



INNOVATIONS IN RECYCLING

## Recycled Content in Paper Production

Hilton Niagara Falls  
Niagara Falls, Ontario, Canada  
Conference: 23-26 September 2007  
Plant Tours: 27 September 2007

THIS EVENT IS CO-HOSTED BY TAPPI AND PAPTAC



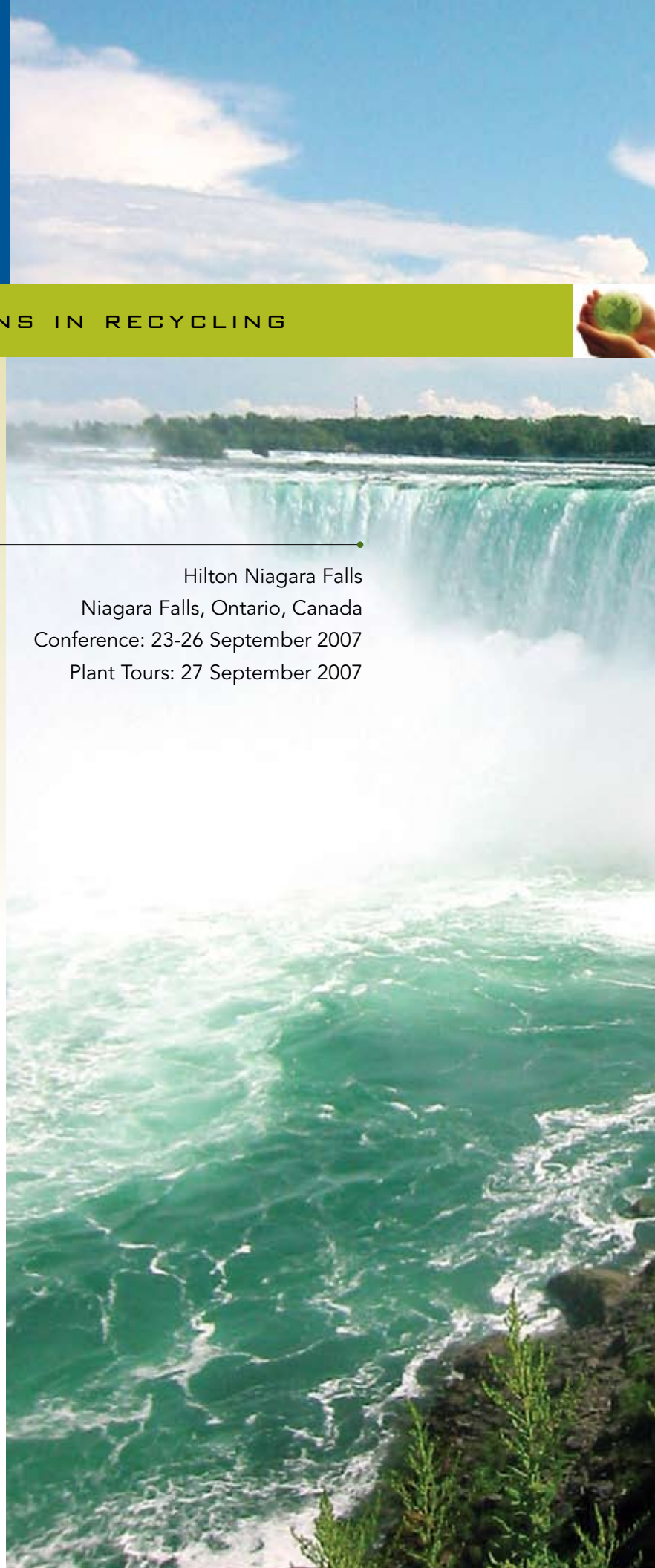
AND CO-SPONSORED BY



Recycled  
Paperboard  
Technical  
Association



Detailed Technical Information available online at  
[www.tappi.org/07recycle](http://www.tappi.org/07recycle)



The 8th Research Forum on Recycling will continue its history of highlighting cutting-edge research results from around the world. This year's event offers extraordinary opportunities for professional development and personal growth:

- Get the latest updates on recycling research
- Discuss and debate technical and operating issues
- Learn and network with experts and peers
- Identify future research needs of the recycling community.

