

# The Latest in Technological Innovations for the Flexible Packaging and Converting Industry

[www.tappiplace.org](http://www.tappiplace.org)

**2006**

**PLACE**



**POLYMERS • LAMINATIONS • ADHESIVES • COATINGS • EXTRUSIONS**

## **Conference**

**September 17-21, 2006**

**Hyatt Regency Cincinnati • Cincinnati, Ohio**

**Keynote: The Procter & Gamble Company**

*The Development of Swiffer Dusters - A Market Success from Collaboration*

- ▶ **Table Top Trade Fair**
- ▶ **New Technology Showcase**
- ▶ **R&D Pilot Plant Tour**
- ▶ **Networking Events**
- ▶ **Pre-Conference Event: RFID and Smart Packaging Workshop**



Images provided by PrintPak and Alcan Packaging.

## The TAPPI PLACE (Polymers, Laminations, Adhesives, Coatings and Extrusions) Conference will showcase innovations in materials, equipment, and processes in the flexible packaging and converting industry.

### New for 2006!

- Learn about new developments in flexible packaging, barrier films, sealant films, adhesives, coatings, additives and resins
- Learn about the latest developments in polymer extrusion, adhesive laminating and coating equipment design
- Discover converter cost-reduction opportunities and equipment advances
- See how advances in packaging technology have been applied in manufacturing process improvement, and cost reduction opportunities

## The PLACE Conference Covers the Latest Hot Topics

### Active Packaging and Barrier Applications

- Permeation and Diffusion Fundamentals
- Barrier, O<sub>2</sub> and beyond
- Transparent Barriers Applications and Technologies
- Fresh Cut Produce Packaging
- Interactive Packaging - Smart Packaging

### Blown and Cast Film

- Latest Scientific Studies
- New Material applications
- Process improvements

### New Innovations from Research Universities

- Clemson University
- Michigan State University
- Southwest Research Institute
- Tempere University of Technology
- The Gas Technology Institute

### Who should attend?

The TAPPI PLACE Conference is ideal for everyone in the flexible packaging and converting supply chain. Specifically, the following people will find the conference beneficial:



- Consumer product company professionals
- Flexible packaging and converting employees
- Technical and marketing professionals
- VP product development/research, packaging engineers, process engineers, product development directors/managers/engineers/specialists, and technical managers
- Suppliers to the flexible packaging and converting industry
- Technical and marketing professionals from resin, additive, adhesive and equipment suppliers
- End-users; Consultants to the flexible packaging industry

### Special Learning Opportunities for New Process and Application Engineers

#### Trouble Shooting in Extrusion Coating

On-line gauging in extrusion coating, corona treaters, gel issues and practical problem solving

#### Trouble Shooting in Film Extrusion

Resin Transfer, Hands-on Computational Procedures, Special considerations for Coextruded films and On-line gauging for films

#### An entire afternoon dedicated to hands on training at Lyondell's R&D Center

Cast Film, Blown Film, Extrusion Coating, MDO and the most Modern Testing equipment

## Conference Highlights



### New Technology Showcase

8:30 - 10:00 am • Monday, September 18, 2006

Expand your knowledge of new products. You'll hear from a long line of companies - all with something new to offer the industry.



### Keynote

4:30 - 6:00 pm • Monday, September 18, 2006

#### The Procter & Gamble Company

*The Development of Swiffer Dusters - a Market Success from Collaboration*  
Swiffer Dusters is an exemplary example of how a "connect and develop" collaboration can deliver breakthrough products to more consumers in more regions of the world at a much faster speed-to-market. Learn how the synergistic effort between the Unicharm Corporation, Procter & Gamble, and flexible packaging companies within Procter & Gamble's supply chain led to the commercialization and success of the household cleaning phenomenon of Swiffer Dusters.

### Lyondell Chemical Company Tour

2:00 - 6:00 pm • Tuesday, September 19, 2006

This special tour of Lyondell Chemical's Cincinnati Technology Center (CTC) is designed for people with less than five years of experience in the industry. You'll see a demonstration of the company's fabrication equipment and testing labs. Equipment demonstrations will include coextrusion blown and cast film lines; extrusion coating line; a lab-scale machine direction orientation (MDO) unit; and a review of Lyondell's gel analysis capabilities. Participants will also tour the analytical and physical testing (PT) department, where they will get a first-hand look at property testing typically performed on flexible packaging structures and resins. The tour will be limited to 50 people and will require pre-registration prior to the start of the conference. Please see conference registration form for additional tour details.

