can Improve Machine Efficiency</b>                  Session Chair: <b>Frank Sutman</b>, Hercules Paper Technologies &amp; Ventures                  26.1 <i>Improving Paper Machine Efficiency and Productivity Through Novel Chemistry</i>, <b>Michael O'Byrne</b>, Hercules                  26.2 <i>Water Release from Fractionated Stock Suspensions</i>, <b>Cedric A. Cole</b>, <b>Martin A. Hubbe</b>, and <b>John A. Heitmann</b>, North Carolina State University                  26.3 <i>Effects of Selective Addition of Papermaking Chemicals to Fines and Long Fibres on Strength and Runnability of Wet Paper</i>, <b>Kristian Salminen</b>, <b>E. Retulainen</b>, <b>S. Haavisto</b>, VTT; <b>J. Cecchini</b>, Metso                  26.4 <i>Application of Enzymatic Technologies for Improving Product Quality, Mill Efficiency and Production Cost Savings</i>, <b>Xiang Wang</b>, <b>Chengliang Jiang</b>, <b>Jianhua Ma</b>, Enzymatic Deinking Technologies</p>

## Program Details

(Subject to Change)

	PaperCon General Session
	PIMA – Management IT, Reliability
	TAPPI Coating and Graphic Arts
	TAPPI Papermaking - Improving Paper Machine Efficiency
	TAPPI Papermaking - Innovations
	TAPPI Papermaking - Quality and Process Control

8:00-10:00 am	<p><b>24 - Clothing Innovations</b>                  Session Chair: <b>John Neun</b>, Albany International</p> <p>24.1 <i>Advanced Innovative Fabric Materials for the Paper Machine Clothing</i>, <b>Matthias Schmitt, Heping Zhang, Juergen Abraham</b>, Voith Paper Fabrics</p> <p>24.2 <i>Efficiency Improvements Through the Use of Warp Exchange Technology</i>, <b>Blake Hender</b>, Voith Paper Fabrics</p>
8:00-10:00 am	<p><b>23 - 3D Fiber Orientation Measurement Techniques and Sheet Structure</b>                  Session Chair: <b>Daniel Sze</b>, Voith Paper</p> <p>23.1 <i>Estimation of Fiber Segment Orientation Using Steerable Filters</i>, <b>Fredrik Rosen, Daniel Söderberg, Marco F.C. Lucisano, Catherine Östlund</b>, STFI-Packforsk</p> <p>23.2 <i>Experimental Study of the Forming Process: Fluid Velocity and Fluid-Fiber Interaction Measurements</i>, <b>Gabriele Bellani, Fredrik Lundell</b>, KTH Mechanics; <b>L. Daniel Söderberg</b>, STFI Packforsk</p> <p>23.3 <i>Relationship of 3-D Structure of Pore Space to Manufacturing Process and Properties of Paper and Wood Fiber-Based Materials</i>, <b>Bandaru V. Ramarao, S. Lavrykov, S.K. Singh</b>, State University of New York; <b>S. Ramaswamy</b>, University of Minnesota</p> <p>23.4 <i>Measurement of Structural Properties of Coated Paper by X-Ray Microtomography</i>, <b>Cyrus Aidun</b>, Georgia Institute of Technology; <b>Yusuke Kondo</b>, Nippon Paper</p>
8:30-10:00 am	<p><b>27 - Fountain Solution Interaction</b>                  Session Chair: <b>Jim Niemiec</b>, NewPage</p> <p>27.1 <i>The Measurement and Analysis of the Distribution of Fountain Solution in Kaolin and Calcium Carbonate Containing Coatings</i>, <b>Janet Preston, J.C. Husband, Imerys; N. Norouzi, D. Blair</b>, University of Edinburgh; <b>P.J. Heard</b>, University of Bristol</p> <p>27.2 <i>To Analyze the Influence of Different IPA Percentages on Print Quality in Offset Printing</i>, <b>Madhura Mahajan, Anita Nerkar, Umesh Kagade</b>, Pune Vidyarthi Griha's College of Engineering and Technology; <b>Vijay Kumar Patharkar, Vijay Patil</b>, Ballapur Industries Limited (BILT)</p> <p>27.3 <i>Fountain Solutions – Basic Principles and Trends</i>, <b>Vic Lewis</b>, Prisco</p>
8:30-10:00 am	<p><b>28 - Coating Characterization</b>                  Session Chair: <b>Prakash Malla</b>, Thiele Kaolin Company</p> <p>28.1 <i>The Influence of Coating Rheology on Blade Forces Measured with a Laboratory Blade Device</i>, <b>Tamijiro Kaneyuki</b>, Nippon Paper; <b>Douglas Bousfield</b>, University of Maine</p> <p>28.2 <i>Elastica Stiffness and Low Load Indentation Measurements for the Mechanical Properties of Coated Papers</i>, <b>Robert Rioux</b>, University of Maine; <b>Nick Triantafillopoulos</b>, RohmNova; <b>Douglas Bousfield</b>, University of Maine</p> <p>28.3 <i>Effect of Latex and Pigment Volume Concentrations on Suspension and Consolidated Particle Packing and Coating Strength</i>, <b>Cathy Ridgway, Patrick A.C. Gane</b>, Omya</p>
10:30am-12:00pm	<p><b>29 – Panel Discussion: Labor Relations for a Sustainable Future</b>                  Session Chair: <b>Roger Smith</b>, Domtar                  Speaker:  <b>Bill Peterson</b>, Fraser Papers</p>
10:30am-12:00pm	<p><b>30 - Business Intelligence for Forest Products: Best Practices</b>                  Speakers:  <b>Ryan Buma</b>, Ascentium  <b>Ike Andrews</b>, Pottlatch</p>
10:30am-12:00pm	<p><b>31 – Utilizing Root Cause Analysis for Process Related Issues</b>                  Speaker: <b>Ken Latino</b>, Reliability Center</p>