Esteemed engineers, scientists, and practitioners will lead more than 35 cutting-edge presentations on all aspects of recycling technologies and operations for raw materials—with topics ranging from newsprint to mixed office waste.

### **SESSION 1 - Panel Discussion: Paper Recovery and Challenges Around the World**

*Session Chair: Danny Haynes, Eka Chemicals, Ltd.*

- Challenges to increase recycled material recovery
- Challenges to decrease contaminants

#### **Participants\*:**

Kunitaka Toyofuku, Executive Director  
JAPAN TAPPI

Dr. Ulrich Höke, Mill Manager of Stora Enso Sachsen Mill in Eilenburg  
Chairman of the INGEDE Board

Robert Tucker, Director of Recovered Paper  
Bowater

*\*subject to change*

### **SESSION 11 - Panel Discussion: Research Needs and Issues**

*Session Chair: Giles Dorris, PAPRICAN*

Hear industry leaders from around the world present their thoughts on industry research needs in recycling, reflect on the work presented during the conference and how it can help meet the needs of the industry.

#### **Participants\*:**

Shisei Goto, Nippon Paper

Gérard Galland, Centre Technique du Papier

Mahendra Doshi, Progress in Paper Recycling

*\*subject to change*

### **Plant Tours**

Enjoy two behind-the-scene tours and see these two plants in action:

**Thursday, 27 September 2007**

**Morning Tour:** Mill Tour of Recycle Plant-Thorold, Ontario, Canada at the Abitibi-Consolidated recycle plant\*

**Afternoon Tour:** Tour of Recovered Fiber Sorting Facility- Single stream sorting facility in Toronto\*

*\*subject to change*

Choose the plant that suits your interests. Transportation is provided, but you must pre-register to participate. Space is limited, so register early! (See registration form for pricing.)

### **Dinner at "Oh Canada, Eh?"**

A night away from the hotel and an entertaining dinner presentation. Relax, mix with fellow attendees and enjoy some local humor. Offered at no charge to full paid conference participants. (Single-day speaker registrants, spouses and guests can attend for a nominal fee. See registration form for pricing.)



### **Table Top Displays of Products and Services**

An opportunity to see the latest products and services first hand while meeting face-to-face with suppliers. Table Top Displays offer an opportunity to compare products and technologies side-by-side, ask questions and learn how new products can help you be more efficient, productive and cost-effective.

### **Sponsorship Opportunities Still Available**

Conference participants will be looking for the latest technology and new product introductions. Make sure your company is there to help them. Sponsorship puts your company front and center:

- Reach the top recycling experts in the field
- Network with colleagues, peers and customers
- Create awareness for your products and services

For information about Table Top Displays and Sponsorship, contact Tammi Campbell at +1-770-209-7405 or [tcampbell@tappi.org](mailto:tcampbell@tappi.org)—or simply visit [www.tappi.org/07RECYCLE](http://www.tappi.org/07RECYCLE).

## PRE-CONFERENCE WORKSHOP: Management and Control of Stickies Workshop

23 September 2007 - 12:30 to 15:30

A workshop designed for engineers, scientists and technicians who want to get a handle on stickies and related issues. This workshop should be attended by anyone using recycled pulps, working in recycling mills, or affiliated with companies supplying equipment, chemicals and recovered paper to the recycling industry.

