

TAPPI PLACE Conference 2012

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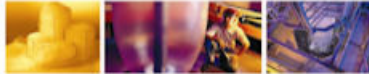
TAPPI PLACE 2012 Conference MAY 6 - 9, 2012



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PLACE

POLYMERS • LAMINATIONS • ADHESIVES • COATINGS • EXTRUSIONS



The Flexible Packaging & Converting Industry's Leading Resource



Session	Presenter	Title
Session 01: Sustainability		
Moderator: Beth M. Foederer , <i>Optex Process Solutions LLC</i>		
01-1	George Fickau , <i>Coating Excellence</i>	How to start a waste-to-landfill reduction program
01-2	George Fickau , <i>Coating Excellence</i>	Sustainability (Product for Purpose) &
01-3	Jeffrey J. Wooster , John Garnett , <i>Dow Chemical</i>	Sustainability Drivers for 2012 and Beyond
Session 02: Package Enhancement		
Moderator: James F. Macnamara , <i>Leprino Foods Company</i>		
02-1	Islem A. Yeza, PhD , <i>Cascades Inc.</i>	Paper-based Packaging - Functional and Sustainable Coating
02-2	Shyam Sablani , Sumeet Dhawan , <i>Washington State University</i>	Polymeric Based Packaging Materials for Advanced Food Processing Technologies (Presentation) (&
02-3	Thomas J. Dunn , <i>Flexpacknology LLC</i>	Good Manufacturing Practices for Manufacturing Food Contact Packaging \$ (Presentation) ,
Session 03: Blown Film Technologies		
Moderator: Scott B. Marks , <i>DuPont</i>		
03-1	Karen Xiao , <i>Brampton Engineering Inc.</i> ; Robert Armstrong , <i>EVAL Company of America</i>	Performance Comparison on Water-Quench versus Air Quench Blown Films , (Presentation) - ,
03-2	Steven Daniel Jonjak , <i>Premier Dies Corporation</i>	Blown Film Die : cf' Cdhja JnYX'DfcXi Wjcb cZ6UffYf': Ta g (Presentation) %-
03-3	Hector E. Marchand , <i>NDC Infrared Engineering</i>	Latest Developments in On-line Measurement of Complex Barrier Blown Film Structures \$ (Presentation) % (%

Session NTS: New Technology Showcase
Moderator: **Didem Deliormanli, PhD**, *Dow Chemical USA*

- NTS 1 **Peter Burggren**, *Wintriss Engineering Corp.* [Optical Surface Inspection with OPSIS 8000 CMOS Linear Cameras](#)
- NTS 2 **Derek M. Ford**, *SML Extrusion Technology* [New Extruder Concept for Thermally Sensitive Materials - HO-LT \(High Output - Lower Temperature\) Extruders](#)
- NTS 3 **Rebecca Kramer**, *Milliken & Company* [Dc`nYHmYbY`Bi WUj\]cb. `=a dfcj Y`DfcdYfh\]Yg H\fcj \[\ `Dc`ma Yf`A cfd\`c`c\[m`*****%` \(](#)
- NTS 4 **Andrew W. Christie**, *Optex Process Solutions LLC* [Pilot Coating System](#)*****%+ \$
- NTS 5 **Thomas Schwab**, *LyondellBasell* [Enhanced Polyethylene Resins for Flexible Packaging Applications](#)*****% +
- NTS 6 **Bruce W. Foster**, *Mica Corporation* [K \ Uhg`BYk `UhA \]WJ3`*****%- %](#)

Session 04: Resin Materials I
Moderator: **Norman D. Aubee**, *NOVA Chemicals*

- 04-1 **Cassie Ariel Cunningham**, *Dow Chemical USA* [New Low Density Polyethylene Products for Improved Throughput](#)*****%-)
- 04-2 **Matt Sonnycalb, Thomas Schwab**, *LyondellBasell Industries* [Expanding the Temperature Range of Polyolefin Films](#)*****&\$)

Session 05: Winding/Web Handling
Moderator: **Benjamin Prinsen**, *Macro Engineering & Tech.*

- 05-1A **R. Duane Smith**, *Davis-Standard Converting Systems* [: i \]XY`bYg`Zcf`K YV`7cbj YmUbW`UbX`K \]bX\]b\[`HYbg\]cb @Yj Y`g`*****&%](#)

[\(Presentation\)](#)*****&%
- 05-2 **James R. Harrison**, *Metal Improvement Co.* [Laser Preening Prevents Fatigue and Stress Related Corrosion Failures](#)*****&) &

Session 06: Resin Materials II
Moderator: **Norman D. Aubee**, *NOVA Chemicals*

- 06-1 **R. Scott Weber**, *LyondellBasell* [Extrusion Coating HDPE Barrier Laminating Film](#)*****&* (
- 06-2 **Norman D. Aubee**, *NOVA Chemicals* [Using Additional Layers in Co-extruded HDPE Films to Enhance Properties](#)*****&+ (

[\(Presentation\)](#)*****&, ,
- 06-3 **Sharon Wu, Rajen Patel**, *Dow Chemical*; **Lamy Jean Chopin, III**, *Dow Chemical USA* [A New High Clarity Peel Seal Resin](#)***** \$ \$

[\(Presentation\)](#)***** \$,
- 06-4 **Jose M. Torradas**, *DuPont Packaging* [Polymer Modifiers in Flexible Packaging](#)***** %