### Networking Reception

6:00 - 7:00 pm • Monday, September 18, 2006

Cap off your first day at the conference at this special event. If your company would like to participate as a sponsor contact Mary Beth Cornell at 770-209-7210 or mcorneil@tappi.org

### Table Top Trade Fair and Reception

Wednesday, September 20, 2006

5:30 - 7:30 pm, with music and networking until 9:30pm



Enjoy your last evening at the conference with your peers and meet face-to-face with suppliers of the products and services you need to make your job easier. The evening will include food, refreshments, music and a lively good time.

## Conference Schedule of Events

### Saturday, September 16, 2006

8:00am - 5:00pm

Smart Packaging Workshop  
(Requires Separate Registration)

### Sunday, September 17, 2006

Noon - 6:00pm

Registration Open

### Monday, September 18, 2006

8:00 - 10:00am

Spouse/Guest Hospitality

8:30 - 10:00am

New Technology Showcase

10:30am - 12:30pm

Sessions

12:30 - 2:00pm

\*Newcomers' Orientation Lunch

2:00 - 4:00pm

Sessions

4:30 - 6:00pm

Keynote Presentation

6:00 - 7:00pm

Networking Reception

### Tuesday, September 19, 2006

8:00 - 10:00am

Spouse / Guest Hospitality

8:00 - 10:00am

Sessions

10:30am - 12:30pm

Sessions

2:00 - 4:00pm

Sessions

2:00 - 6:00pm

Lyondell Chemical Company Tour  
(Requires Pre-Registration)

4:30 - 6:00pm

Sessions

### Wednesday, September 20, 2006

8:00 - 10:00am

Spouse / Guest Hospitality

8:00 - 10:00am

Sessions

10:30am - 12:30pm

Sessions

2:00 - 3:30pm

Sessions

4:00 - 5:30pm

Sessions

5:00 - 9:30pm

Table Top Trade Fair (5:30-7:30pm)  
Music and Networking (until 9:30pm)

\*by invitation only

## Monday, September 18

**8:30 - 10:00 am**

### **Session 1: New Technology Showcase**

A series of eight minute new tech marketing presentations.

**10:30 - 12:30 pm**

### **Session 2: Additives and Applications**

Session Co-Chairs

*Amy Rode, Vordian Div Eastman Chemical  
Jeff Wooster, Dow Chemical Company*

[Non-Polar Process Aids Improve Extrusion Productivity](#)

*Richard Edwards, Sasol Wax*

[Particle Size: The Revolution in Fluoropolymer Process Aids](#)

*Steven Oriani,*

*Dupont Performance Elastomers*

[Fluoroelastomer Polymer Processing Aid Performance and the Effects of Anti-Blocking Agents](#)

*Brian Smith, Dupont Elastomers*

[Additives for Polyolefin Film Products: An Overview of Chemistry and Effects](#)

*Roswell King, Ciba Specialty Chemical Company*

**10:30 am - 12:30 pm**

### **Session 3: Fresh Cut Produce Packaging**

Session Co-Chairs

*Lan Nguyen, Plastimin  
Thomas Fu, LBP Manufacturing Inc.*

[An Overview of Fresh Cut Produce - Challenges and Trends](#)

*Jeff Brandenburg, JB Consulting*

[PLA - A Renewable/Sustainable Packaging Option](#)

*Robert Green, NatureWorks, LLC*

[New Developments in PLA Films](#)

*Rich Eichfeld, Plastic Suppliers*

**2:00 - 4:00 pm**

### **Session 4: Technologies and Equipment**

Session Chair

*Joseph DiGiacomo, Flynn Burner*

[Gas-Fired Drum Drying Technology Improves the Papermaking Efficiency](#)

*Yaroslav Chudnovsky,  
Gas Technology Institute*

[What is the Best Roller Size for My Machine?](#)

*David Roisum, Finishing Technologies*

[Application of Reticulated Metal Foam to Gas Fired Infrared Burners](#)

*Ted Cookson, Porvair Advanced Materials*

[Don't Let Profits Go Up In Smoke: Modern Air Pollution Control Systems Reduce Energy Costs and Destroy Higher Levels of VOCs/HAPs](#)