This workshop will provide descriptions for macrostickies, microstickies, colloidal stickies, dissolved stickies, primary stickies and secondary stickies. These stickies cost millions of dollars to the industry, and this workshop offers an excellent overview for managing and controlling stickies:

- Learn the origin and properties of stickies
- Review problems caused by stickies
- Encounter new methods to measure concentration of stickies
- Discover new strategies for removing, pacifying and controlling stickies

Stickies cost millions of dollars to the industry. If you could save just one hour of machine downtime it would pay for the workshop many times over.



The Management and Control of Stickies Workshop will be led by Mahendra R. Doshi, executive editor of a quarterly journal launched in 1991, *Progress in Paper Recycling*. Mr. Doshi has published several books including a four volume series *Paper Recycling Challenge*. He is also the author of *Recent Advances in Paper*

*Recycling – Stickies*. Doshi is a TAPPI Fellow and the recipient of The Pulp Manufacture Division Technical Award, the Johan C. F. C. Richter Prize and The Paper and Board Division Award, and the Harris O. Ware Prize.

The cost of this workshop is \$175 if registered before 24 August 2007, and \$225 if registered after 24 August 2007. Fees include participant workshop notes and a beverage break. You do not have to be a registered conference attendee to participate, but you must register for the workshop. (See the Registration Form in this brochure.)

## Pre-Order Books at a Discount

As a conference or workshop attendee, you can pre-order any of these publications by Mahendra R. Doshi, receive a 15% discount, and pick them up at the conference. To order see the registration form.

### Recent Advances in Paper Recycling - Stickies

One of the chief challenges in paper recycling – stickies, is addressed in this 190+ page book. Topics include Quantification and Analysis; Separation Technology; Deposits and Pacification; Recycling Compatible Adhesives. Regular Price: \$95.00 / Conference Price: \$80.00  
ISBN 0-9657447-5-2

### Paper Recycling Challenge, Vol. II, Deinking & Bleaching

This three-part book includes Fundamentals of Deinking and Bleaching, Recent Developments and an Anthology of related papers. Regular Price: \$110.00 / Conference Price: \$93.00  
ISBN 0-9657447-1-X

### Paper Recycling Challenge, Vol. III, Process Technology

This comprehensive, information-packed book covers all stock preparation operations of paper recycling. If you must have just one book on paper recycling, this is it. Regular Price: \$105.00 ea. / Conference Price: \$89.00  
ISBN 0-9657447-3-6

### Paper Recycling Challenge, Vol. IV, Process Control & Mensuration

Topics covered include optical properties, speck measurement by image analysis, macro and micro stickies quantification methods, advanced online monitoring and control, fiber fractionation, refining, and more. Regular Price: \$75.00 ea. / Conference Price: \$63.00  
ISBN 0-9657447-4-4





## Sunday, 23 September 2007

### Management and Control of Stickies Workshop

Led by **Mahendra Doshi**, *Progress in Paper Recycling* (separate registration required, see registration form for details)

## Monday, 24 September 2007

Program Chair: **John Cameron**, *Western Michigan University*

### Wecome Address

Conference Chair: **Danny Haynes**, *Eka Chemicals, Ltd.*

### Session 1: Panel Discussion: Paper Recovery and Challenges Around the World

Session Chair: **Danny Haynes**, *See Program Highlights for session details*

### Session 2: Paper Recovery and Quality

Session Chair: **Bruno Carré**, *Centre Technique du Papier*

The Limits of Paper Recycling - An European Approach to Identify and Extend the Limits of Paper Recycling in Europe, **Harald Grossmann**, *Technische Universität Dresden*

Recyclability of Graphic Paper Products, **Hans-Joachim Putz**, *PMV-TU Darmstadt*

The New Techpap NIR Spectroscopy for Recycled Bale Inspection, **Didier Rech**, *Techpap*

Recovered Paper Yield Estimate Using Laboratory and Mill Accounting Data, **Robert DeJong**, *2 Fiber Consulting*

### Session 3: Old Corrugated Containers and Related Issues

Session Chair: **Joe Cable**, *Buckman Laboratories Inc.*

EcoFracSmart: A New Stock Preparation Process for Testliner, **Karl Johan Grundström** and **Marco Lucisano**, *STFI-Packforsk AB*