## Program Details

(Subject to Change)

	PaperCon General Session
	PIMA – Management IT, Reliability
	TAPPI Coating and Graphic Arts
	TAPPI Papermaking - Improving Paper Machine Efficiency
	TAPPI Papermaking - Innovations
	TAPPI Papermaking - Quality and Process Control

10:30am-12:00pm	<p><b>37 - Coating / Fiber Balance</b>                  Session Chair: <b>Al Osgood</b>, Sappi Fine Paper N.A.</p> <p>37.1 <i>Metered Size Press Pigmentation for Fiber Reduction</i>, <b>Roger Wygant</b>, Imerys; <b>Joel Kendrick, Jan Walter</b>, Western Michigan University</p> <p>37.2 <i>Cost Saving Concept for Production of High Quality Single and Double Coated Papers- Part I: Single Blade and Film Coat-Blade Systems</i>, <b>Greg Welsch</b>, Dow Chemical; <b>Peter Dahlvik, Guillermo Bluvol</b>, OMYA International AG; <b>Alexander Hipp, Pekka Salminen</b>, Dow Europe S.A.</p> <p>37.3 <i>Combined Modeling and Experimental Studies to Optimize the Balance Between Fold Crack Resistance and Stiffness for Multilayer Coatings</i>, <b>John Roper</b>, Dow Chemical; <b>Roger Carlsson</b>, Iggesund Paperboard AB; <b>Pekka Salminen, Stefan Sandas</b>, Dow Europe S.A.; <b>Martti Toivakka, Parvez Alam</b>, Åbo Akademi</p>
10:30am-12:00pm	<p><b>36 – Coating and Ink Interactions</b>                  Session Chair: <b>Rick Gagnon</b>, DuPont Soy Polymers</p> <p>36.1 <i>A Novel Coating Formulation for Silica Inkjet Layer Coatings</i>, <b>Patricia Wild, Ylva Wildlock, Kjell Andersson, Erik Lindgren</b>, Eka Chemicals</p> <p>36.2 <i>Making Subjective Assessments Objective - A Mottle Ruler for Calibration of Panel Assessments of Perceived Print Mottle</i>, <b>Siv Lindberg</b>, STFI; <b>C-M Fahlcrantz</b>, STFI-Packforsk; <b>G. Forsgren</b>, Iggesund Paperboard</p> <p>36.3 <i>Use of Confocal Laser Scanning Microscopy and Computer Model to Understand Ink Cavitation and Filamentation</i>, <b>Hannah Koivula</b>, Åbo Akademi University and University of Maine; <b>Douglas Bousfield</b>, University of Maine; <b>Martti Toivakka</b>, Åbo Akademi University</p>
10:30am-12:00pm	<p><b>34 - Panel Discussion - Improving Paper Machine Efficiency</b>                  Session Chair: <b>Jeff Reese</b>, International Paper</p> <p>Panelists:  <b>Mike Garrick</b> - Voith Paper Fabrics  <b>Mike Lyles</b> - International Paper, Prattville, AL  <b>Steve Smith</b> - Domtar, Hawesville, KY  <b>Gary Nyman</b> - International Paper, Shanghai, China</p>
10:30am-12:00pm	<p><b>35 - Papermaking Additives Roundtable</b>                  Session Chair: <b>Lawrence S. Anker</b>, Ashland</p>
10:30am-12:00pm	<p><b>33 - State of the Art Equipment for Tissue, Paper, and Board</b>                  Session Chair: <b>Jim Atkins</b>, Atkins Inc.</p> <p>33.1 <i>Enter Metal Belt Calenders</i>, <b>Martti V. Tuomisto</b>, Metso Paper USA</p> <p>33.2 <i>Innovative Technology for Premium Tissue Production</i>, <b>Thomas Scherb, Roberto Zane</b> (presenter), Voith Paper</p> <p>33.3 <i>New Drying Technology for Higher Drying Rate and Improved Product Quality</i>, <b>Norbert Karner, Frank K. Herzog</b> (presenter), Voith Paper</p>
10:30am-12:00pm	<p><b>32 - Fiber Orientation Measurement and Control</b>                  Session Chair: <b>Shih-Chin Chen</b>, ABB</p> <p>32.1 <i>New Automatic Control System for Fiber Orientation and Improvement of the Quality of Copy Paper</i>, <b>Junji Yamamoto</b>, Nippon Paper Industries</p> <p>32.2 <i>Surface and Subsurface Fiber Orientation Angle Measurements in Three Office Papers</i>, <b>David W. Vahey, J.M. Considine</b>, Forest Products Laboratory</p> <p>32.3 <i>Closed-Loop Control of Fiber Orientation on Sheet-Making Processes</i>, <b>Shih-Chin Chen, Jonas Berggren, Andreas Zehnpfund</b>, ABB</p>