*Mike Van Asten, CMM Group*

**2:00 - 4:00 pm**

### **Session 5: Resins and Film Applications**

Session Chair

*Warren Durling, Clorox*

[Finding the Balance Between Output Rates and Film Performance for Fractional MI LLDPE](#)

*Paul Tas, NOVA Chemicals*

[The Effect of Calcium Carbonate Concentrate Base Resin Melt Index on Linear Low Density Polyethylene Film Properties](#)

*Amy B. Hitchcock,*

*Vordian Div., Eastman Chemical*

[Toughening Clear Polypropylene with Styrenic Block Copolymers](#)

*David Hansen, Kraton*

[The Use of Metallocene Polyethylene in Coextruded Lamination Films](#)

*Richard Halle, ExxonMobil*

**4:30 - 6:00 pm**

### **Session 6: Keynote**

Session Chair

*Rory Wolf, Enercon*

[The Development of Swiffer Dusters - A Market Success From Collaboration](#)

*Proctor & Gamble*

**6:00 - 7:00 pm**

### **Networking Reception**

## Tuesday, September 19

**8:00 - 10:00 am**

### **Session 7: Permeation and Diffusion Fundamentals**

Session Chair

*Michelle Stevens, MOCON*

[Relationship between Mass Transfer of Permeants and Polymer Processing](#)

*Maria Rubino, Michigan State University*

[Principles of Permeation](#)

*Michelle Stevens, MOCON*

[Selection of Packaging Materials Based on Understanding Basic Concepts Related to Permeation](#)

*Kay Cooksey, Clemson University*

[Flavor and Aroma Permeation Concepts and Applications](#)

*Duncan Darby, Clemson University*

**8:00 - 10:00 am**

### **Session 8: European Exchange Session**

Session Chair

*Günter Schubert, Hydro Aluminum*

[BiModal mLLD - New Specialty Pe for Extrusion Coating](#)

*Erkki Laiho, Borealis*

[Ultra Versatile Adhesives to Broaden the Possibilities of Extrusion Lamination](#)

*Jérôme Pascal, Arkema*

[How Aluminum Foil Improves the Hot Tack of Packaging Laminates](#)

*Günter Schubert Hydro Aluminum*

[The Unique Performance of PVDC Barrier Coatings - a Proven Material Displays its Innovation Potential](#)

*Matthias Huter, Solvin*

**8:00 - 10:00 am**

### **Session 9: Extrusion Coating Troubleshooting**

Session Chair

*Gary Cheney,  
Lyondell Chemical Company*

[Troubleshooting Gel Issues](#)

*Norm Aubee, NOVA Chemicals*

[Troubleshooting Corona Treaters](#)

*Rory Wolf, Enercon*

[Critical Role of On-line Gauging Systems in Extrusion Coating Troubleshooting](#)

*Tan Srinuisan, EGS Gauging*

[It Ran Fine the Last Time, What's Different?](#)

*John Kelley, JLK Consulting, LLC*

**10:30 am - 12:30 pm**

### **Session 10: Mixing/Screws and Designs**

Session Chair

*Eldridge Mount, Emmount Technologies*

[Twin Screw Extrusion System Designed to Compound/Devolatize and Extrude in a One-step Operation](#)

*Charlie Martin, Leistriz*

[Effective Feed Screw Design Through Simulation](#)

*Beth Wells, Black Clawson-Egan*

[Advancements in Screw Design Technology for the Blown Film Industry](#)

*Jeff Myers, Robert Barr Inc*

[Impact of Rheological Properties on Melting Rate Calculations](#)

*Eldridge Mount, Emmount Technologies*

**10:30 am - 12:30 pm**

### **Session 11: Transparent Barriers Applications and Technologies**

Session Co-Chairs

*Roger Kaas, Gehrke,  
Kaas & Associates LLP  
Jim Lush, Celplast Metallized Prod. Ltd.*

[Clear Barrier at Atmospheric Pressure](#)

*Rory Wolf, Enercon Industries Corporation*

*Rick Elwanger, Sigma Technologies International*

[What is the Best Way to Process Clear Retort Pouches Through the Value Chain?](#)

*Dante Ferrari,  
Celplast Metallized Prod. Ltd.*

[Clear Barriers and High Volume Quality Production](#)

*Rainer Ludwig, Applied Films*

[Trends and Opportunities in the European Clear Barrier Market](#)