Enzymatic Strength Development in OCC, **Rosy Corarrubias** and **Daniel Glover**, *Buckman Laboratories*  
Eliminating a Common OCC "Stickies" Problem, **Matt Blazey**, *CIBA Specialty Chemicals*

### Session 4: Improving Unit Operations

Session Chair: **Terry Bliss**, *Hercules, Inc.*

Superior Tools for Adjustable Screening Process, **Minna Puro**, *Metso Paper*

High Performance Foil Rotor Improves De-Ink Pulp Screening, **Cameron Pflueger**, *Advanced Fiber Technologies (AFT)*

High-Speed Dispersing Between Two Deinking Loops: Are There Optimisation Possibilities, **Bruno Carré** and **Benjamin Fabry**, *Centre Technique Du Papier*

## Tuesday, 25 September 2007

### Session 5: Flotation Equipment

Session Chair: **Garnet Bremner**, *Nalco*

Analysis of Ink Elimination in Flotator, **Junsuke Kawana**, *Oji Paper Co., Ltd.*

First Flotation Column in a Paperboard Recycling Plant, **Yuxia Ben**, *PAPRICAN*

Interaction of Flotation Cell Operating Variables, **Henry Peters**, *Abitibi-Consolidated Co.*

### Session 6: Deinking I

Session Chair: **Aanon Røring**, *Norske Skog*

Natural Surfactants in Paper Recycling, **Richard Venditti**, *North Carolina State University*

A Comparison Between NaOH, Mg(OH)<sub>2</sub> and Na<sub>2</sub>SO<sub>3</sub> in the Deinking of ONP / OMG, **Michel Dubreuil**, *Arkema Inc.*

Component Removal in Sequential Deinking Flotation, **Mika Körkkö**, *University of Oulu*

Investigation on the Behaviour of Undesirable Constituents, **Antje Kersten**, *Darmstadt University of Technology*

### Session 7: Deinking II

Session Chair: **Yves Dionne**, *Bowater*

Assessment of Deinking Chemistry Performance: From Laboratory Tests to the Simulation of an Industrial Pre-Flotation Line, **Davide Beneventi**, *Ecole Francaise De Papeterie Et Des Inc.*

Ink Detachment, Fragmentation and Alkali Darkening During Pulping of ONP:OMG Part II: Effects of Sodium Sulphite, **Luc Lapierre**, *PAPRICAN*

Laboratory Study to Evaluate Methods for Deinking Flexographic Newsprint, **Akpojotor Shemi**, *Georgia Institute of Technology*

### Session 8: Stickies Analysis

Session Chair: **Hans-Joachim Putz**, *PMV-TU Darmstadt*

A New Method for Measuring Deposition of Microstickies Using QCM-D Technique, **Shisei Goto**, *Nippon Paper Industries Co. Ltd.*

Assessment of Methods for the Measurement of Macrostickies in Recycled Pulps, **Bruce Sitholé**, *PAPRICAN*

Properties of Water-borne Pressures Sensitive Adhesive Films During Recycling Operations, **Carl Houtman**, *USDA Forest Products Lab*

An Headspace Gas Chromatographic Technique for Measuring Microstickies in Recycling Mill White Water, **Junyong Zhu**, *USDA Forest Products Lab*

## SCHEDULE AT A GLANCE

### Sunday, 23 September 2007

12:00 – 18:30	Registration Open
12:30 – 15:30	Management and Control of Stickies Workshop*
15:30 – 16:30	TAPPI Recycling Committee Meeting**
16:30 – 18:30	PAPTAC Recycling Committee Meeting**