## Program Details

(Subject to Change)

PaperCon General Session
PIMA - Management IT, Reliability
TAPPI Coating and Graphic Arts
TAPPI Papermaking - Improving Paper Machine Efficiency
TAPPI Papermaking - Innovations
TAPPI Papermaking - Quality and Process Control

1:30-3:00 pm	<b>43 - Superintendents Roundtable</b> <i>(Presented by Couch Pit University)</i> Moderator: <b>Bill Kotarski</b> , Albany International Panelists: <b>Mike Griffith</b> , Georgia-Pacific, Rincon, GA <b>Randy Kimpfbeck</b> , Albany International <b>Jay Martin</b> , Graphic Packaging, Macon, GA <b>Nyle Parchim</b> , Consultant <b>Vic Proietti</b> , NewPage, Luke, MD <b>Roger Smith</b> , Domtar Kingsport, TN <b>Neal Tutor</b> , Temple Inland, Maysville, KY <b>Bill Weise</b> , Kapstone, Roanoke Rapids, NC
1:30-3:00 pm	<b>44 - Energy Management Using a Real Time Enterprise Infrastructure</b> Speaker: <b>Dave Stockford</b> , OSIssoft
1:30-3:00 pm	<b>45 - Reliability Partnerships</b> Speakers: <b>Steve Holms</b> , Georgia-Pacific <b>Christer Idhammar</b> , IDCON <b>George Munn</b> , G.P. Camas
1:00-3:00pm	<b>40 - Optimizing the Press Nip</b> Session Chair: <b>John Neun</b> , Albany International 40.1 <i>Press Nip Dewatering - Adjust or Re-Design?</i> , <b>Daniel Hedou</b> , AstenJohnson 40.2 <i>The Optimization of Press Dewatering and its Influence on Energy Savings?</i> , <b>Olli Kääpä</b> , Heimbach GmbH & Co. KG 40.3 <i>Improving Dewatering, Energy Usage, and Press Fabric Life by Optimizing the Nip System</i> , <b>David Buchanan</b> , Voith Paper Fabrics 40.4 <i>Continuous Nip Monitoring Systems</i> , <b>Eric J. Gustafson</b> , Stowe Woodward
1:00-3:00pm	<b>41 - How Deposit Control Can Improve Machine Efficiency</b> Session Chair: <b>Frank Sutman</b> , Hercules Paper Technologies & Ventures 41.1 <i>Novel Biocide Improves Paper Machine Cleanliness, Efficiency and Product Quality</i> , <b>James Anderson</b> , Hercules Inc. 41.2 <i>Improved Paper Machine Efficiency and Product Quality Through Online, Real-Time Monitoring and Control of Microbial Activity and Deposit Formation</i> , <b>Patrick J. Macuch</b> , <b>Laura E. Rice</b> , Nalco 41.3 <i>Improved Paper Machine Efficiency by Innovative Deposit Control Programs</i> , <b>Charlotta A. Kanto Öqvist</b> , Ashland 41.4 <i>Monitoring Colloidal Organics to Better Manage Deposit Runnability Issues</i> , <b>Danny Haynes</b> , Eka Chemicals; <b>Sujit Banerjee</b> , IPST
1:00-3:00pm	<b>39 - Use of Mechanical Pulp in Free Sheet Grades</b> Session Chair: <b>Xuejun Zou</b> , FPIInnovations (Paprican) 39.1 <i>Use of High-Yield Pulps in Freesheet - Current Trends and Issues in Papermaking and Digital Printing</i> , <b>Xuejun Zou</b> , FPIInnovations (Paprican) 39.2 Cancelled 39.3 <i>Characteristics of High Yield Pulp (HYP) and Their Effects on the Wet-end Chemistry of the Papermaking Process</i> , <b>Yonghao Ni</b> , <b>Zhibin He</b> , Limerick Pulp and Paper Centre, University of New Brunswick; <b>Yajun Zhou</b> , Tembec Inc. Canada