*Oliver Vetter,  
Alcan CERAMIS Business Unit*

**10:30 am - 12:30 pm**

### **Session 12: Extrusion Coating Troubleshooting**

Session Chair

*Norm Aubee, NOVA Chemicals*

Troubleshooting Extrusion Processes with Hands-on Computational Procedures  
*Natti Rao, Plastics Solutions*

Troubleshooting Problems in Coextrusion Films  
*Karen Xiao, Brampton*

On-line Gauging as a Process Troubleshooting Tool  
*Ted Schnackertz, NDC*

Troubleshooting Resin Transfer Issues  
*Ryan Breese, Lyondell Chemical Co.*

**2:00 - 4:00 pm**  
**Session 13: Extrusion Coating Machinery**

Session Chair  
*Jamie Foederer, EDI*

Advances in Extrusion Coating Die System Technology  
*Sam Iuliano, EDI*

Effects of Die Geometry on the Extrusion Coating Characteristics of Polyolefins  
*Ray Edwards, Consultant*

Low or No Cost Extrusion Coating Improvements  
*Louis Piffer, Davis-Standard, LLC*

Considerations for Slitting and Differential Winding In Line on Production Equipment  
*David Sullivan, Goldenrod Corporation*

**2:00 - 4:00 pm**  
**Session 14: Radtech Exchange**

Session Chair  
*Steve Lapin, Northwest Coatings*

Ink Bonding Properties of Electron Beam Cured Adhesive Laminates for Flexible Packaging  
*Steve Lapin, Northwest Coatings*

Electron Beam Curable Gas and Aroma Barrier Technology  
*Im Rangwalla, Energy Systems, Inc.*

UV and EB Inks for Food Packaging Materials: Going the Extra Mile  
*Tom Dunn, Printpack*

Low Extractable, Low Odor Energy Curable Products for Food Packaging Applications  
*JoAnn Arceneaux, Cytec Surface Specialties*

**2:00 - 6:00 pm**  
**Session 15: Lyondell Chemical Company Tour:**  
*Pre-registration Required*

**4:30 - 6:00 pm**  
**Session 16: AIMCAL Exchange**

Session Chair  
*Duane Smith, Egan-Davis Standard*

Nanotechnology Functionality in Flexible Packaging; New Methods of Manufacturing  
*Kent Coulter, Southwest Research Institute*

Nanocomposite Barrier Coatings  
*Harris A. Goldberg, InMat Inc.*

Delamination Failures Between Polyester Films  
*Eldridge Mount, Emmount Technologies*

**4:30 - 6:00 pm**  
**Session 17: FPA Exchange - Key Drivers and Trends in the Flexible Packaging Industry**

Session Chair  
*Rory Wolf, Enercon*

Collaboration and Speed to Market – Swiffer Duster Case Study  
*Kent R. Lynde, The Procter & Gamble Company*

The Changing Role of the Retailer  
*TBA*

The Impact of Globalization  
*TBA*

Sustainable Packaging and Solid Waste Issues  
*TBA*

## Wednesday, September 20

**8:00 - 10:00 am**  
**Session 18: New Development Adhesive Laminate and Coating of Flexible Packaging Material**

Session Chair  
*Don Teich, Egan-Davis Standard*

New Metering Pump Technology for Laminating Adhesives  
*Bruce Menk, Fluidic Systems*

Coating Technology for Flexible Packing Laminations  
*Lee Ostness, Egan-Davis Standard*

The Role of Adhesives in the Retort Pouch  
*Tom Mueller, Rohm&Haas*

Dryer Technology for Flexible Packing Laminations  
*Todd Rueckl, MEGTEC*

**8:00 - 10:00 am**  
**Session 19: Interactive Packaging/Smart Packaging**

Session Chair  
*Bob O'Boyle, Sun Chemical Corporation*

Enabling Active Packaging  
*Dr. Philippe Schottland, Sun Chemical Corp*

Effectiveness of Selected Antimicrobial Agents and Their Possible Commercial Implementation  
*Kay Cooksey, Clemson University*

Transinformative Thermographic Barcode Matrix that Archivaly Monitors for Food, Drug and Biological Safety: A Fungible Line Item and Carton TTI Sentinel System  
*Robert Goldsmith, SIRA Technologies*

