The 2007 conference is a four-day event focusing on the innovative technologies available in the mechanical pulping industry. Professionals from all genres of the mechanical pulping industry will present sessions focusing on global production, new applications, energy efficiency, and product quality. Attendees will have the opportunity to hear presentations on the Fundamentals of Mechanical Pulping, as well as learning about some pioneering technologies in the industry, such as:

- Fiber Characteristics
- Stone Groundwork
- Chemi Thermo Mechanical Pulp
- Raw Materials
- Bleaching
- Mill Reports

**Keynote Speakers**

The 2007 IMPC will feature two compelling keynote presenters: **Guy Gleysteen**, VP, Paper and Digital Development, *Time, Inc.* and **Frank Dottori**, former President and CEO, *Tembec Inc.* Mr. Gleysteen’s presentation will take place on Monday, May 7 during the General Session from 8:30 am to 10:00 am; while Mr. Dottori will be speaking at the Closing Session on Wednesday, May 9 at 5:00 pm.

Mr. Gleysteen and Mr. Dottori will both deliver presentations giving insights into future requirements for printing properties, permanence, runnability and environmental concerns, as well as touch on global sourcing.

**Gala Dinner and Awards Ceremony**

Join us the evening of Tuesday, May 8 at 7:00 pm for this offsite event. Dinner and transportation will be provided to all attendees of the conference. It is sure to be a memorable night.

**Venue**

TAPPI has reserved a block of rooms at the Minneapolis Marriott City Center in Minneapolis, MN. A special discount is available for attendees that reserve rooms from this block. In order to obtain the best rate available, please call 1.800.228.9290 or 1.612.349.4000 to make your reservations. Be sure to identify yourself as a TAPI/IMPC Conference attendee.

Rates: $144.00 for Single and Double Occupancy (Plus local and state taxes). Special rate available until Friday, April 20, 2007; after this date rates may change.

**Travel Information**

**Delta Air Lines - TAPPI’s Official Airline for Conferences, Meetings and Events**

TAPPI has partnered with Delta Air Lines as the official airline for meeting and business travel for 2007. For special rates, go to www.delta.com to make reservations and enter SkyBonus account number US445684101.

**AVIS**

Special car rental discounts are available through Avis. To check rates and to reserve a vehicle, please call 1.800.331.1600 and refer to Worldwide Discount Number U226699.
### Preliminary Conference Schedule

#### Monday May 7, 2007

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 am - 10:00 am</td>
<td>General Session and Keynote Speaker introduction by David McDonald</td>
</tr>
<tr>
<td>10:00 am - 11:00 am</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>11:00 am - 12:00 pm</td>
<td>Fundamentals Session Chair: Bill Strand</td>
</tr>
<tr>
<td>The Origin and Control of Pulp Stress During High-Consistency Refining</td>
<td>Keith B. Miles, Principal Scientist</td>
</tr>
<tr>
<td>Ingunn Omholt, Senior Scientist</td>
<td>Pulp and Paper Research Institute of Canada</td>
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<tr>
<td>Using Refining Zone Temperature Profile for Quality Control</td>
<td>David Sikter, Chalmers University of Technology, Speaker</td>
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<tr>
<td>Anders Karlstrom, Chalmers Industrieteknik</td>
<td>Per Engstrand, Holman Paper Development Center</td>
</tr>
<tr>
<td>12:00 pm</td>
<td>Lunch Buffet</td>
</tr>
<tr>
<td>1:30 pm - 3:00 pm</td>
<td>Fundamentals Continued Session Chair: Tom Browne, Paprican</td>
</tr>
<tr>
<td>High Strain Rate Compression and Sliding Friction of Wood Under Refining Conditions</td>
<td>Brigitta Svensson, Speaker</td>
</tr>
<tr>
<td>Sven-Erik Holmgren, PerGradin and Hans Högglund, Mid Sweden University</td>
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<tr>
<td>Minimizing TMP Energy Consumption Using a Combination of Chip Pretreatment, RTS and Multiple Stage Low Consistency Refining</td>
<td>Mark Sabourin, Andritz, Speaker</td>
</tr>
<tr>
<td>Refining Mechanisms and Development at TMP Properties in a Low Consistency Refiner</td>
<td>Oddbjorn Eikens, Paper and Fibre Research Institute, Speaker</td>
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<tr>
<td>Lars-Ake Hammar, STFI-Packforsk</td>
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<tr>
<td>3:00 pm</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>3:30 pm - 5:00 pm</td>
<td>Fundamentals Continued Session Chair: Jeffery S. Hsieh, Georgia Institute of Technology</td>
</tr>
<tr>
<td>Power Consumption and Fibre Development in a TMP Refiner Plate Gap - Comparison of Unidirectional and Standard Refiner Segments</td>
<td>Mirja Ilijikainen, Speaker</td>
</tr>
<tr>
<td>Esko Härkönen, Jouko Niinimäki</td>
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<tr>
<td>Forces on Bars in High-Consistency Mill-Scale Refiners: Effect of Consistency</td>
<td>Paul Francescetti, Speaker</td>
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<tr>
<td>D. Olender, P. Wild, and P. Byrnes, University of Victoria, BC</td>
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<tr>
<td>Ultra High Pressure (10 -12 bar) TMP and its Energy Recovery Options</td>
<td>Heinrich Muenster, Speaker</td>
</tr>
<tr>
<td>5:00 pm</td>
<td>Poster Reception</td>
</tr>
<tr>
<td>6:30 pm</td>
<td>Offsite Dinner hosted by Supplier Companies</td>
</tr>
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#### Tuesday May 8, 2007

