

**TECHNICAL PROGRAM**

**Sunday, April 10**

3:00-4:00 pm ..... Worthington  
**Division Council Meeting**

4:00-5:00 pm ..... Worthington  
**Products & Resources Team Meeting**

6:30-8:00 pm ..... Bird Cafe  
**Welcome Reception at the Bird Cafe in Sundance Square**  
Sponsored by NOVA Chemicals

**Monday, April 11**

7:00am ..... Post Oak  
**Speaker Breakfast**

7:00-8:00am ..... Grand Ballroom Foyer  
**Continental Breakfast**

8:00-8:15am ..... Brazos Ballroom  
**Welcome Remarks**

8:15-9:30am ..... Brazos Ballroom  
**Session 1 - Opening Keynote**

*Ron Sasine, Principal, Hudson Windsor LLC (former Senior Director of Packaging Procurement, Walmart)*  
Ron will address key trends in the consumer packaging market.

9:30am ..... Grand Ballroom Foyer  
**Break**

10:00-11:30am ..... Brazos Ballroom  
**Session 2 - The Future of Flexible Packaging, An Interactive Session and Panel Discussion**

*Session Chairs: Jim Lush, Celplast Metallized Prod. Ltd. and Ginger Cushing, Michelman Inc.*  
*Panelists:*  
*John Garnett, R & D Director, Disruptive Innovation, ConAgra Foods*  
*Brad Rodgers, Senior Project Engineer, Frito Lay*  
*Seth Holmen, Corporate Director of Technology, American Packaging Corp.*  
*Terry Clark, Consultant*

## TECHNICAL PROGRAM

11:30am-1:00pm ..... Hacienda  
**Newcomers Lunch**

1:00-2:00pm .....Grand Ballroom Foyer  
**Table Top Reception**

2:30-6:30pm

**Off Site Event at PepsiCo R&D Facility** - first come, first serve basis  
Depart from Hotel Lobby (transportation provided)

## Tuesday, April 12

7:00am ..... Post Oak  
**Speaker Breakfast**

7:00-8:00am .....Grand Ballroom Foyer  
**Continental Breakfast**

8:00-10:00am ..... Brazos Ballroom  
**Session 3 - Coatings and Additives: The Effect on Performance**  
*Session Chair: Rob Hammond, Mica Corporation*

**Advanced Techniques for Integrating Brand-Authenticating  
DNA into Point-of-Sale Packaging Materials**  
*Steve Helker, ITW Pillar Technologies*

**Effect of the Electrical Conductivities of Corona Discharge  
Ground Rolls on Surface Treatment**  
*Steve Helker, ITW Pillar Technologies*

**The Effect of Paperboard Coating Treatments on Polyethylene  
Adhesion During Extrusion Coating: Part #1 - Paperboard Coatings**  
*Don Ventresca, Greg Welsch, Trinseo LLC, and Kelly Frey, Chevron  
Phillips Chemical Company LLC*

**The Effects of Paperboard Coating Treatments on Polyethylene  
Adhesion During Extrusion Coating: Part #2, Extrusion Coating  
Study**  
*Kelly Frey, Chevron Phillips Chemical Company LLC, and  
Don Ventresca and Greg Welsch, Trinseo LLC*

## TECHNICAL PROGRAM

8:00-10:00am .....Pecos Ballroom

### **Advancements in Materials, Modelling, and Processing**

*Session Chair: Kelly Frey, Chevron-Phillips Chemical Co.*

### **Physical Property Modeling of Multilayer Heavy Duty Sack Films**

*Nancy Conley, Greg Courtney, and Tieqi Li,*

*NOVA Chemicals Corporation*

### **Advances in LDPE Resins for Extrusion Coating Applications**

*Michael Biscoglio, The Dow Chemical Company*

### **Adhesion in Extrusion Coating: Time in the Air Gap Revisited**

*Barry A. Morris, DuPont Packaging & Industrial Polymers*

### **Seal-Through-Contamination and , Caulkability, An Evaluation of Sealants, Ability to Encapsulate Contaminants in the Seal Area**

*Daniel Ward, NOVA Chemicals Corporation*

10:00am-10:30am.....Grand Ballroom Foyer  
**Break**

10:30am-12:30pm ..... Brazos Ballroom  
**Session 5 - Equipment Design Influence on Polymer Processing and Film Handling**