Towards the Design of Bioactive Papers as Biosensors  
*Dr. Robert Pelton, Sentinel Group*

**8:00 - 10:00 am**  
**Session 20: Blown Film, Materials, Properties and Process**

Session Chair  
*Ken Klaber, Lyondell Chemical Company*

Using Nucleators to Improve the Performance of PE Film  
*Heather Dolan, Milliken*

Improving Optical Clarity of Single-site Catalyzed Blown Films  
*Kam Ho, NOVA Eric Jordan, Printpack Inc.*

Incorporating Clarified Polypropylene into Novel Multi-layer Film Structures  
*Cris Kerscher, Milliken*

Polyethylene Co-extruded Blown Film: Layer Arrangements for Optimum Optics and Stiffness with Surpass Resins  
*Louis Mele, NOVA*

**10:30 am - 12:30 pm**  
**Session 21: End Use Packaging Applications and Evaluation of Food, Material & Design Suitability**

Session Chair  
*Gopal Iyengar, Stora Enso*

User-Centered Design - Wave of the Future  
*Laura Bix, Michigan State University*

Advances in Airtight Paperboard Packaging  
*Jallina Jarvinen, Stora Enso Packaging Boards*

New High Barrier Lidding Materials for Consumer Cups to Understand Seal Peel Characteristics  
*Iyengar Gopal, Stora Enso North America*

Characteristics of Flexible Food Packaging Materials  
*Scott Whiteside, Clemson University*

**10:30 am - 12:30 pm**  
**Session 22: Squeezing Out Cost and Waste Reduction**

Session Chair  
*Dante Ferrari, Celplast Metalized Products*

Reliability in the Global Enterprise  
*Brad Peterson, Strategic Asset Management*

An Economic Value Model for Converters - Comparing the Total Cost of Metallized Film vs. Foil  
*Jim Lush, Dante Ferrari, Celplast Metalized Products*

Enhanced Economics Using 100% Solids Adhesives  
*Michael Leib, Rohm&Haas*

What is the Best Tension for My Product?  
*Dave Roisum, Finishing Technologies*

**10:30 am - 12:30 pm**  
**Session 23 Blown Film, Materials, Properties and Process (cont'd.)**

Session Chair  
*Ken Klaber, Lyondell Chemical Company*

An Introduction to HMW Resins, Films, and Markets  
*Len Cribbs, Lyondell Chemical Company*

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**Coextruded HMW HDPE Film Structures with Improved Bubble Stability**  
*Brian Wolfe, Lyondell Chemical Company*

**Predicting Blown Film Residual Stress Levels Influence on Properties**  
*Tom Butler, Blown Film Technologies*

**Thermodynamic Indicators Used to Aid in Predicting Interfacial Adhesion Between Polyethylene and Polystyrene in Coextruded Films**  
*Dan Ward, NOVA*

**2:00 - 3:30 pm**

**Session 24: Paper and Paperboard, Applications and Technologies**

*Session Chair*

*Rob Hammond, Mica Corporation*

**Specialty Paper Opportunities in Flexible Packaging**  
*Frank Perkowski, Business Development Advisor*

**The Effects of Flame Treatment on Clay Coated Paperboard in Extrusion Coating**  
*Mikko Tuominen, Tampere Univ. of Technology*

**2:00 - 3:30 pm**

**Session 25: Barrier 02 and Beyond**

*Session Chair*

*Lee Murray, Alcan Packaging*

**New and Old Barrier Resins**  
*Jose Torrados, DuPont Do Brasil*

**Odor Barrier Characterization of Polymer Materials**  
*Joel Fisher, MOCOC*

**Influence of Blown Film Process Conditions on Moisture Barrier Properties of HDPE films**  
*Norm Aubee, NOVA*

**2:00 - 3:30 pm**

**Session 26: Stretch Film and Productivity Improvement**

*Session Chair*

*Bill Bode, Battenfeld Gloucester*

**Melt Pumps and Screen Changers for Blown Film Extrusion**

**Stretch Film Production - Control of Extrusion and Casting Variables**  
*Mark Jones, Battenfeld-Gloucester*

**Economics for Cast Stretch Production**  
*German Laverde, Battenfeld-Gloucester*

**4:00 - 5:30 pm**

**Session 27: Select Topics**

*Session Chair*

*John Vansant,*

*E. I. du Pont de Nemours & Co.*

**New Peelable Seal Technology for Easy-Open Packaging**  
*Julie Gibbons, Jeff Wooster, Dow Chemical Co.*

**Aqueous Dispersions of Polyolefins**  
*Brad Moncla, Dow Chemical Company*

**4:00 - 5:30 pm**

**Session 28: Adhesion in Extrusion Coating**

*Session Chair*

*Kelly Frey, Chevron Chemical*

**How to Obtain Good Adhesion of Extruded Polypropylene to Film and Foil Using Ozone and Primers**  
*Rich Allen, Mica Corporation*