### Monday, 24 September 2007

07:00 – 19:00	Registration Open
07:00 – 08:00	Speaker Breakfast
07:00	Table Top Display Set-up
08:00 – 08:15	Welcome Address
08:15 – 09:30	Session 1: Panel Discussion: Paper Recovery and Challenges Around the World
09:30 – 10:00	Break
10:00 – 12:00	Session 2: Paper Recovery and Quality
12:00 – 13:30	Lunch on own
13:30 – 15:00	Session 3: Old Corrugated Containers and Related Issues
15:00 – 15:30	Break
15:30 – 17:00	Session 4: Improving Unit Operations
18:30 – 19:30	Welcoming and Table Top Display Reception

### Tuesday, 25 September 2007

07:00 – 17:00	Registration Open
07:00 – 08:00	Speaker Breakfast
08:00 – 09:30	Session 5: Flotation Equipment
09:30 – 10:00	Break
10:00 – 12:00	Session 6: Deinking I
12:00 – 13:30	Lunch on own
13:30 – 15:00	Session 7: Deinking II
15:00 – 15:30	Break
15:30 – 17:30	Session 8: Stickies Analysis
18:00	Buses depart to Dinner at "Oh Canada, Eh?" venue

### Wednesday, 26 September 2007

07:00 – 17:00	Registration Open
07:00 – 08:00	Speaker Breakfast
08:00 – 09:30	Session 9: Analysis Development
09:30 – 10:00	Break
10:00 – 11:00	Session 10: Fiber and Fines Quality
11:00 – 11:15	Break
11:15 – 12:15	Session 11: Panel Discussion: Research Needs and Issues
12:15 – 13:30	Lunch on own
13:30 – 15:00	Session 12: Bleaching
15:00 – 15:30	Break
15:30 – 17:00	Session 13: Recycle Fiber at the Paper Machine
17:00	Table Top Display Tear Down

### Thursday, 27 September 2007

Morning	Mill Tour of Recycle Plant
Afternoon	Tour of Recovered Fiber Sorting Facility (expect tour to end by 17:00)

\*separate registration required, see registration form for details

\*\*open to all conference attendees

### Wednesday, 26 September 2007

#### Session 9: Analysis Development

Session Chair: **Shisei Goto**, Nippon Paper Industries Co. Ltd.

An AFM Study of the Surface Properties of Fiber Upon Progressive Recycling, **Adam Brancato**, IPST at Georgia Institute of Technology

New Approach to Measurement of Effective Residual Ink Concentration of Deinked Papers, **Carl Houtman**, USDA Forest Products Lab

Analysis of Pulp Components in a DIP Process with Tube Flow Fractionation, **Ossi Laitinen**, University of Oulu

#### Session 10: Fiber and Fines Quality

Session Chair: **John Cameron**, Western Michigan University

LbL Nanocoating for Fiber Recycling - Improved Paper Recycling Through Fiber Polycation/Polyanion Multilayer Nanocoating, **George Grozdits**, Louisiana Technical University, School of Forestry

Fine Particles Separation in Recovered Paper Suspensions, **Jörg Wagner**, Darmstadt University of Technology, PMV

#### Session 11: Panel Discussion: Research Needs and Issues

Session Chair: **Giles Dorris**, PAPRICAN

See Program Highlights for session details

#### Session 12: Bleaching

Session Chair: **Carl Houtman**, USDA Forest Products Lab

Comparison of DIP Bleachability Between Traditional Soap and Reduced Alkaline Chemistries, **Jouko Niinimäki**, University of Oulu

Improving Deinked Pulp Quality by Oxidation with TEMPO, **Julie Leroux**, CIPP/Univ. Quebec Trois-Rivieres

TAED Activator for Peroxide Bleaching of Recycled Pulp, **Jeffery Hsieh**, Georgia Institute of Technology

#### Session 13: Recycle Fiber at the Paper Machine

Session Chair: **Yuxia Ben**, PAPRICAN

Flotation Column: A Process Unit for Cleaning Up Papermachine Whitewater Circuits, **Yves Dionne**, Bowater

Effect of High Temperature Drying of Recycled Paper on Heat Transfer Rates and Sheet Properties, **Dania Alsaïd**, Western Michigan University

Using The Measurement of Colloidal Organics To Relate To Paper Machine Runnability, **Danny Haynes**, Eka Chemicals, Ltd.

