Special benefits for conference attendees:

Enhance your knowledge and skills by attending dozens of thought-provoking sessions on the latest hot topics from all aspects of paper manufacturing including production, process control, quality control, and more.

See what’s new and what’s next at the TAPPI 06 Exhibit, the New Technology Showcase and the Annual Pub and Poster Session.

Presenting Sponsor: metso

Premier Sponsors: VOITH, Buckman Laboratories
The Energy track will focus on ways to combat rising production costs caused by soaring fuel and electrical costs. The comprehensive track will cover energy-saving opportunities from the stock preparation and whitewater systems through the dryer section steam and air systems. Some of the world’s top papermaking specialists will use a “base case” paper machine to put dollar values on potential energy saving opportunities for your mills.

Some questions that will be answered during the sessions include:

- How should you measure paper machine energy consumption so you can manage it?
- How do your machines compare to the recent TAPPI paper machine energy survey?
- Which areas should you focus on to get the biggest bang for your buck?

The Energy track will be full of opportunities to reduce energy consumption and cost, beginning with a kick-off session and roundtable Tuesday morning through a wrap-up session and roundtable Thursday afternoon that will allow you to discuss key learnings from the track and savings opportunities you can take home with you to your mills.

The Efficiency Track features the ever-popular Papermakers Roundtable as well as sessions on optimizing headbox forming and production, wet end measurement and control, and using oscillation detection to optimize plant efficiency.

The Leadership track will focus on equipping paper machine superintendents to do their jobs better. In this practical track, superintendents will discover tools and ideas that will enhance their skills and make their jobs easier. Designed specifically for paper mill superintendents, this track will also benefit supervisors and anyone who wants to move into a management role. Suppliers and consultants who work with mill superintendents will also find these sessions interesting.

With a mix of roundtable discussions, tutorials, and traditional conference sessions, the Leadership Track will cover two major issues: the business of papermaking, and selecting and managing people. Specific topics to be covered include running the paper machine like a business, maximizing supplier expertise, running better mill trials, selecting the right people for the right jobs, and conducting more valuable performance reviews.

Ideal for professionals from all aspects of paper manufacturing, the Papermakers Conference is presented by the following TAPPI member groups:

- Paper and Board Division
- Process Control, Electrical and Information Division
- Process and Product Quality Division
- Engineering Division Committees:
  - Water Removal
  - Asset Management
  - Fluid Mechanics

OPTIMIZING ENERGY, EFFICIENCY, AND LEADERSHIP

The Papermakers conference will be presented in three dynamic tracks: Energy, Efficiency, and Leadership/Training.
LEARN EVEN MORE WHEN YOU ATTEND SESSIONS OF THE TAPPI COATING AND GRAPHIC ARTS CONFERENCE AT NO EXTRA CHARGE

TAPPI’s 2006 Coating and Graphic Arts Conference will be held concurrently with the Papermakers Conference. When you register for either the Papermakers or the Coating and Graphic Arts Conference you can attend any sessions of the other one at no extra charge.

TAPPI’s Coating and Graphic Arts Conference will focus on providing immediately useful information for coated paper and paperboard producers. The program will highlight new ways to maximize mill assets by using current coating technology. This unique conference provides opportunities to learn about the latest advances in coating materials, application and analysis. Conference participants will take home practical ideas and solutions they can implement immediately to improve their return on investment. As an added bonus, the Conference Proceedings CD distributed to all attendees will contain all papers presented in both conferences. You can see all the Coating and Graphic Arts Conference details online at www.tappi.org/coating06

INTERNATIONAL CONFERENCE ON NANOTECHNOLOGY FOR THE FOREST PRODUCTS INDUSTRY

Stay over after the Papermakers Conference for the International Conference on Nanotechnology for the Forest Products Industry, April 26-28. Participants will explore how emerging nanotechnologies are a catalyst for reinventing and revitalizing an industry that’s facing fierce competitive pressures and economic challenges.