**Understanding Why Adhesion in Extrusion Coating Decreases with Diminished Coating Thickness**  
*Barry Morris, DuPont*

**New Studies Toward Understanding Adhesion of Polyolefins to Primed Substrates**

*Bruce Foster, Mica Corporation*

**5:30 - 7:30 pm**

**Table Top Trade Fair and Reception**

(with music and networking until 9:30 pm)

## Register Early and SAVE

Fees are \$795 for TAPPI members and \$995 for nonmembers who register on or before Friday, August 25, 2006. After Friday, August 25, 2006 the cost will increase to \$1,155 for TAPPI members and \$1,555 for nonmembers. To register, use the attached form or go online to [www.tappi.org](http://www.tappi.org). For more information or to register by phone, call TAPPI's Member Connections Department at +1-800-332-8686 (US), +1-800-446-9431 (Canada), or +1-770-446-1400.

## Hotel Accommodations

Please make sure that you book your hotel room by August 25, 2006 in order to get the TAPPI rate of \$125 (Single/Double Occupancy). After that date, rates will go up.

**Hyatt Regency Cincinnati**  
**151 West Fifth Street**  
**Cincinnati, Ohio 45202**  
**Tel: 513-579-1234**  
**Fax: 513-579-0107**

## Come Early and Enjoy Oktoberfest!

**Saturday, September 16, and Sunday, September 17, 2006**

Oktoberfest-Zinzinnati is the nation's largest, most authentic Oktoberfest. First held in 1976, the event has grown to be North America's largest Oktoberfest with more than 500,000 people attending each year. Visit [www.oktoberfest-zinzinnati.com](http://www.oktoberfest-zinzinnati.com) for more information.



## RFID and Smart Packaging Workshop

**8:00 am to 5:00 pm - Saturday, September 16, 2006**

Rapidly evolving active technology can help you reduce product waste, improve market response, protect the consumer from harm and give them more freshness than ever before. Temperature, oxygen and other gas levels are just some of the conditions that can be controlled to achieve the longest possible shelf life and the best product quality. With technology advancing so fast, the potential for growth is huge. You'll learn about product security and integrity, product monitoring, developing smart packaging and real life examples.

One of the fastest growing areas of packaging development today, smart, intelligent and active packaging offers benefits to the supply chain and the consumer. With these technologies you can improve pack functionality and product branding by using RFID applications for enhanced track-and-trace and brand protection including anti-counterfeiting, theft prevention, security, and safety. In fact, the use of radio frequency identification devices (RFID) in packaging is set to grow tenfold over the next five years.

### Learning Outcomes

You will be able to explain:

- Benefits and limitations of RFID in the Smart Packaging industry
- Brand protection with RFID on Smart Packages
- Future of RFID in Smart Packaging

### Registration

Save when you register for both the PLACE Conference and the RFID and Smart Packaging Workshop. The one-day workshop fee is just \$650 for PLACE Conference participants. See complete details on the registration form.

# 2006 TAPPI PLACE Conference Registration Form

## GENERAL INFORMATION

Please circle: Mr. Ms. Mrs. Dr. Sr. Jr. Name \_\_\_\_\_  
 TAPPI Memb. # \_\_\_\_\_ Badge Name \_\_\_\_\_  
 Title \_\_\_\_\_ Spouse/Guest Name \_\_\_\_\_  
(If attending)  
 Company Name \_\_\_\_\_  
 Company Address \_\_\_\_\_  
 City \_\_\_\_\_ State/Province \_\_\_\_\_  
 Zip/Postal Code \_\_\_\_\_ Country \_\_\_\_\_ Telephone \_\_\_\_\_  
 Fax \_\_\_\_\_ Email \_\_\_\_\_