## Program Details

(Subject to Change)

PaperCon General Session
PIMA – Management, IT & Reliability
TAPPI Coating and Graphic Arts
TAPPI Papermaking - Improving Paper Machine Efficiency
TAPPI Papermaking – Innovations
TAPPI Papermaking - Quality and Process Control

Tuesday, May 6, 2008	
1:00-3:00pm	<b>38 - Recent Improvements to Grade Change Controls</b> Session Chair: <b>Kerry Figiel</b> , International Paper 38.1 <i>Nonlinear Multivariable Grade Change Control of Paper Machines</i> , <b>Johan Backstrom</b> , <b>Danlei Chu</b> , <b>Pezhman Nafassi</b> , <b>Paul Baker</b> , Honeywell; <b>Mattias Björklund</b> , Mondi Paper 38.2 <i>Increased Added Value Due to Modern Grade Change Controls</i> , <b>Rudolf Münch</b> , Voith Paper Automation 38.3 <i>Increasing Paper Machine Agility with a Novel Grade Change Concept</i> , <b>Dr. Dave W. Lang</b> , <b>Dr. Seyhan Nuyan</b> , Metso Automation 38.4 <i>Quantifying Paper Machine Transition Performance</i> , <b>Timothy Murphy</b> , <b>Kevin Starr</b> , <b>Pete Tran</b> , <b>Tim Mast</b> , ABB
1:00-3:00 pm	<b>42 - New Technology Showcase I</b> (organized by TAPPI Coating and Graphic Arts) Moderator: <b>Jane Schulenburg</b> , CP Kelco
3:30-5:00 pm	<b>46 - Rapid Organizational Transformation: Ten Years of Lessons Learned in 90 Minutes</b> Speakers: <b>Randal Karg</b> , <b>Don Pomraning</b> , <b>Dan Rivard</b> , Sinclair Group
3:30-5:00 pm	<b>47 - Optimizing Work Flow with your Computerized Maintenance Management System (CMMS)</b> Speakers: <b>Bruce Pease</b> , <b>Milton Shannon</b> , ABB, Mansfield, LA
3:30-5:00 pm	<b>50 - Improving Press Section Efficiency</b> Session Chair: <b>John Neun</b> , Albany International 50.1 <i>Press Rebuilds for Improved Pressing Efficiency</i> , <b>Marc Foulger</b> , <b>Denis Page</b> , GL&V 50.2 <i>Single Nip Presses and the Benefits of Innovative Press Fabric Designs</i> , <b>Mike Riffle</b> , Voith Paper Fabrics 50.3 <i>Improving Press Section Efficiency with Air Doctors</i> , <b>Jussi Lahtinen</b> , Runtech Systems 50.4 <i>Press Fabrics for Single Shoe Press: It's What's on the Inside That Counts</i> , <b>Guillaume Bernard</b> , <b>Keith Kemp</b> , AstenJohnson
3:30-5:00pm	<b>51 - Improving Microbiological Control - A Monograph Overview</b> Session Chair: <b>Phil Sweeny</b> , Lonza Panelists: <b>Linda Robertson</b> , International Microbial Associates <b>Janet Woodward</b> , Buckman <b>Terry Williams</b> , Rohm & Haas <b>Phil Pritchard</b> , Imerys <b>Scott Frasca</b> , RohmNova
3:30-5:00pm	<b>49 - Innovations for Higher Brightness</b> Session Chair: <b>Alex Koukoulas</b> , ANL Consultants 49.1 <i>Factors Affecting Paper's Appearance: A Review</i> , <b>Martin Hubbe</b> , <b>Joel Pawlak</b> , North Carolina State University; <b>Alex Koukoulas</b> , ANL Consultants 49.2 <i>An Innovative Approach to Brightness and Whiteness</i> , <b>Patricia Wild</b> , <b>Richard Urbantas</b> , Eka Chemicals 49.3 <i>Advances in Wet End Chemistry for High Bright Applications</i> , <b>Rosa M. Covarrubias</b> , <b>Gary A. Headrick</b> , Buckman Laboratories 49.4 <i>Optimizing Efficiency in Paper</i> , <b>Tony Hiorns</b> , <b>Phil Jones</b> , <b>Benny Hallam</b> , <b>Leslie McLain</b> , Imerys Minerals
3:30-5:00pm	<b>51 - New Technology Showcase II</b> (Organized by TAPPI Coating and Graphic Arts) Moderator: <b>Jane Schulenburg</b> , CP Kelco

