

PLACE Conference
Innovations in Flexible Consumer Packaging
Technical Program
September 14-17
Portsmouth, Virginia, USA

Technical Program Chairman

Robert Hammond, Mica Corporation

Monday September 15, 2008

8:00am-10:00am

Session 1 Opening Session and New Technology Showcase

Session Chair

Lou Piffer

Davis-Standard, LLC, Converting Systems

Monday September 15, 2008

10:30am-4:00pm (Lunch Break from 12:30pm-2:00pm)

Session 2 ACE: Adhesives, Coatings and Equipment

Session Chair

Ginger P. Cushing

Michelman Inc.

- 2.1 Advances in Solventless Adhesives
Thomas R. Mueller
Rohm and Haas Company
- 2.2 "I Can't Take it any Longer – Where is that Primer Guy?"
Robert Hammond
Mica Corporation
- 2.3 Balancing Adhesion and Slip Properties in Aqueous Heat Seal Coatings
Ginger P. Cushing
Michelman Inc.
- 2.4 Aliphatic Solventless Adhesives for Flexible Packaging
Randy A. Johnson
Ashland Performance Materials
- 2.5 Engineered Performance Pigments for Moisture Vapour Barrier Coatings
Yash P. Khanna
Imerys

David I. Gittins
Imerys

David R. Skuse
Imerys
- 2.6 Laminators for 100% Solids Adhesives: Technology and Design
Giancarlo Caimmi
Nordmeccanica Group
- 2.7 Comparison of Gravure vs. Rod Applications
Lee A. Ostness
Davis-Standard LLC, Converting Systems

- 2.8 Real Time On-line Measurement of Coatings and Adhesives
Theodore J. Schnackertz
NDC Infrared Engineering

Monday September 15, 2008

10:30am-4:00pm (Lunch Break from 12:30pm-2:00pm)

Session 3 Blown Film Technology

Session Chair

Scott Marks

DuPont Packaging & Industrial Polymers

- 3.1 A Practical Model for Predicting Interfacial Flow Instabilities in Polyamide-PE Film Coextrusions Containing Tie Concentrate Blends
Daniel R. Ward
Nova Chemicals
- 3.2 Novel Methods to Process High Barrier PVDC
Karen Xiao
Brampton Engineering, Inc.
- Steve Jenkins**
Dow Chemical USA
- Joseph Dooley**
Dow Chemical USA
- 3.3 Encapsulation with Nylon/EVOH in Blown Film Die Systems
Surendra M. Sagar, B.Sc.
Macro Engineering & Technology Inc.
- 3.4 Optimizing and Streamlining Channel Geometry in Multilayer Blown Film Dies
William W. Bode
Battenfeld Gloucester
- 3.5 The Evolution of Die Technology, Culminating in the X-die
Jay Ragusa
Hosokawa Alpine American
- 3.6 New On-line Measurement and Control of Multilayer Blown Films
Tan Srinivasan
Thermo Fisher Scientific
- 3.7 Coupling the External Air Flow to a 2d Axisymmetric Film Blowing Model
Hossam M. Metwally
ANSYS Inc.
- Jaydeep Kulkarni**
ANSYS Inc.
- 3.8 Revolutionary Cooling by Combining the Elements of Water and Air
Sascha Skora
Kiefel Extrusion

4:30pm-5:30pm

Keynote Presentation

Wal-Mart Sustainability

Drew Gilchrist

Vice President of Sales, Vanguard Packaging & Display

Vanguard is a member of Wal-Mart's Sustainable Value Network (SVN). Gilchrist has lived in Bentonville 15 years and is directly involved in Wal-Mart's Retail Link Users Group. He is fully immersed in the Wal-Mart culture, and has received Wal-Mart's authorization to present Wal-Mart's Sustainability perspective at the PLACE Conference.

Tuesday September 16, 2008

8:00am-10:00am

Session 4 Innovations in Converting & Web Handling

Session Chair

Michael D. Flannigan

Maxcess International

- 4.1 Innovations in Web Guide Sensor Technologies
Michael D. Flannigan
Maxcess International
- 4.2 New Developments in Stretch Film Winding to Improve Productivity
R. Duane Smith
Davis-Standard LLC, Converting Systems
- 4.3 Understanding Dancer Tension Control Systems
Darrell E. Whiteside
MAGPOWR
- 4.4 New Roller Alignment Technique Using Space Technology
Jay Tannan
Pruftechnik Service

Tuesday September 16, 2008

8:00am-10:00am

Session 5 European Exchange

Session Chair

Guenter Schubert

Hydro Aluminium Deutschland GmbH

- 5.1 Statistical Modeling of WVTR of Extrusion-Coated Papers
Kimmo Lahtinen
Tampere University of Technology
- 5.2 What Can Happen to Polymer Granules between the Supplier's Silo to the Extruder Hopper?
Otto M. Plassmann
INEOS Koeln GmbH
- 5.3 Optimisation of Multi-layer Extrusion Flow Using Visco-elastic Simulations
Margot Klaassen
Corus Research, Development & Technology