## REGISTRATION PROFILE

### 1. What type of company do you work for?

- Flexible Packaging Converting Plant (4BO)  
 Flexible Packaging Headquarters (4BH)  
 Paperboard Packaging Integrated Converting Plant (4A0)  
 Paperboard Packaging Independent Converting Plant (4A0)  
 Paperboard Packaging Headquarters (4AH)  
 Independent Consultant: Engineering, Technical Production or Research (2)  
 Manufacturer of Machinery, Equipment, Chemicals or Supplies (7)  
 Pulp and Paper/Paperboard Manufacturing (1)  
 Woodlands Operation (3)  
 Other \_\_\_\_\_

### 2. What is your primary job function?

- (Please select 1 letter only from A - J) Please place a check in the box provided next to your job function.  
 A  Librarians - Corporate  
 D  Technical/Research & Development  
 G  Marketing & Sales  
 B  Corporate Management  
 E  Engineering  
 H  Traffic & Shipping  
 C  Production  
 F  Purchasing & Stores  
 I  Other Management & Administrative Personnel  
 J  Other \_\_\_\_\_

### 3. How long have you been employed in the flexible packaging, converting, or related industries?

- Less than five years  Five to 9 years  10 to 19 years  20 or more years

## LYONDELL CHEMICAL COMPANY TOUR

Space is limited and pre-registration is required. If you are interested in attending the tour please check here \_\_\_\_\_. Tour participants will be notified via e-mail by September 1, 2006. Please include your e-mail address above.

## NEW TECHNOLOGY SHOWCASE

If interested in presenting a topic in the New Technology Showcase, please contact Kristi Ledbetter of TAPPI at 770-209-7319. There are a limited number of presentation slots, taken on a first-come, first-serve basis. Cost of an eight minute time slot is \$600, which will be applied as a sponsorship to the conference networking events on Monday and Wednesday evenings.

## 2006 TAPPI PLACE CONFERENCE REGISTRATION OPTIONS & FEES

	On/Before Aug. 25	After Aug. 25	TOTAL
Member of TAPPI	US\$795	US\$1155	
Nonmember	US\$995	US\$1555	
Speaker (attending full conference)*	US\$270	US\$360	
Speaker (single day)*	US\$90	US\$180	
Single Day - Member	US\$485	US\$640	
Single Day - Nonmember	US\$640	US\$965	
Retired	US\$200	US\$200	
Student	N/C	N/C	
Smart Packaging Workshop	US\$650	US\$650	
Academic Teacher/Professor	US\$300	US\$300	
<input type="checkbox"/> Join TAPPI and Save! (Add applicable GST or HST for Canadian Membership)	US\$154	US\$154	
	<b>TOTAL FEE</b>		

\* "Speaker" is defined as a presenter of a technical paper within the conference, and does not include presenters of New Technology Showcase presentations. If a presenter of a New Technology Showcase presentation is not also a presenter of a conference technical paper, then the standard TAPPI member rate would apply for registration to attend the conference and receive all conference materials.

## PAYMENT

(All fees are in U.S. Dollars-No Wire Transfers)

Must accompany registration. Please convert checks to equivalent U.S. Currency.

- Enclosed is my check for the full amount (Make check payable to TAPPI)  
 Please bill my credit card (complete the following information)

Amex  Diner's Club  Discover  MasterCard  VISA

Credit Card # \_\_\_\_\_ Exp \_\_\_\_\_

Signature \_\_\_\_\_

Print name as it appears on card \_\_\_\_\_



Do you require special accommodations for handicapped access?  
 Yes

## 4 EASY WAYS TO REGISTER

### TAPPI Member Connection Center:

1.800.332.8686 (U.S.)

1.800.446.9431 (Canada)

+ 1.770.446.1400 (International)

Fax: + 1.770.209.7206

Online: [www.tappi.org](http://www.tappi.org)

Mail: TAPPI, P.O. Box 791190  
 Baltimore, MD 21279-1190 USA

### How did you find out about the event?

- TAPPI PLACE Brochure or e-mail notification  
 TAPPI ePLACE newsletter  
 TAPPI Website  
 PFFC magazine  
 PFFC website  
 Other \_\_\_\_\_

By checking and signing below I request a free subscription to *Solutions! for People, Processes, and Paper* (monthly; the official magazine of TAPPI and PIMA, free copy)

Yes  No

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Publisher reserves the right to determine qualification for free subscription.

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