## Program Details

(Subject to Change)

PaperCon General Session
PIMA – Management, IT, & Reliability
TAPPI Coating and Graphic Arts
TAPPI Papermaking - Improving Paper Machine Efficiency
TAPPI Papermaking – Innovations
TAPPI Papermaking - Quality and Process Control

Tuesday, May 6, 2008	
3:30-5:00pm	<p><b>48 - Forming Impact on Sheet Structure and Properties</b>                      Session Chairs: <b>Richard Kerekes</b>, RJK Consulting and <b>Scott Pantaleo</b>, Weyerhaeuser</p> <p>48.1 <i>Prediction of Wire Deflection and Activity Generation on Single Wire Machines</i>, <b>Vaughn Wildfong</b>, <b>Jay Shands</b>, <b>James Ronning</b>, Johnson Foils, Asten Johnson; <b>Doug Bousfield</b>, University of Maine</p> <p>48.2 <i>Evaluation of Gap Forming Rebuild Options, Part II: Development and Application of the Shoe Blade Former and Engineered Shear Management Concepts</i>, <b>V. J. Wildfong</b>, <b>Jay Shands</b>, <b>J.A. Ronning</b>, <b>M. Condon</b>, Johnson Foils; <b>J.H. Jong</b>, FPIinnovations - Paprican</p> <p>48.3 <i>A Novel System for Online Wet-End Web Monitoring</i>, <b>Daniel Söderberg</b>, <b>Claes Holmqvist</b>, STFI-Packforsk</p>
Wednesday, May 7, 2008	
6:30-8:00 am	<p><b>Metso TechQuest Seminar - Papermaking</b> (invitation only)</p>
8:00-10:00 am	<p><b>53 - State of the Industry</b>                      Moderator: <b>Jacquelyn-Danielle McNutt</b>, CPBIS                      Presenters:  <b>Raymond Royer</b>, President and CEO, Domtar  <b>Peter Ruschmeier</b>, Senior Vice President of Equity Research, Shearson Lehman</p>
8:00-10:00 am	<p><b>56 - Papermaking Roundtable</b>                      Session Chair: <b>Tom Rodencal</b>, Domtar</p>
8:00-10:00 am	<p><b>57 - Improving Efficiency of Paperboard and Lubrication Systems</b>                      Session Chair: <b>Mary Toney</b>, Albany International</p> <p>57.1 <i>Chemical Additives to Enhance Press Dewatering in Board Production</i>, <b>Paul Richardson</b>, <b>Michael St. John</b>, <b>James Chaves</b>, Nalco Company</p> <p>57.2 <i>Estimating the Incentive for Paperboard Machine Performance Improvement - Method Example and Order of Magnitude for Coated SBS Paperboard</i>, <b>James Snyder</b>, PaperboardPro</p> <p>57.3 <i>Controlling Water Contamination in Paper Mills: A Review</i>, <b>William Needelman</b>, Donaldson Company; <b>David Webb</b>, Industrial Hydraulics</p> <p>57.4 <i>Understanding and Addressing Varnish in Paper Machine Systems</i>, <b>Greg J. Livingstone</b>, <b>Doug J. Muennich</b>, CLEANOIL; <b>Mike Sellers</b>, Process Equipment; <b>Dave L. Wooton</b>, Wooton Consulting</p>
8:00-10:00am	<p><b>55 – Papermaking Materials Innovations</b>                      Session Chair: <b>Mike Strutz</b>, OMYA Inc.</p> <p>55.1 <i>Analysis of the Influence of Filler Loading and Grammage on Bonding</i>, <b>Kazunari Kamo</b>, Nippon Paper Industries; <b>William W. Sampson</b>, The University of Manchester</p> <p>55.2 <i>Surface Modified Calcium Carbonate for Blade Applied Inkjet Papers</i>, <b>Daniel H. Varney</b>, <b>George A. Saunders</b>, OMYA Inc.</p> <p>55.3 <i>Process Variables of Pulp Alkali Pretreatment</i>, <b>Jan X. Pekarovic</b>, <b>Vidit Kumar</b>, <b>Paul D. Fleming III</b>, <b>Matej Pekarovic</b>, Western Michigan University</p> <p>55.4 <i>Neem (Azadirachta indica) as Alternative Wood Fiber Source with Environmental Advantages and Medicinal Properties for Pulp and Paper Industries</i>, <b>Akhouris Sinha</b>, SLIET, Sangrur, Punjab, India</p>
8:00-10:00am	<p><b>54 - Fluid Interaction with Particles / Fibers in Headbox and Formers</b>                      Session Chairs: <b>Cyrus Aidun</b>, IPST @ Georgia Institute of Technology, and <b>Dewei Qi</b>, Western Michigan University</p> <p>54.1 <i>Unsteady Dynamics of Fiber Suspensions</i>, <b>Dewei Qi</b>, Western Michigan University</p> <p>54.2 <i>Direct Simulation of Fiber Suspension Using Lattice Boltzmann Method</i>, <b>Sheila Rezak</b>, <b>Jonathan Clausen</b>, <b>Cyrus K. Aidun</b>, Georgia Institute of Technology</p> <p>54.3 <i>Prediction of the Sheet Formation using Fibre Floc Evolution Model</i>, <b>Jari Hämäläinen</b>, <b>Tajja Hämäläinen</b>, University of Kuopio; <b>Jarmo Korpijärvi</b>, Numerola Oy</p>