### Thursday, 27 September 2007

**Morning Tour:** Mill Tour of Recycle Plant-Thorold, Ontario, Canada at the Abitibi-Consolidated recycle plant\*

**Afternoon Tour:** Tour of Recovered Fiber Sorting Facility-Single stream sorting facility in Toronto\*

\*subject to change

Choose the plant that suits your interests. Transportation is provided, but you must pre-register to participate. Space is limited, so register early! (See registration form for pricing.)

## Discounted Air Travel



Delta is the official airline for all TAPPI events. For Special Rates, book your flight online at the conference web page: [www.tappi.org/07recycle](http://www.tappi.org/07recycle). Simply scroll to the bottom of the webpage and click on the Delta Logo.

## Ground Transportation

Niagara Falls is convenient to both the Buffalo, New York airport and the Toronto, Ontario airport.

Niagara Air Bus is offering 2007 Recycling Research Conference attendees discounted ground transportation from both the Toronto and Buffalo Airports. Attendees will save 10% with the conference code and another 10% off on-line with our special web fares. To get the best fares, book at least 24 hours before your arrival.

**Online reservations receive  
an additional 10% discount!**

To book a seat, go online, call or fax:

- Go online to [www.niagaraairbus.com](http://www.niagaraairbus.com) and follow the reservation instructions. Your airline and flight number (of flight landing in Toronto or Buffalo) and a valid credit card number will be required.
- Or call +1-905-374-8111
- Or fax your flight arrival information and request for your seat (along with your contact information) to: 800-206-7222

Conference Code: 323

Code is valid for transportation between 21 and 28 September, 2007 for travel before and after the Recycling Research Conference

Look for the Ground Transportation Booth on Arrival Level at Toronto or Buffalo Airports. Cancellations must be made 24 hours or more for refunds.

## Hotel Information

A block of rooms has been reserved for the "TAPPI/PAPTAC- 2007 Recycling Research Conference" at the Hilton Niagara Falls. To reserve your room at this discounted price, be sure to make your reservations on or before 24 August 2007.

Hilton Niagara Falls  
6361 Fallsview Blvd.  
Niagara Falls, ON L2G 3V9  
Canada  
Phone: +1-905-354-7887  
Toll Free: 888-370-0325  
Fax: +1-905-374-6707  
Email: [inform@hospitalitymotels.ca](mailto:inform@hospitalitymotels.ca)



To reserve your room online, go to [www.tappi.org/07recycle](http://www.tappi.org/07recycle) and follow the link provided to the Hilton Niagara Falls. You can also reserve your room by calling 800-339-5023 ext. 55501, faxing +1-905-353-7132 or by email at [lorraine.snihur@hospitalitymotels.ca](mailto:lorraine.snihur@hospitalitymotels.ca). Be sure to indicate you're attending the conference. The group rate code is: TAPI

Discounted Room Rate: Sunday through Friday: Standard City View \$149 single/double; Saturday Rate: Standard City View \$199 single/double; plus applicable taxes. Falls View rooms may be available, but not at this discounted rate. Note: A \$25 per person additional charge for triple or quadruple occupancy, plus applicable taxes. Valid credit card required. To reserve your room at this discounted price, be sure to make your reservations on or before 24 August 2007.

Reservations made after this date cannot be guaranteed the group room rate listed above. Cancellation policy: You can cancel this reservation up to 48 hours prior to your arrival date. If cancellation is received after 48 hours prior to arrival, one night of your stay will be charged to the credit card number on file.