SPECIAL FEATURES

Conference Welcome, Awards and Keynote Address
Tuesday, April 25, 8:00 a.m. – 9:30 a.m.

The Keynote Address will be presented by Charles E. Hodges. Hodges is a member of TAPPI’s Board of Directors and recently retired as Sr. Vice President for Georgia-Pacific Corporation in Crossett, Arkansas.

Pub and Poster Session
Tuesday, April 25, 4:30 p.m. - 6:30 p.m.

Open to all attendees, the Poster Session illustrates some of the newest ideas in the industry. In this informal technical forum, several individual authors present new information, results or data on posters. The posters will be available for view and study Monday through Thursday during registration hours.

New Technology Showcase
Wednesday, April 26, 8:00 a.m. - 9:30 a.m.

The industry’s best and brightest representatives will make live presentations on their research and product applications. Contact Kristi Ledbetter at kledbetter@tappi.org or 770.209.7319 for information on participating in the New Technology Showcase.

Runnability 3 Mile Fun Run and 1.5 Mile Walk
Wednesday April 26, 6:30 a.m.

Opportunities are available for runners, walkers, and sponsors for the Runnability 3 Mile Fun Run and 1.5 Mile Walk. Prizes will be awarded for 1st, 2nd, and 3rd place finish in each event. All participants will receive a T-shirt. This year, proceeds will be donated to the TAPPI Engineering Division Scholarship fund which awards scholarships annually to deserving college students in pulp and paper science and technology programs. Help some bright students achieve a future career in the pulp and paper industry. Complete details and registration forms are available online at www.tappi.org/papermakers06.

Papermakers and Coating and Graphic Arts Conference Reception at the Georgia Aquarium
Wednesday, April 26, 6:00 - 8:00 p.m.

The joint TAPPI Coating and Graphic Arts and Papermakers Conference Reception will be held at the brand-new Georgia Aquarium. Transportation will be provided. Attendance is free for all registered Papermakers and Coating and Graphic Arts Conference attendees. Tickets will be available on site for exhibitors and exhibit visitors.

TAPPI 06 EXHIBIT

The TAPPI 06 Exhibit has something for everyone. Held in conjunction with three comprehensive conferences, the TAPPI 06 Exhibit features leading industry suppliers showcasing their latest products and services all in one place. A one-stop shopping experience, the TAPPI Exhibit will include products and services for coating and graphic arts, papermaking, process control, quality control, and more.

Exhibit Hours
Monday, April 24 - 6:00 p.m. - 8:00 p.m.
Tuesday, April 25 - 4:30 p.m. - 6:30 p.m.
Wednesday, April 26 - 12:00 p.m. - 2:00 p.m.
## TAPPI 06 Papermakers Conference Preliminary Technical

**see www.tappi.org/papermakers06 for the latest technical program**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30 AM</td>
<td>Hot Topics Breakfast</td>
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<tr>
<td>8:00 AM</td>
<td>Paper &amp; Board Division Steering Committee</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Energy Kick-off Session</td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Keynote Address</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Lunch</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Bill Babbington Roundtable</td>
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<tr>
<td>10:30 AM</td>
<td>Additives Committee</td>
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<tr>
<td>11:00 AM</td>
<td>Papermakers Committee</td>
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<tr>
<td>11:30 AM</td>
<td>Lunch in Exhibit Hall</td>
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<td>12:00 PM</td>
<td>Lunch</td>
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**Tuesday, April 25, 2006**

<table>
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<tr>
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<tbody>
<tr>
<td>7:30 AM</td>
<td>Fun Run Wednesday 6:30 am</td>
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<tr>
<td>8:00 AM</td>
<td>Leadership/Training</td>
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<tr>
<td>8:30 AM</td>
<td>Efficiency</td>
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<tr>
<td>9:00 AM</td>
<td>Keynote Address</td>
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<tr>
<td>9:30 AM</td>
<td>Lunch</td>
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<tr>
<td>10:00 AM</td>
<td>University of Georgia Superintendents Competency Study Review</td>
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<tr>
<td>10:30 AM</td>
<td>Bill Babbington Roundtable</td>
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<td>11:00 AM</td>
<td>Additives Committee</td>
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<td>Lunch in Exhibit Hall</td>
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**Wednesday, April 26, 2006**