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:30 am - 10:00 am</td>
<td>Fiber Characteristics Session Chair: Ola Johansson, J&amp;L Fiber Services</td>
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<tr>
<td>Ways to Measure the Bonding Ability Distribution of Fibers in Mechanical Pulp</td>
<td>Olof Fennstius, Speaker</td>
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<tr>
<td>Sofia Reyier, Stora Enso Sweden, Oleg Shagaev, Noss AB</td>
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<tr>
<td>Law Energy Shive Separation; Evaluation of a New Method of Fibre Processing</td>
<td>Karl Murton, Speaker, John Richardson</td>
</tr>
<tr>
<td>Optimum Refining of Thermomechanical Pulp by Means of Primary Pulp Fractionation</td>
<td>A. Fleruc, Lanouette, UQTR, R.J.P. Bousquet, Metso Paper, S. Bussieres, Papier Masson</td>
</tr>
<tr>
<td>10:00 am</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>10:30 am - 12:00 pm</td>
<td>Fiber Characteristics Continued Session Chair: Jean-Pierre Bousquet, Metso Paper Ltd.</td>
</tr>
<tr>
<td>Ductile Reinforcement Kraft Pulp in TMP-Based Furnishes</td>
<td>Jessica Sjoberg, Speaker</td>
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<tr>
<td>Hans Högglund, Midsweden University</td>
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<tr>
<td>Tailoring Printing Paper Properties - Potential and Weakness of Mechanical Pulps in Multilayered Sheets</td>
<td>Kathrin Morseburg, Speaker</td>
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<td>Gary Chinga, Paper and Fibre Institute, Norway</td>
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<tr>
<td>Moisture-Induced Surface Roughness in TMP Sheets - Effects of Coarse Fibre Decollapse and Internal Bond Strength</td>
<td>Sven Norgen, Speaker</td>
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<tr>
<td>Hans Högglund, Midsweden University</td>
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<tr>
<td>12:00 pm</td>
<td>Lunch Buffet</td>
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<tr>
<td>1:00 pm - 3:00 pm</td>
<td>Stone Groundwood Session Chair: Grant Byras</td>
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<tr>
<td>(Concurrent with 1st Chemi Thermo Mechanical Pulp Session)</td>
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<tr>
<td>Simulation of Fatigue Related Variables in Wood Grinding</td>
<td>Tomas Björkqvist, Speaker, Tampere University of Technology</td>
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<tr>
<td>Matti Tienni and Mikael Lucander, KCL</td>
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<tr>
<td>Fatigue Treatment of Wood by High Frequency Cyclic Loading</td>
<td>Sari Panula-Ontto, Speaker, Mikael Lucander, KCL</td>
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<tr>
<td>Groundwood: Within-Stroke, Automatic Optimization of Pulp Quality, Specific Energy &amp; Throughput</td>
<td>Donald B. Brewster, Speaker</td>
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<tr>
<td>Kenneth W. Corscadden, OpTest Equipment, Inc.</td>
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<tr>
<td>3:30 pm - 5:00 pm</td>
<td>Chemi Thermo Mechanical Pulp Continued Session Chair: Per Engstrand</td>
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<tr>
<td>Interactions Among Components in the Primary Cell Wall of Norway Spruce (Picea Abies): How They are Affected by Different Chemimechanical Treatments?</td>
<td>Jasna Stevanic Srdovic and Lennart Salmén</td>
</tr>
<tr>
<td>De-esterification and Sulphonation in CTMP: Effects on Pulp and Paper Properties</td>
<td>Jonas Konn, Speaker</td>
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<tr>
<td>Andrey Pranovich, Bjarne Holmbom Laboratory of Wood and Paper Chemistry, Åbo Akademi University</td>
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<tr>
<td>3:00 pm - 3:30 pm</td>
<td>Coffee Break</td>
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<tr>
<td>3:30 pm - 5:00 pm</td>
<td>CTM for Paper Board Session Chair: Nicklas Klinga, Speaker</td>
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<tr>
<td>Improving TMP Rejects Refining Through Alkaline Peroxide Pre-treatment for Value Added Mechanical Papers</td>
<td>Yuzhou Bian, Speaker</td>
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<tr>
<td>Yonghao Ni, Univ. of New Brunswick Zhirun Yuan, Cyril Heitner, Paprican and Serge Beaulieu, Consultant</td>
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<tr>
<td>Energy Efficient High Quality CTMP for Paper Board</td>
<td>Christer Sandberg, Holmen Paper</td>
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<tr>
<td>Synergistic Effects Between Chemical Mechanical Pulps and Chemical Pulps from Hardwoods</td>
<td>Eric C. Xu, Andritz Inc., Speaker</td>
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<tr>
<td>7:00 pm</td>
<td>Gala Dinner</td>
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### Wednesday May 9, 2007