## Forum Registration Cancellation Policy and Refunds

If you find that you have to cancel, your full registration fee will be refunded if TAPPI's Registration Department receives written notification (fax acceptable at +1-770-446-6947) by 24 August 2007. Please note: There will be a 50% refund for all written cancellations made between 24 August 2007 and 14 September 2007. Understandably, after this time, no refunds can be issued. Substitutions, however, will be accepted any time without a penalty.



# REGISTRATION FORM

BTH RESEARCH FORUM ON RECYCLING  
23-26 SEPTEMBER 2007  
NIAGARA FALLS, ONTARIO, CANADA

## 1. WHAT TYPE OF COMPANY DO YOU WORK FOR? (check one)

- Pulp and Paper/Paperboard Manufacturing (1)
- Consulting Firm or Independent consultant (2)
- Woodlands Operations (3)
- Paperboard Packaging Headquarters (4AH)
- Converting Plant-Corrugated Packaging (4A)
- Converting Plant-Packaging, Polymers, Laminates (4B)
- Converting Plant-Tissue (4C)
- Supplier (Manufacturer of Machinery, Equipment, Chemicals & Shipping) (7)
- Distributors, Dealers, Exporters, Importers, Mill Supply Houses (8)
- Educational Institutions (9)
- Press, Library (other than University), Association, Government (10)
- Miscellaneous, allied to the field (12)
- Retired (13)
- Nonwovens (14)
- Printing/Graphic Arts (15)
- Industry Customer (End User) (16)

## 2. WHAT IS YOUR PRIMARY JOB FUNCTION? (check one)

- Librarians – Corporate (A)
- Corporate Management (B)
- Production (C)
- Technical/Research & Development (D)
- Engineering (E)
- Purchasing & Stores (F)
- Marketing & Sales (G)
- Traffic & Shipping (H)
- Other Management & Administrative Personnel (I)

## 3. WHAT IS YOUR PRIMARY INDUSTRY? (check one)

- Pulp Mill Only (P)
- Paper/Paperboard Mill Only (R)
- Integrated Pulp/Paper/Paperboard Mill (D)
- Technical/R&D Facility/Headquarters (H)
- Independent Operations/Converting Plant (O)

## 4. HOW DID YOU HEAR ABOUT THE CONFERENCE? (check one)

- Tappi.org website
- Email
- Brochure
- Newsletter
- Colleague/Co-worker

## 5. WHEN CHOOSING A CONFERENCE THE MOST IMPORTANT FACTOR TO ME IS:

- Registration Fee
- Travel Costs
- Program Content
- Meeting Location
- Networking/Peer Interactions
- Access to new technology
- Access to customers

Do you require special accommodations for handicapped access?  Yes  No

By checking and signing below I request a free subscription to Paper360° (monthly); the official magazine of TAPPI and PIMA, free copy)  Yes  No

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

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

The contact information you provide may be used by TAPPI or it's business associates to notify you of items that may be of interest to you. I understand that under certain laws and regulations, TAPPI must have written permission in order to communicate with me via fax or e-mail. I hereby give TAPPI, TAPPI's business associates, the TAPPI Foundation, and TAPPI's Local Sections written permission to communicate with me via:

- Fax and/or  E-mail

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

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

## FOUR EASY WAYS TO REGISTER

- 1) Mail – TAPPI, P.O. Box 933644, Atlanta, GA 31193-3644, USA
- 2) Online – go to [www.tappi.org/07recycle](http://www.tappi.org/07recycle)
- 3) Fax completed registration form by fax to +1.770.209.7206
- 4) Phone 1.800.332.8686 (US), 1.800.446.9431 (Canada) or +1.770.446.1400 (Worldwide)

## GENERAL INFORMATION (Please print or type. Submit a separate form for each attendee, spouse of guest.)

Please circle: Mr. Ms. Mrs. Dr. Sr. Jr.