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:30 AM</td>
<td>Leadership/Training</td>
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<td>8:00 AM</td>
<td>Efficiency</td>
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<tr>
<td>8:30 AM</td>
<td>Keynote Address</td>
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<tr>
<td>9:00 AM</td>
<td>Lunch</td>
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<tr>
<td>9:30 AM</td>
<td>Papermakers New Technology Showcase</td>
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<tr>
<td>10:00 AM</td>
<td>Lunch in Exhibit Hall</td>
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<tr>
<td>10:30 AM</td>
<td>Fluid Mechanics Committee</td>
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<tr>
<td>11:00 AM</td>
<td>Water Removal Committee</td>
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<tr>
<td>11:30 AM</td>
<td>Lunch in Exhibit Hall</td>
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**Thursday, April 27, 2006**

<table>
<thead>
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<th>Time</th>
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<td>Leadership/Training</td>
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<td>8:00 AM</td>
<td>Efficiency</td>
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<tr>
<td>8:30 AM</td>
<td>Keynote Address</td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Lunch</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Papermakers Roundtable</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Lunch in Exhibit Hall</td>
</tr>
<tr>
<td>10:30 AM</td>
<td>Papermakers Specialist Committee</td>
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<tr>
<td>11:00 AM</td>
<td>Lunch</td>
</tr>
</tbody>
</table>

### Energy Kick-off Session
- Paper Machine Energy Considerations
- Opportunities in Paper Drying for Energy Conservation
- Roundtable

### Developing Successful Supervisors
- Consistency Control: Systematic and Scientific Design Leads to Many Different Strategies
- Optimizing Press Section and Paper Machine Performance and it goes in the Wet End Measurement and Control session
- Optimizing Machine Efficiency Through Fiber Quality Management

### Water Conservation
- Energy and Water Savings from the Paper Machine
- Energy Conservation in the Stock Preparation of Paper Machines

### Press Section Optimization
- Engineered Nip Design
- Steam Savings with Steam Showers
- Reduction in Energy Costs by Press Section Optimization

### Effects of Chemistry on Paper Machine Energy Consumption
- Novel Wet End Technology
- New Efficient Mixing System of Papermaking Additives
- Fiber Modification with Enzymes
- The Effect of Polymer Conformation on Microparticle Efficiency

### Understanding Markets
- Identification of Future Printing Industry Trends
- Mapping the Morphology of Market Pulps - Worldwide

### Measurement & Analysis
- Attack Your Paper Making Issues With CAT Benefits and
- Advantages of Automated Paper Testing StatMorf, A New
- Way to Predict Paper Properties

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**Exhibit Open**
- 12:00 pm to 2:00 pm

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**Photo courtesy of StoraEnso**
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>1:00 PM</td>
<td>Papermaking Additives Officers Meeting</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>Microbiology &amp; Microbial Technology Committee</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Drying Subcommittees</td>
</tr>
<tr>
<td>2:30 PM</td>
<td>Monitoring and Benchmarking</td>
</tr>
<tr>
<td>3:00 PM</td>
<td>Optimizing Headbox Forming &amp; Production</td>
</tr>
<tr>
<td>3:30 PM</td>
<td>Improving Machine Efficiency</td>
</tr>
<tr>
<td>4:00 PM</td>
<td>Mill-Wide Conservation-Panel</td>
</tr>
<tr>
<td>4:30 PM</td>
<td>Electrical Energy Conservation</td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Drying Energy Conservation</td>
</tr>
<tr>
<td>5:30 PM</td>
<td>Market Trends for Papermakers</td>
</tr>
<tr>
<td>6:00 to 8:00 PM</td>
<td>Exhibit Open/Public &amp; Poster</td>
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</table>