*Session Chair: Scott Marks, DuPont Packaging & Industrial Polymers*

### **Challenges of Winding Flexible Packaging Films**

*R. Duane Smith, Davis-Standard LLC*

### **Cemented Tungsten Carbide Tooling and Wear Parts for the Flexible Packaging and Converting Industry**

*David LeMaistre, Crafts Technology*

### **Learning from Shear and Extensional Rheology of a Few Extrusion Coating Polyethylenes**

*Olivier Catherine, Cloeren Incorporated*

### **Processing of Metallocenes in Extrusion Coating Applications**

*Christine Ronaghan, Cloeren Incorporated*

**TECHNICAL PROGRAM**

10:30am-12:30pm .....Pecos Ballroom

**Session 6 - Multi-layer Packaging Design and Evaluation**

*Session Chair: Norman Aubee, NOVA Chemicals*

**Effect on Copolymerization in Flexible Thermoforming**

*Sergi Salvá Sáez, UBE America Inc.*

**Testing and Predicting Impact Puncture Resistance of Multilayer Flexible Packaging Films**

*Barry A. Morris, DuPont Packaging & Industrial Polymers*

**Polyethylene, Acid Copolymer and Ionomer Sealants on Aluminium Foil - What Really Makes Them Different?**

*Guenter Schubert, Hydro Aluminum Rolled Products GmbH and  
André Lehnhardt, Technische Universität Dresden*

12:30-1:45pm .....Rio Grande

**Lunch/Award Ceremony**

**Keynote Speaker**

1:45-3:30pm .....Brazos Ballroom

**Session 7 - Biopolymers**

*Session Chair: Jose Torradas, DuPont Packaging*

**Enhanced Performance of Polylactide Shrink Films**

*Jim Nangeroni, NatureWorks LLC*

**High Performance Bio-Based Barrier Materials for Food Packaging**

*Tom Black & Gene Medlock, Kuraray America, Inc.*

**Biopolymers for Paperboard Extrusion Coating and Converting**

*C. Carey Yang, WestRock Company*

1:45-3:30pm .....Pecos Ballroom

**Session 8 - Nanotechnology**

*Session Chair: Mike Shellenbarger, Oliver-Tolas Health Care Packaging*

**Roll-to-Roll Coating of Nanocellulosic Barriers on Paper**

*Martti Toivakka, Åbo Akademi University*

**Film Enhancement Utilizing Nano-Particulates in Multilayers Films Greater Than 25 Layers**

*Michael Taylor, Alpha Marathon Film Extrusion Technologies Inc.*

## TECHNICAL PROGRAM

### **Welcome to the Revolution - The Next Generation of Sustainable Materials Beyond Paper**

*Sean Ireland, Imerys*

4:00-5:30pm ..... Grand Ballroom Foyer  
**Tabletop Reception**

6:30-10:30pm

### **Evening Event at 81 Club - Billy Bob's Texas**

Sponsored by The Dow Chemical Company

*Depart from hotel lobby*

## **Wednesday, April 13**

7:00am ..... Post Oak  
**Speaker Breakfast**

7:00-8:00am ..... Grand Ballroom Foyer  
**Continental Breakfast**

8:00-9:30am ..... Brazos Ballroom  
**Session 9 - New Technology Showcase**

*Session Chair: Rajen Patel, The Dow Chemical Company*

### **Celanese Improved Adhesion Ateva® ExtruDond™ EVA for Extrusion Coating / Extrusion Laminatio**

*James T. Jones, EVA Polymers*

### **New Bio-Based Solutions for Paper and Packaging**

*Alicia Richards, AquaSol Corporation*

### **Baldwin Technologies**

*James Daly, Baldwin Technology*

### **The Addivant Solution for the production of nonylphenol-free PE Flexible Packaging**

*Ronald Becker, Addivant*

### **Horizontal Ironing Roll Winder**

*Lou Piffer, Davis-Standard*

### **NOVA Chemicals: PE Products, Capability Expertise**

*Mike Cappelli, NOVA Chemicals*

**TECHNICAL PROGRAM**

**New Sealants for Extrusion Coating**

*Apurva Shah, Dow*

**HUMECO-TEC™: Technology for Sustainable Packaging Design**

*Dr. Daryl Basham, Humanitarian Scientific*

**PLACE Division-The Next Evolution**

*Jim Lush, PLACE Division*

9:30-10:00am ..... Brazos Ballroom

**Session 9A - Innovation Paper**

*Session Chair: James Macnamara, Leprino Foods Corporation*

**Innovation—Easy to Say, Hard to Do. An Innovation Model That Works**

*John Homoelle, Michelman Inc.*

10:00-10:30am .....Grand Ballroom Foyer

**Break**

10:30am-12:30pm ..... Brazos Ballroom

**Session 10 - Developments from Resin Advances**

*Session Chair: Tom Dunn, Flexpacknology LLC*

**Improving Hot Tack for Rim Seals**

*Sean Richards, LyondellBasell Industries*

**Peelable Seal Films with Enhanced Moisture Barrier Properties for Flexible Packaging Applications**

*Dan Falla, NOVA Chemicals Corporation*

**Effect of Formulation and Processing on the Properties of High Performance LLDPE in Heavy Duty Film Applications**

*Maged Botros Ph.D., Steve Imfeld, and Matt Sonnycalb,  
LyondellBasell Industries*