Cor Waringa

Corus Research, Development & Technology

- 5.4 Aqueous Dispersions of Polyolefins - European Update
Ronald Wevers
Dow Europe GmbH

Tuesday September 16, 2008

8:00am-12:30pm (Break from 10:00am-10:30am)

Session 6 Sustainability Workshop

Session Chair

Rory A. Wolf

Enercon Industries

Presenter

Baskar R. Kotte

Quality Systems Enhancement

Tuesday September 16, 2008

10:30am-12:30pm

Session 7 Surface Treatment

Session Chair

Warren Durling

Clorox Services Company

- 7.1 Polarized Flame Treatment for Bopp and CPP Films and Comparison with Other Treatment Methods
Pietro Mandoloni
Esseci SRL
- 7.2 The Influence of Atmospheric Plasma Treatment on Digital Print Quality of Extrusion Coated Paper
Mikko Tuominen
Tampere University of Technology
- Johanna Lahti**
Tampere University of Technology
- Jurkka Kuusipalo**
Tampere University of Technology
- 7.3 Over-Treatment of PET – Fact or Fiction (Part I): A Study of the Following Variables: Watt Density, Corona Dwell Time, Film Selection, Dyne Level and Water Soak Bond Strength
Jessica C. Bodine
Mica Corporation
- 7.4 Advances in Adhesion with CO₂-based Atmospheric Plasma Surface Modification
Rory A. Wolf
Enercon Industries

Tuesday September 16, 2008

10:30am-12:30pm

Session 8 Film Properties: Impact on Performance

Session Chair

Marc Kullberg

GBC Films Group

- 8.1 Peelable Structures for PP, PS, PET and PVC Substrates: Understanding How Multilayer Construction Influences Seal and Peel Properties
Jérôme Pascal
ARKEMA
- 8.2 Comparison of Post Consumer Recycled Polyethylene and Virgin Polyethylene used in Trash Bags
Lan Nguyen
Heritage Bag Company
- Frank Ruiz**
Plastimin LLC
- Nigel Lawrence**
Heritage Bag Company
- Victor Garibay**
Heritage Bag Company
- 8.3 Polyethylene Biaxial Shrink Films – Stretchability and Morphology Study
Kam W. Ho
Nova Chemicals
- 8.4 Development of New BOPP Barrier Films by Coextrusion and Biaxial Orientation
Martin Wolf
Brückner Maschinenbau GmbH & Co. KG
- Jürgen Breil**
Brückner Maschinenbau GmbH & Co. KG
- R. Lund**
Brückner Maschinenbau GmbH & Co. KG

Tuesday September 16, 2008

12:30 pm - 2:00pm

Keynote Lunch Presentation

Fundamentals of Processed Meat Packaging

Dan Feldmeier

Kraft Foods/Convenient Meat Packaging

Feldmeier, a Chemical Engineer from UW-Madison, is an expert on processed meat packaging. He has over 20 years of packaging development experience in the Oscar Mayer business unit of Kraft Foods. Feldmeier is the highest level technical packaging person in that business unit. He has a broad base of experience in extrusion and thermoforming for Oscar Mayer in-house polymer processing applications and with applications utilizing supplier produced film and sheet. He has received seven US patents during his career.

Tuesday September 16, 2008

2:00pm-4:00pm

Session 9 Regulatory Panel and Discussion

Session Chair

Rory A. Wolf

Enercon Industries

Tuesday September 16, 2008

2:00pm-4:00pm

Session 10 Process Issues with Bio-Based Materials

Session Chair

Benjamin Prinsen

Macro Engineering & Technology

- 10.1 Machine Audit Plan to Provide for Bio Resin Capability
Beth Foederer
Optex Process Solutions, LLC
- 10.2 Screw Optimization for Renewable Resins
Christine Ronaghan
Davis-Standard LLC, Converting Systems
- 10.3 Environmental, Recycling and Health Aspects of Plastics Failure
Myer Ezrin
University of Connecticut

Tuesday September 16, 2008

2:00pm-3:00pm

Session 11 Packaging Technology

Session Chair

Jessica Bodine

Mica Corporation

- 11.1 Challenges of Flexible Condiment Packaging
Bill Rasile
Heinz
- 11.2 Tool for Measuring Diffusion of Aromas through Packaging Materials
Mika O. Vähä-Nissi
KCL

T. Hjelt
KCL

A. Kokko
KCL

R. Kokkonen
KCL

A. Mikkelsen
KCL

Tuesday September 16, 2008

3:00pm-4:00pm

Session 12 Compounding

Session Chair

Darrell Landry

Chevron Phillips Chemical Company

- 12.1 Shear vs. Elongation: Direct Compounding of a TPO Film
Keith W. Luker

Randcastle Extrusion Systems, Inc.