**Monitoring and Benchmarking**

- Paper Machine Energy Monitoring
- Mill Wide Energy Conservation for Process Optimization
- Energize Your Benchmarking
- Using Thermal Imaging to Aid in Energy Savings in Paper Mills
- Implementing a Paper Machine Energy Audit
- Conservation Through Energy Supply Optimization

**Optimizing Headbox Forming & Production**

- Assessing the Slice in Terms of Turbulence Control and Sheet Quality
- Towards a Better Understanding of Pulp Suspension Flows
- Development of Flexible Fiber Simulations
- Effects of Counter Blades on Paper Properties: Newsprint
- 3-D Simulation of Paper Structure in View of Optimizing Paper Production

**Improving Machine Efficiency**

- The Effect of Wet Pressing on Different PCC Morphologies When Pressed to Conventional Press Solids and Shoe Press Solids
- Optimizing Sizing and Retention Efficiency in Bleached Board Applications at Low pH
- Immediate and Efficient Mixing of Wet End Additives Close to the PM Headbox
- Off Odors in Finished Paper and Paperboard Products

**Mill-Wide Conservation-Panel**

- The Role of Paper Machines in Mill-Wide Energy Conservation Efforts - Panel Discussion
- Making the Most of Your Knowledge
- The Keys for Planning for Successful Evaluations, Leadership and Project Management
- Optimizing the Whole - Making Complex Operations Make Money

**Electrical Energy Conservation**

- Energy Considerations for New and Existing Paper Machine Vacuum Systems
- Strategies for Optimizing Pump Efficiency and Life Cycle Performance
- Energy and the Stock Tank Mixer
- Energy Savings Through Optimized Refining

**Drying Energy Conservation**

- Optimizing Dryer Section Steam Use
- Dryer Optimization and Energy Savings
- Energy Cost Analysis and Optimization of Open, Closed and High Humidity Hoods

**Forming Tutorial: New Forming Technology Forum**

**Forming Case Studies**

- Part 2: Practical Ways to Assess in Field Energy Deficiencies of Yankee Hood Hot Air Systems
- Gas-Fired Heating Approach for Improvement of Paper Drying and Energy Efficiency

**Wrap-up and Planning Meeting**

**Photo courtesy of StoraEnso**
REGISTER EARLY AND SAVE!
Conference registration fees for either the Papermakers or the Coating and Graphic Arts Conference are $795 for TAPPI members and $1,195 for non-members who register by March 24. Save even more when you bring a group. Fees are as low as $595 per person when three or more people from the same location register together by March 24.

TAPPI members can save even more when you register for both the Papermakers and Nanotechnology Conferences for just $995 before March 24. See the registration form for complete details. To register, complete the attached form or call TAPPI’s Member Connection at 1-800-332-8686 (US), 1-800-446-9431 (Canada) or +1-770-446-1400. Or, register online at www.tappi.org/papermakers06.

HOTEL AND TRAVEL INFORMATION
Atlanta Marriott Marquis • 265 Peachtree Center Avenue
Atlanta, Georgia 30303 USA • 404-521-0000

To take advantage of special TAPPI room rates of $129 single/double, $149 triple, or $169 quad, call PASSKEY at 800-266-9432 or you can go online and follow the link at www.tappi.org/papermakers06. Special Group rates are only available up to the cut-off date of March 24, 2006. For changes to reservations after the cut-off date of March 24, 2006, please call the hotel directly at 404-521-0000 or 888-855-5701. Please contact Colm Reid at the hotel directly for information about suites at 404-586-6060 or email to: colm.reid@marriott.com

Delta Air Lines:
TAPPI’s Official Airline for Conferences, Meetings and Events. The Simple, Affordable, Convenient Way To Fly
Simply go to www.delta.com to make reservations and enter TAPPI’s SkyBonus account number US445684101.

Avis Rent A Car
TAPPI has arranged for special car rental discounts through Avis. To check rates and to reserve a vehicle, please call 1-800-331-1600 and refer to Worldwide Discount Number U226699.