## Program Details

(Subject to Change)

	PaperCon General Session
	PIMA – Management, IT, & Reliability
	TAPPI Coating and Graphic Arts
	TAPPI Papermaking - Improving Paper Machine Efficiency
	TAPPI Papermaking – Innovations
	TAPPI Papermaking - Quality and Process Control

Wednesday, May 7, 2008	
8:30-10:00am	<b>58 – Sustainability of Coating Materials – Opportunities and Targets</b> Session Chair: <b>Don Hiscock</b> , DuPont Soy Polymers Panelists: <b>John Roper</b> , Dow Chemical Company <b>Ashok Mishra</b> , Cargill Inc. <b>Phil Jones</b> , IMERYS <b>Ludo Schyvinck</b> , Minerals Technologies Europe NV <b>Christopher Bradlee</b> , BASF Corporation
8:30-10:00am	<b>59 - Water-Based Barrier Coatings</b> Session Chairs: <b>Femi Kotoye</b> , Dow Chemical, <b>Gordon Bugg</b> , Eka 59.1 <i>Barrier Coated Products – Challenges and Opportunities</i> , <b>Gavin Davies</b> , SAPPI 59.2 <i>Engineered Performance Pigments For Moisture Vapour Barrier Coatings</i> , <b>David Gittins</b> , <b>Hannah Howard</b> , <b>Paul Meizanis</b> , <b>Phil Jones</b> , <b>David Skuse</b> , <b>Tony Lyons</b> , Imerys 59.3 <i>Additives for Barrier Properties in Paper and Paperboard Coatings</i> , <b>Gordon Bugg</b> , Eka
10:30-12:00pm	<b>60 - Roundtable: Fiber Sustainability</b> Moderator: <b>Neil Samson</b> , Samson Group Panelists: <b>Alberto Goetzi</b> , Seneca Creek Associates <b>Chris Davidson</b> , International Paper <b>Jason Metnick</b> , Sustainable Forest Initiative
10:30-12:00pm	<b>61 - Roundtable: Sustainability and Energy Policy</b> Moderator: <b>Ben Thorp</b> , Flambeau River Biorefinery Panelists: <b>Jacquelyn-Danielle McNutt</b> , CPBIS <b>Marilyn Brown</b> , Georgia Tech
10:30-12:00pm	<b>62 - Mill Manager Roundtable: Reliability</b> Moderator: <b>Joe Konkell</b> , Converting Center of Excellence Reliability Leader, Georgia-Pacific, Green Bay Panelists: <b>Charlie Floyd</b> , Vice President, Mill Manager, Domtar, Kingsport, TN <b>Jeff Hamilton</b> , Corporate Director – Manufacturing Services, SAPPI, Muskegon, MI <b>Lisa McGregor</b> , President, Republic Paperboard, Lawton, OK <b>Tom Stigers</b> , Vice President, General Manager, Solvay Paperboard, Syracuse, NY <b>Carl Wright</b> , VP and GM Demopolis Mill, Rock-Tenn, Demopolis, AL
10:30-12:00pm	<b>65 - Improving Paper Machine Energy Efficiency</b> Session Chair: <b>Jeff Reese</b> , International Paper 65.1 <i>New Paper Machine Energy Scorecard System</i> , <b>Dick Reese</b> , Dick Reese and Associates. 65.2 <i>New Steambox Redefines Drying and Profiling Efficiency</i> , <b>Ankur Gupta</b> , <b>Seyhan Nuyan</b> , Metso Automation 65.3 <i>Application of a Steel Yankee in Tissue Mechanics</i> , <b>Jörg Bauböck</b> , Andritz AG
10:30-12:00pm	<b>66 - Maintenance Effects on Machine Efficiency</b> Session Chair: <b>Philip Wells</b> , Wells Enterprises Inc. 66.1 <i>Better Machine Performance Through Improved Roll Reliability</i> , <b>Jin H. Kim</b> , Voith Paper 66.2 <i>Design Modifications of Paper Machine Support Structures to Control Vibration</i> , <b>Michael J. Robichaud</b> , <b>Andrew K. Costain</b> , <b>Dale G. Eyre</b> , Bretech Engineering 66.3 <i>Utilizing PM and PdM Techniques to Maximize Machine Capacity</i> , <b>Chris Jackson</b> , Corrugated Services