First Name \_\_\_\_\_ MI \_\_\_\_\_ Last Name \_\_\_\_\_

TAPPI Member # \_\_\_\_\_ Badge Name \_\_\_\_\_

Title \_\_\_\_\_

Company Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_

Zip/Postal Code \_\_\_\_\_ Country \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

Registration Fee (circle only one) • All fees are in US Dollars.	On or Before 24 August 2007	After 24 August 2007
Member*	\$850	\$1,420
Non Member	\$1,275	\$2,130
Single Day Registration – Member*	\$470	\$780
Single Day Registration – Non Member	\$700	\$1,170
Speaker, Full Conference	\$425	\$710
Speaker, Single Day (speakers may attend the day they are speaking for free.) Indicate day: _____ (Registration does not include ticket for "Oh, Canada, Eh?" Dinner.)	No charge	No charge
Group Discount – Member* (three or more attending from the same company, registrations must be received together)	\$640	\$1,205
Group Discount - Nonmember (three or more attending from the same company, registrations must be received together)	\$955	\$1,810
Management and Control of Stickies Course – Sunday, 9/23	\$175	\$225
Retired Member	\$470	\$470
Students (full time, must have valid student ID)	\$100	\$100
Spouse/Guest (Oh Canada, Eh? ticket not included)	No Charge	No charge
Extra Ticket for "Oh Canada, Eh?" Dinner	\$55	\$65
Morning Tour - Mill Tour of Recycle Plant-Thorold, ON, Canada**	\$10	\$15
Afternoon Tour - Tour of Recovered Fiber Sorting Facility -Toronto**	\$10	\$15
I would like to contribute \$_____ to the Wayne Carr Scholarship Fund. (contribution is tax deductible in US)		

Pre-Order Recycling Books (Order by 24 August to guarantee this special pricing and availability. Circle the book(s) that you would like to order.)	
Recent Advances in Paper Recycling - Stickies - 08RAPRS	\$80
Paper Recycling Challenge, Vol. II, Deinking & Bleaching - 08PRC2	\$93
Paper Recycling Challenge, Vol. III, Process Technology - 08PRC3	\$89
Paper Recycling Challenge, Vol. IV, Process Control & Mensuration - 08PRC4	\$63
<input type="checkbox"/> Renew My Membership for 2007	\$164 plus applicable taxes
<input type="checkbox"/> Join TAPPI and Save! (\$164 applicable)	\$164 plus applicable taxes
<b>TOTAL DUE</b>	<b>\$</b>

\*Member discounts are available to members of TAPPI, PAPTAC, ABTCP, APPITA, JapanTAPPI, KoreaTAPPI, RPTA, SPCI, CTP in good standing. To qualify for member discount, please circle your organization (from above list) and supply your Member Number: \_\_\_\_\_

\*\* subject to change

## METHOD OF PAYMENT (All fees must be paid in U.S. Dollars and must accompany registration forms)

Checks: Enclosed is check number \_\_\_\_\_ for the full amount of \$ \_\_\_\_\_

Please mail checks to TAPPI, P.O. Box 933644, Atlanta, GA 31193-3644, USA  
(Make checks payable to TAPPI, check must be in US dollars).

Wire Transfer: \$ \_\_\_\_\_ was wired as payment on \_\_\_\_\_ (date)

Please bill my credit card:  Amex  Diner's Club  Discover  MasterCard  Visa

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

Signature \_\_\_\_\_

**REGISTRATION QUESTIONS?** Call 1.800.332.8686 (US), 1.800.446.9431 (Canada) or +1.770.446.1400 (Worldwide) or email [memberconnection@tappi.org](mailto:memberconnection@tappi.org)



INNOVATIONS IN RECYCLING



15 Technology Parkway South  
Norcross, GA 30092, USA

THIS EVENT IS CO-HOSTED BY TAPPI AND PAPTAC



AND CO-SPONSORED BY



Detailed Technical Information available online at  
[www.tappi.org/07recycle](http://www.tappi.org/07recycle)