CONFERENCE SPONSORSHIP AND EXHIBIT INFORMATION
Exhibit space and conference sponsorship opportunities are still available. Contact Clare Reagan at creagan@tappi.org or 770-209-7271.
**GENERAL INFORMATION**

Please circle:  Mr.    Ms.    Mrs.    Dr.    Sr.    Jr.     Name   TAPPI Memb. #

Badge Name ______________________ Title ______________________ Spouse/Guest Name ______________________

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)  If your employer is a Pulp and Paper Manufacturer, please select 1 letter ONLY from either D, R, P, or H from Question 3 below.
   - ___ Consulting Firm or Independent Consultant (2)
   - ___ Converting Operation (4) If your employer is a Converting Operation, please select 1 letter ONLY from either H or O from Question 3 below.
   - ___ 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)

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 F Purchasing & Stores
   - B Corporate Management G Marketing & Sales
   - C Production H Traffic & Shipping
   - D Technical/Research I Other Management & Development
   - E Engineering J Other

3. What is your primary industry?
   - P     Pulp Mill Only
   - R     Paper/Paperboard Mill Only
   - D     Integrated Pulp/Paperboard Mill
   - H     Technical/R & D Facility/Headquarters
   - O     Independent Operations/Converting Plant

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.

**CONFERENCE REGISTRATION OPTIONS & FEES**

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<tr>
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<th>On/Before March 24</th>
<th>After March 24</th>
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<td>Member of TAPPI or PIMA</td>
<td>US$795</td>
<td>US$1195</td>
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<tr>
<td>Nonmember</td>
<td>US$1195</td>
<td>US$1795</td>
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<td>Three or more nonmembers from the same company</td>
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<td>Single Day - Member</td>
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<td>Single Day - Nonmember</td>
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<td>US$985</td>
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<tr>
<td>Retired</td>
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<td>*Speaker (single day complimentary for day of presentation)</td>
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<td>*Speaker (attending full conference)</td>
<td>US$595</td>
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<tr>
<td>Student</td>
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<tr>
<td>Spouse/Guest Registration - no formal tours are planned</td>
<td>N/C</td>
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<tr>
<td>Exhibitor (admission to exhibit only)</td>
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<td>Visitor to Exhibit Only</td>
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<tr>
<td>Coating or Papermakers Conference and Nanotechnology Conference Combination</td>
<td>$995</td>
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**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)
   - Diner's Club
   - Discover
   - MasterCard
   - VISA

Credit Card # ______________________ Exp ______________________

Signature ______________________ Date ______________________

Print name as it appears on card

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 and date ______________________

**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 770-209-7206) by March 24, 2006. Please Note: there will be a 50% refund for all written cancellations made after March 24, 2006 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 any time without a penalty.

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 hard copy).  ☐ Yes  ☐ No

Signature: ______________________ Date: ______________________

Publisher reserves the right to determine qualification for free subscription.

Do you require special accommodations for handicapped access?  ☐ Yes

$159 TAPPI membership Fee  ☐ Renew my membership for 2006

Join TAPPI and Save! (Add applicable GST or HST for Canadian Membership)

*Available to Presenter Only.

Please photocopy this form as necessary for multiple registrants.
Special benefits for conference attendees:

Enhance your knowledge and skills by attending dozens of thought-provoking sessions on the latest hot topics from all aspects of paper manufacturing including production, process control, quality control, and more.

See what’s new and what’s next at the TAPPI 06 Exhibit, the New Technology Showcase and the Annual Pub and Poster Session.

Meet and share ideas with hundreds of paper manufacturing and coating professionals attending the Papermakers Conference, the Coating and Graphic Arts Conference, the TAPPI 06 Exhibit, and the International Conference on Nanotechnology for the Forest Products Industry—all at the same time!

Learn even more when you attend sessions of the TAPPI Coating and Graphic Arts Conference at no extra charge.