## Program Details

(Subject to Change)

	PaperCon General Session
	PIMA - Management, IT, & Reliability
	TAPPI Coating and Graphic Arts
	TAPPI Papermaking - Improving Paper Machine Efficiency
	TAPPI Papermaking - Innovations
	TAPPI Papermaking - Quality and Process Control

Wednesday, May 7, 2008	
10:30-12:00pm	<b>64 - Hydrodynamic Innovations</b> Session Chair: <b>Rosy Covarrubias</b> , Buckman Laboratories 64.1 <i>A New Technique for Stratified Forming</i> , <b>Daniel Söderberg</b> , STFI & KTH Mechanics 64.2 <i>The Fundamental Mechanism Behind Headbox Jet Break-up</i> , <b>Daniel Söderberg</b> , STFI & KTH Mechanics; <b>Outi Tammisola</b> , KTH Mechanics
10:30-12:00pm	<b>63 - Process Control Techniques for Troubleshooting and Optimizing Paper Machine Assets</b> Session Chair: <b>Keith Masters</b> , ABB Panelists: <b>Michael Blades</b> - Emerson Process Management <b>Kerry Figiel</b> - International Paper <b>Ian Journeaux</b> - NewPage Corporation <b>Ross MacHattie</b> - Honeywell <b>Rudolf Muench</b> - Voith <b>Seyhan Nuyan</b> - Metso <b>Kevin Starr</b> - ABB
10:30-12:00pm	<b>67 - Rheology Tutorial</b> Session Chair: <b>Rajan Iyer</b> , Imerys 67.1 <i>Rheology Basics</i> , <b>Gina Paroline</b> , Anton Paar USA, Inc. 67.2 <i>Natural Rheology Modifiers</i> , <b>Detlef Glittenberg</b> , Cargill; <b>Don Hiscock</b> , DuPont Soy Polymeer 67.3 <i>Synthetic Rheology Modifiers</i> , <b>Derrick Burrell</b> , Alco
10:30-12:00pm	<b>68 - Coated Paper Trends in North America and Europe</b> Session Chair: <b>Juha Saari</b> , VTT 68.1 <i>Comparison Between North American and Imported Sheet Fed Offset Printing Papers</i> , <b>Andrew DeMaio</b> , <b>Femi Kotoye</b> , <b>David Smith</b> , <b>Shirley Muirhead</b> , Dow Chemical 68.2 <i>Cost Saving Concept for Production of High Quality Single and Double Coated Papers - Part II: Blade-blade Coating Systems</i> , <b>Guillermo Bluvol</b> , <b>Peter Dahlvik</b> , Omya 68.3 <i>Printing Development Trends</i> , <b>Jan-Erik Nordström</b> , StoraEnso
1:30-3:30 pm	<b>73 - Mill Manager Roundtable</b> Moderator: <b>Jeff Dutton</b> , Senior VP Operations and COO, Fraser Papers, Madawaska, ME Panelists: <b>Charlie Floyd</b> , Domtar Kingsport, TN <b>Jeff Hamilton</b> , SAPPI, Muskegon, MI <b>Lisa McGregor</b> , Republic Paperboard, Lawton, OK <b>Tom Stigers</b> , Solvay Paperboard, Syracuse, NY <b>Carl Wright</b> , Rock-Tenn, Demopolis, AL
1:30-3:00 pm	<b>74 - Competing in the 21st Century: Lean Six Sigma in the Paper Industry</b> Presenters: <b>Laurie Meister</b> , Deployment Leader - Wausau Paper <b>Bill Swisher</b> , Senior Consultant - Breakthrough Management Group
1:00-3:00 pm	<b>72 - Improving Dryer Section Runnability and Efficiency</b> Session Chair: <b>Ray Krumenacker</b> , Deublin Steam Systems 72.1 <i>Improving Dryer Section Runnability and Efficiency</i> , <b>David A. Young</b> , Enerquin Air 72.2 <i>"State-Of-The-Art" Developments in Dryer Section Runnability</i> , <b>Paul Rouhiainen</b> , Metso Paper; speaker: <b>Heikki Luoma</b> 72.3 <i>Active Dryer Control for Sheet Break Recovery</i> , <b>Kenneth C. Hill</b> , <b>David Vijh</b> , Kadant Johnson 72.4 <i>Steam and Condensate Systems: Considerations for Dryer Section Runnability</i> , <b>Pekka Kormanio</b> , Deublin Steam Systems