Session 07: Machinery Utilization

Moderator: **Michael Cunningham**, *Extrusion Dies Industries LLC*

- 07-1 **Mark Miller**, *Coating Tech Service, LLC* [Slot Die Coating Technology](#) (Presentation) (\$
- 07-2 **Andrew W. Christie**, *Optex Process Solutions LLC* [Extrusion Lamination - Is it for me?](#) (%)

Session 09: Sustainability Materials Improvements

Moderator: **Jose M. Torradas**, *DuPont Packaging*

- 09-1 **Mika O. Vaha-Nissi, Ali J. Harlin, Harri Setälä, Jenni Sievänen, Jonas Hartman, Kristiina Poppius-Levlin, Riku Talja, Sari Hyvärinen**, *VTT Technical Research Centre of Finland* [Wood-based hemicelluloses for packaging materials](#) (Presentation) +&
- 09-2 **Mika O. Vaha-Nissi, Ali J. Harlin, Jarmo Ropponen, Klaus Niemelä, Tuomas Mehtiö**, *VTT Technical Research Centre of Finland* [Polymers from kraft pulping spent liquor](#), + (Presentation) - (
- 09-3 **Kunihiko Kobayashi**, *JSR Corporation* [The Design of Environment-friendly High Performance Polymer](#) (\$, (Presentation) (%*
- 09-4 **Didem Deliormanli, Laura Weaver, Marcos Franca, Sarah Valle**, *Dow Chemical USA* [Enhancing Plastic Recycle Stream Performance](#) (&

Session 10: Multilayer Technology

Moderator: **Thomas J. Dunn**, *Flexpacknology LLC*

- 10-1 **Gary D. Oliver**, *Extrusion Dies Industries LLC* [Micro-layer Coextrusion Methods and Applications](#) ('
- 10-2 **Eugene D. Medlock**, *Kuraray America* [Nanolayer Film Structures with Ethylene Vinyl Alcohol Resins](#) (((
- 10-3 **Olivier Catherine**, *Cloeren Incorporated* [Sub-micron coextrusion technology and application examples](#) (*) *

Session 11: Resin Materials - Seals

Moderator: **Robert Hammond**, *Mica Corporation*

- 11-1 **Daniel R. Ward, John L. Bayley**, *NOVA Chemicals* [Evaluation of Sealants for High Temperature Packaging Applications](#) (* - (Presentation) (+)
- 11-2 **Lamy Jean Chopin, III**, *Dow Chemical USA* [Influence of Processing Parameters on Peel Seal Performance](#) (, +
- 11-3 **Barry A. Morris**, *DuPont Packaging & Industrial Polymers* [Use of Modeling to Speed Packaging Development](#) (- * (Presentation) (\$) +

Session 12: Adhesion / Surface Enhancement

Moderator: **Kelly R. Frey**, *Chevron Phillips Chemical Company LP*

- 12-1 **Kelly R. Frey**, *Chevron Phillips Chemical Company LP* [Optimizing Time in the Air Gap in Extrusion Coating for Improved Adhesion](#) &+
- 12-2 **Kimmo Lahtinen, David Cameron, Tommi Kaariainen**, *Lappeenranta University of Technology*; **Petri Johansson**, *Tampere University of Technology* [Extrusion-coated Sealing Layers on ALD-Al2O3 Coated Polymer Substrate - Interfacial and Adhesion Properties](#) ((Presentation)) &
- 12-3 **Bruce W. Foster**, *Mica Corporation* [Improving PLA Adhesion Using Primers](#) *'

Session 13: Sheet Extrusion

Moderator: **Derek M. Ford**, *SML Extrusion Technology*

- 13-1 **Derek M. Ford**, *SML Extrusion Technology* [High Efficiency Sheet Extrusion](#) + (

Session 14: Machinery Improvements

Moderator: **Aldo R. Tavares**, *DuPont Packaging & Industrial Polymers*

- 14-1 **Johanna Lahti, Juho Lavonen**, *Tampere University of Technology* [Nanoscale Surface Processing of Extrusion Coated Substrates and Plastic Films with Atmospheric Plasma Activation and Deposition](#) , , (Presentation) - \$

Session 15: Adhesion / Primer Sustainability

Moderator: **Prabhat R. Mishra**, *PZ Cussons (International) Limited*

- 15-1 **Ginger Cushing**, *Michelman Inc.* [Water Based Primers for Enhancing Oxygen Barrier and Metal Adhesion on Film Substrates](#) \$% (Presentation) \$)
- 15-2 **Hermann K. Onusseit**, *Henkel AG & Co. KGaA* [Sustainable Adhesive Technologies for the Packaging Industry](#) %)
- 15-3 **Randy A. Johnson**, *Ashland Performance Materials* [New Solvent-free Laminating Adhesive for Reducing / Eliminating Water-Base Ink Decal](#) *'

Session 16: Utilizing Environmentally Friendly Materials

Moderator: **Warren Durling**, *Clorox Services Company*

- 16-1 **Håkan Grubb, Lisa Bindgård, Maria Gröndahl**, *Xylophane AB* [Renewable Xylan-based Barrier Coating for Packaging](#) ' %
- 16-2 **Chris Kerscher**, *A. Schulman* [Papermatch -- Imparting the Look, Feel, and Performance of Paper in Traditional Film Structures](#) (*
- 16-3 **Veronica Ataya**, *Celplast Metallized Products*; **Dante F. Ferrari**, *Celplast Metallized Products Ltd.* [Inline-coating and metallizing as a way to improve barrier and reduce carbon footprint](#) + (Presentation) *)