- 12.2 Attenuation of Light
Philipp Niedenzu
E.I. DuPont

Wednesday September 17, 2008

8:00am-10:00am

Session 13 Food Safety

Session Chair

Rory A. Wolf

Enercon Industries

- 13.1 Emerging Consumer Trends; Challenges for Food Safety
Christine M. Bruhn
University of California – Davis
- 13.2 Biofilms in Food Handling and Processing
Amy Wong
University of Wisconsin-Madison
- 13.3 Biofilms on Produce
Bassam A. Annous
Eastern Regional Research Center – ARS
- 13.4 Use of Antimicrobial Packaging Films and Edible Coatings to Control the Growth of Listeria
Haiqiang Chen
University of Delaware

Wednesday September 17, 2008

8:00am-10:00am

Session 14 – Resins & Polymers

Session Chair

Norman D. Aubee

Nova Chemicals

- 14.1 New sHDPE with Ultra High Moisture Barrier Performance
Norman D. Aubee
NOVA Chemicals
- Nitin Borse**
NOVA Chemicals
- 14.2 Critical Design Considerations for Polyethylene Materials in Collation Shrink Film Packaging
John L. Bayley
Nova Chemicals
- Allister Davey**
Nova Chemicals
- 14.3 A New Metallocene Polyethylene Family with an Unprecedented Combination of Processing and Film Performance
Richard W. Halle
ExxonMobil Chemical Company

- 14.4 A Novel Nucleating Agent for Polyethylene

Paula Nygard
Milliken & Company

Darin L. Dotson
Milliken & Company

Wednesday September 17, 2008

8:00am-10:00am

Session 15 SPE/ANTEC Exchange (Break from 10:00am-10:30am)

Session Chair

Gary D. Oliver
Extrusion Dies Industries LLC

- 15.1 Multilayer Rheology Effects in Coextruded Structure Design

Joseph Dooley
Dow Chemical USA

- 15.2 Analysis of Metallocene Based LLDPE Flow With Respect to Die Drool Phenomenon by Using FEM & Flow Visualization Experiment

John Perdikoulis
Compuplast

- 15.3 Prediction of Screw Temperature Rise in Single Screw-Pump Extruder

Greg Campbell
Clarkson University

- 15.4 Snack Food Packaging Overview

Sal Pellingra
Ampac Flexibles

Wednesday September 17, 2008

10:30am-12:30pm

Session 16 Sustainability

Session Chair

Bruce Foster
Mica Corporation

- 16.1 TAPPI Disciplined Path for Sustainability Synopsis

Baskar R. Kotte
Quality Systems Enhancement

- 16.2 TBA

- 16.3 Sustainable Packaging: Delivering Performance with Reduced Environmental Impact

Carol Casarino
E.I. DuPont

- 16.4 Sustainability in Perspective

Prabhat Mishra
PA Consulting

Wednesday September 17, 2008

10:30am-12:30pm

Session 17 Extrusion Coating Technology

Session Chair

Jim Forster

Jen-Coat Inc.

- 17.1 A Case Study of Edge Profile Control Technology for Coating and Laminating Dies
Sam G. Iuliano
Extrusion Dies Industries, LLC
- 17.2 Effect of Time, Temperature and Draw Down on Interlayer Peel Strength During Coextrusion Coating and Film Casting
Barry A. Morris
DuPont
- 17.3 Latest Development in Extrusion Coating and Laminating Helping to Improve your Profitability
Gunter Roesler
Polytype Converting SA
- 17.4 New Optical Technology for On-Line Layer & Coat Weight Measurement
Ulrich R. von Stein
ISIS Sentronics
- Gerald A. Rovder**
FACTS, Inc

Wednesday September 17, 2008

12:30pm – 2:00 pm

Keynote Lunch Presentation

Proctor & Gamble and Sustainability

A.J. "Tony" Burns

The Proctor & Gamble Company

An expert on sustainability, Burns is Proctor & Gamble's designated speaker on the subject. In addition to his duties with Proctor & Gamble, Burns serves on the Advisory Board for the Sustainable Packaging Coalition (SPC).

Wednesday September 17, 2008

2:00pm-3:30pm

Session 18 Collaborating for Breakthroughs in Flexible Packaging – Panel

Session Chair

Andrew W. Christie

Optex Process Solutions LLC

Wednesday September 17, 2008

4:00pm-5:30pm

Session 19 Converter Spotlight – Panel

Session Chair

James F. Macnamara

Cello-Pack Corporation

Wednesday September 17, 2008

6:30 pm

Gala – Carrie B Dinner Cruise

Boat departs from hotel dock