## Program Details (Subject to Change)

PaperCon General Session
PIMA - Management, IT, & Reliability
TAPPI Coating and Graphic Arts
TAPPI Papermaking - Improving Paper Machine Efficiency
TAPPI Papermaking - Innovations
TAPPI Papermaking - Quality and Process Control

Wednesday, May 7, 2008	
1:00-3:00 pm	<b>71 - Panel Discussion: Green Papermaking</b> Session Chair: <b>Alan Button</b> , Buttonwood Consulting Panelists: <b>Richard Osa</b> , STS Consultants <b>Joel Neuheimer</b> , Forest Products Association of Canada <b>Ben Thorp</b> presenting for <b>Bob Byrne</b> , Flambeau River Papers
1:00-3:00 pm	<b>69 - Data Mining Using Process Historians</b> Session Chair: <b>Ian Journeaux</b> , NewPage North America 69.1 <i>Turning Quality Data into Integrated Decision Data</i> , <b>Helga Evers</b> , <b>Elisa Jannasch</b> , Parsytec AG 69.2 <i>How to Perform Fast, Efficient and Reliable Data Analysis</i> , <b>Jarmo Kahala</b> , Savcor Forest Oy 69.3 <i>Data Mining using a Process Historian Based Real-time Infrastructure</i> , <b>David Stockford</b> , OSISoft 69.4 <i>Paper Machine Performance Improvement Through Multivariate Analysis of Historical Data</i> , <b>Jin Lou</b> , <b>Stephen Symons</b> , Matrikon; <b>Tim Shope</b> , AbitibiBowater
1:00-3:00pm	<b>70 - Wet End Former Troubleshooting and Optimization</b> Session Chairs: <b>Marc Foulger</b> , GL&V USA Inc., and <b>Joe Genco</b> , University of Maine 70.1 <i>Forming Section Water Handling Considerations</i> , <b>James Ronning</b> , Johnson Foils 70.2 <i>Vacuum Systems and Vacuum Dewatering Issues</i> , <b>Doug Sweet</b> , Doug Sweet & Associates 70.3 <i>Forming Fabric Cleaning and Mist Elimination/Trim Squirts</i> , <b>John Neun</b> , Albany International 70.4 <i>Wet End Instrumentation and Control</i> , <b>Kevin VanPembrook</b> , Metso Automation
3:30-5:00pm	<b>77 - Roundtable: Paper Machine Efficiency Wrap-up and Summary</b> Session Chair: <b>Jeff Reese</b> , International Paper
3:30-5:00pm	<b>76 - Heat Transfer Topics</b> Session Chair: <b>Ian Lang</b> , AstenJohnson 76.1 <i>Analysis of Condensate Behavior and its Impact on Drive Power Requirements</i> , <b>Gerald Timm</b> , <b>Mikeal D. Skelton</b> , <b>Gregory L. Wedel</b> , Kadant Johnson 76.2 <i>Heat and Moisture Transport in Paper Going Through A Hot Roll Nip</i> , <b>Bandaru Ramarao</b> , <b>Sergiy A. Lavrykov</b> , State University of New York 76.3 <i>Characteristics and Optimal Operation of the Paper Machine Heat Recovery Recuperator</i> , <b>Kalle Riihimäki</b> , Balance Engineering
3:30-5:00pm	<b>75 - Panel Discussion: Quality and Process Control Track Highlights</b> Session Chairs: <b>Jay Shands</b> , Johnson Foils and <b>Shih-Chin Chen</b> , ABB Inc. <i>Panelists being confirmed</i>