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:30 am - 10:00 am</td>
<td>Raw Materials (Concurrent with Bleaching)</td>
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<tr>
<td></td>
<td>Session Chair: Philip Reme, PFI</td>
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<tr>
<td></td>
<td>Selection of Raw Material Offers New Energy-</td>
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<td>Property Combinations for Mechanical Pulp</td>
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<tr>
<td></td>
<td>Sari Liukkonen, Speaker</td>
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<td></td>
<td>Annikki Vehnänen, Jan Sirviö, KCL</td>
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<td></td>
<td>The Effect of Extractives on the Disruptive</td>
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<td>Shear Stress of Pine Thermomechanical Pulps</td>
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<td>Mirja Illikainen, Speaker</td>
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<td></td>
<td>Esko Härkönen, Jouko Nimismäki</td>
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<td></td>
<td>Seasonal Extractive Variations in Tree, Chips</td>
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<td>and TMP and Their Impact on Paper Quality</td>
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<td>Lars Hilden, Speaker</td>
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<td>Erik Persson, Holmen Paper Development Centre</td>
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<tr>
<td>10:00 am - 10:30 am</td>
<td>Coffee Break</td>
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<tr>
<td>10:30 am - 12:00 pm</td>
<td>Raw Materials Continued (Concurrent with Bleaching)</td>
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<tr>
<td></td>
<td>Session Chair: Dan Hogan</td>
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<td></td>
<td>Jack Pine TMP: Earlywood Versus Latewood</td>
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<td>and Effect of Refining Temperature</td>
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<td>F. Huang, Speaker</td>
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<td>R. Lanouette, K.N. Law,</td>
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<td></td>
<td>Centre Intégré en Pâtes et Papiers</td>
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<td>Université du Québec Trois-Rivières</td>
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<td>Experiences with the Utilization of Bark-</td>
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<td>Beetle-Killed Norway Spruce (Picea Abies)</td>
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<td></td>
<td>in Mechanical Pulping Operations</td>
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<td>Martin Gotz, Speaker</td>
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<td>Gero Becker, Institute of Forest Utilization</td>
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<td>and Work Science, Siegfried Fink, Institute</td>
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<td></td>
<td>of Forest Botany, Albert-Ludwigs-University</td>
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<tr>
<td>12:00 pm - 1:30 pm</td>
<td>Lunch Buffet</td>
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<tr>
<td>1:30 pm - 3:00 pm</td>
<td>Mill Reports Continued (Concurrent with Bleaching)</td>
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<td></td>
<td>Session Chair: Brad Cort, Andritz, USA</td>
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<td></td>
<td>Increasing Flexibility for Time of Day</td>
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<td>Pulping at Alberta Newsprint Company</td>
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<td>Surendra Singh, Speaker</td>
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<td>Chesley Mills, Alberta Newsprint Company,</td>
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<td>Norm Wild, Poyyi, Inc.</td>
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<td>3:00 pm - 3:30 pm</td>
<td>Coffee Break</td>
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<tr>
<td>3:30 pm</td>
<td>Mill Reports Continued</td>
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<td></td>
<td>Session Chair: Mark Fritth</td>
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<td></td>
<td>Application of Refiner Plate Technology</td>
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<td>to Improve Pulp Quality and Reduce Energy</td>
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<td></td>
<td>Luc Gingras, Speaker</td>
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<td></td>
<td>Ron Musselman, Andritz/Durametal</td>
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<td></td>
<td>Mill Experiences of Evacuating Refiner Plates</td>
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<td></td>
<td>Ola Johansson, J&amp;L Fiber Services, Inc,</td>
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<td></td>
<td>Speaker</td>
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<td>Russell Steed, Roger Jones,</td>
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<td>Neil Murray, Pan-Pacific Ltc.</td>
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<tr>
<td>5:00 pm</td>
<td>Closing Session and Keynote Speaker</td>
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</tbody>
</table>