**Improved Adhesion EVA for Extrusion Coating-Extrusion Laminating**

*Scott Weber, Celanese*

## TECHNICAL PROGRAM

10:30am-12:30pm ..... Pecos Ballroom

### **Session 11 - Barrier Solutions**

*Session Chair: Dr. Mika Vähä-Nissi, VTT Technical Research Centre of Finland Ltd*

#### **Test Methods for Evaluating Grease and Mineral Oil Barriers**

*Dr. Mika Vähä-Nissi, VTT Technical Research Centre of Finland Ltd.*

#### **New HDPE Resins May Offer Film Improvements**

*Thomas J. Schwab and Lindsay E. Corcoran, LyondellBasell Industries*

#### **Liquid and Gas Barrier Coatings for Cellulose-Based Food Packaging**

*Alexander Bardenstein, Steffen Sønderby, & Søren R Østergaard, Danish Technological Institute (DTI), David Guérin, (Centre Technique du Papier, France), and Oleg Zhuravlev, (Institute of Strength Physics and Material Research, Russia)*

#### **Development of PGA Barrier Polymer at VTT**

*Jouni Lattu, VTT Technical Research Centre of Finland Ltd.*

12:30-2:00pm ..... Trinity Ballroom

### **Networking Lunch**

2:00-3:30pm ..... Brazos Ballroom

### **Session 12 - Academic Exchange**

*Session Chair: Didem Oner-Deliormanli, Dow Chemical USA*

#### **Development of Low-Barrier Packaging Structure for Microwave Assisted Pasteurization Processes (MAPS)**

*Kanishka Bhunia and Dr. Shyam Sablani, Washington State University*

#### **Coating Trial of an Antimicrobial Coating Containing Nisin Using a Large Scale Gravure Application Process**

*Duncan Darby, PhD, Clemson University*

#### **Nanoscale Barrier Coating on BOPP Packaging Film by ALD**

*Dr. Johanna Lahti, Tampere University of Technology*

**TECHNICAL PROGRAM**

2:00-3:30pm .....Pecos Ballroom

**Session 13 - Eliminating Transmission of Undesirables**

*Session Chair: Ginger Cushing, Michelman, Inc.*

**Grease Resistant Multilayer Polyethylene Films**

*Shivendra Goyal, Bronwyn Gillon, Barney Quong and Dan Falla,  
NOVA Chemicals Corporation*

**High Gas Barrier Coatings for Polyester Film**

*Ginger Cushing, Michelman, Inc.*

**Collaboration- A New Material in an Unexpected Application**

*Norman Aubee, NOVA Chemicals Corporation and  
Ulf Attevik, Tetra Pak*

3:30-4:00pm .....Grand Ballroom Foyer

**Break**

4:00-5:30pm ..... Brazos Ballroom

**Session 14 - Additives and Equipment Technology**

*Session Chair: James Macnamara, Leprino Foods Corporation*

**New Formulations for Consistent Slip Properties**

*Dr. Bhushan Deshpande and Ebrahim Mor, Techmer PM, LLC*

**Design, Operation, and Maintenance of an Internally Deckled  
Extrusion Coating Die**

*Gary Oliver, on behalf of Nordson Extrusion Dies Industries*

**New Ultra Versatile Adhesive for Extrusion Lamination**

*Nick Khasat, ARKEMA INC.*

4:00-5:30pm .....Pecos Ballroom

**Session 15 - Adhesives/Adhesion**

*Session Chair: William Bridendolph, Chevron Phillips Chemical Co.*

**Improvements in Productivity and Efficiency of Modern  
Solventless Adhesives**

*Larry Jopko, The Dow Chemical Company*

**Going Beyond Adhesion: the Dual Functionality of Tie Layers**

*Yong Zheng, Brian Walther, Cagatay Berilgen and  
Santosh Bawiskar, The Dow Chemical Company*

**Acid Copolymer Adhesive - More Than Just a Tie Layer**

*Otto Plassman, INEOS Olefins & Polymers Europe*




**TECHNICAL PROGRAM**

5:30-6:30pm ..... Post Oak

**Post Conference Wrap-Up Meetings** (Open to all)


*(Program Subject to Change)*


***The jumpstart for a career in motion***



TAPPI's Young Professionals Division is an unparalleled resource for jumpstarting a career in the global pulp, paper, packaging, tissue, converting and related industries. Providing leadership opportunities, resources for career advancement and the chance to network with peers and industry professionals, there's no better way to jumpstart a career in motion.

More information can be found at [www.tappi.org/jp](http://www.tappi.org/jp) or by contacting Tanya Hickson at [thickson@tappi.org](mailto:thickson@tappi.org).



**Young Professionals Reception**  
Monday, April 11 • 7:30-8:30pm • Hacienda 

A Young Professional is defined as someone new to the industry or under 35 years of age.