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### Welcome Reception

Join us for a Welcome Reception at the Minneapolis Marriott City Center from 6 - 7:30 pm. Enjoy appetizers and cocktails while you meet your fellow conference attendees.
GENERAL INFORMATION

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

TAPPI Memb. # ________________ Badge Name ________________

Title ____________________________

Company Name ____________________________

Company Address ____________________________

City ____________________________ State/Province ____________

Zip/Postal Code ____________ Country ____________ Telephone ____________

Fax ____________________________ Email ____________________________

REGISTRATION PROFILE

1. What type of employer do you work for?
   - Pulp and Paper/Paperboard Manufacturing (1)
   - Consulting Firm or Independent Consultant (2)
   - Converting Operation (4)
   - 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)
   - Printing/Graphic Arts (15)
   - Independent Operations/Converting Plant

2. What is your primary job function?
   - Librarians - Corporate
   - Corporate Management
   - Production
   - Technical/Research & Development
   - Engineering
   - Purchasing & Stores
   - Marketing & Sales
   - Traffic & Shipping
   - Other Management & Administrative Personnel
   - Other

3. What is your primary industry?
   - Pulp Only
   - Paper/Paperboard Only
   - Integrated Pulp/Paper/Paperboard Mill
   - Technical/R & D Facility/Headquarters
   - Other

2007 INTERNATIONAL MECHANICAL PULPING CONFERENCE REGISTRATION OPTIONS & FEES

<table>
<thead>
<tr>
<th>On/Before March 30</th>
<th>March 30 - April 27</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member of TAPPI, ABTOP, PAP Tac, PI, PTF or SPCI</td>
<td>US$825</td>
<td>US$1025</td>
</tr>
<tr>
<td>Multi-registrant: Best value is 3 or more members from the same company. All must register at the same time.</td>
<td>US$825</td>
<td>US$1025</td>
</tr>
<tr>
<td>Nonmember</td>
<td>US$975</td>
<td>US$1125</td>
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<tr>
<td>Single Day Member (Specify Day)</td>
<td>US$425</td>
<td>US$550</td>
</tr>
<tr>
<td>Single Day Nonmember (Specify Day)</td>
<td>US$625</td>
<td>US$750</td>
</tr>
<tr>
<td>Retired</td>
<td>US$625</td>
<td>US$625</td>
</tr>
<tr>
<td>Student (full time undergraduate or graduate)</td>
<td>No charge</td>
<td>No charge</td>
</tr>
<tr>
<td>Sustaining Member Coupon</td>
<td>US$875</td>
<td>US$875</td>
</tr>
<tr>
<td>Join TAPPI: Join now and receive the Member rate for the Conference. You’ll also receive Paper360° at no extra charge. (Canadian residents must include GST or HST)</td>
<td>US$164</td>
<td>US$164</td>
</tr>
</tbody>
</table>

Speaker Options

- Speaker (Full conference) | US$825 | US$825 |
- Speaker One Day (Specify Day) | No charge | No charge |

TOTAL FEE

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

TAPPI OFFICE USE ONLY

Code: 07IMPC

Check: ____________ Company # ____________ BPM Code ____________ Personal # ____________

4 EASY WAYS TO REGISTER

TAPPI Registration:
1.866.850.0999 (US and Canada)
+1.404.760.8177 (International)

Fax: +1.404.240.0998

Online: www.tappi.org/07IMPC

Mail: TAPPI, 3525 Piedmont Road, Five Piedmont Center, Suite 300, Atlanta, GA 30305

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 its 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 email. 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 ☐ email.

Signature: ____________________________
Date: ____________________________

Do you require special accommodations for handicapped access?

☐ Yes

Cancellation Policy

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 404-240-0998) by March 30, 2007. Please Note: there will be a 50% refund for all written cancellations made after March 30, 2007 but no later than 5 business days prior to the start of the conference. Understandably, after this time, no refunds can be issued. Substitutions, however, will be accepted at any time without a penalty.

Please photocopy this form as necessary for multiple registrants.