



NEW FOR 2006!—THE FIRST CONFERENCE OF ITS KIND FOR THE FOREST PRODUCTS INDUSTRY!



APRIL 26-28, 2006 | ATLANTA MARRIOTT MARQUIS | ATLANTA, GEORGIA



### Small-Particle Science...A Catalyst for Transformation

Understand how nanotechnology can revolutionize the forest products industry.

Learn about the latest scientific breakthroughs.

Find out how you can position your business at the leading edge of nanotechnology.

Discover sources of funding for research and development.

Discuss environmental, health, and safety issues and solutions.

# INTERNATIONAL CONFERENCE ON NANOTECHNOLOGY FOR THE FOREST PRODUCTS INDUSTRY

Join A Prestigious Group of Organizations at This Event



# 2006 INTERNATIONAL CONFERENCE ON NANOTECHNOLOGY FOR THE FOREST PRODUCTS INDUSTRY

APRIL 26-28, 2006 | ATLANTA MARRIOTT MARQUIS | ATLANTA, GEORGIA

Emerging nanotechnologies offer the potential to develop entirely new approaches for producing engineered wood- and fiber-based materials. Nanotechnology could transform the forest products industry in virtually all aspects - ranging from production of raw materials, to new applications for composite and paper products, to new generations of functional nanoscale lignocellulosics.

No matter whether your work is focused at the macro- or the micro- level, this conference brings you the most up-to-date information about developments and opportunities in this exciting field. Find out more about:

- Economic drivers and opportunities for nanotechnology in the industry
- Lignocelluloses and other nanoscale materials in the laboratory
- Funding for nanotechnology programs

## Designed For:

- Business Leaders
- Researchers
- Chief Technology Officers
- Academicians
- Strategic Planners
- Students
- And Others!



## NANOTECHNOLOGY PROGRAMS AND FUNDING PANEL

Find out how to identify funding sources and how to apply for grants. Be sure to attend the Nanotechnology Programs and Funding Panel on Friday, April 28, at 10:45 a.m.

### Global government funding of nanotechnology research was \$3 billion in 2002.

US National Nanotechnology Initiative (NNI)

### U.S. federal government funding for nanotechnology research in 2005 was \$982 million, up from \$116 million in 2001.

Office of Management and Budget,  
The Executive Office of the President of the US

### The 2006 budget request that President Bush sent to Congress calls for a total National Nanotechnology Initiative of just over \$1 billion.

US National Nanotechnology Initiative (NNI)

### An estimated 2 million workers will be needed to support nanotechnology industries worldwide within 15 years.

US National Science Foundation (NSF)

## POSTER SESSIONS

Don't miss this opportunity to hear about the latest developments in:

- Paper Coatings
- Colloid Crystals
- Composites
- Wet End
- Solid Wood
- Health & Safety

# CONFERENCE SPONSORSHIP

## JOIN A PRESTIGIOUS GROUP OF ORGANIZATIONS IN SUPPORT OF THIS EVENT:

### QUANTUM SPONSORS

Agenda 2020-American Forest & Paper Association (AF&PA)  
University of Alaska-Fairbanks  
Sappi North America  
USDA Cooperative State Research, Education, and Extension Service (CSREES)  
USDA Forest Service-Forest Products Laboratory (FPL)  
West Virginia University



sappi

### ATOMIC SPONSOR

Battelle-Pacific Northwest National Laboratory (PNNL)



### MOLECULAR SPONSORS

American Chemical Society, Cellulose Division  
Mississippi State University  
North Carolina State University  
University of Maine  
University of Tennessee  
USDA CSREES - Natural Resources and Environmental  
USDA CSREES - Plant and Animal Systems



### COLLABORATING PARTNERS

AICHE Forest Products Division  
Appita  
Forest Products Society (FPS)  
International Academy of Wood Science (IAWS)  
Materials Research Society (MRS)  
National Nanotechnology Initiative (NNI)  
Paper Industry Technical Association (PITA)  
Pulp and Paper Education and Research Alliance (PPERA)  
Pulp and Paper Technical Association of Canada (PAPTAC)  
Society of Wood Science and Technology (SWST)  
U.S. Environmental Protection Agency, Office of Research & Development  
Zellcheming



### 2006 PAPERMAKERS AND COATING AND GRAPHIC ARTS CONFERENCE AND EXHIBIT

The International Conference on Nanotechnology for the Forest Products Industry will be held during the same week as the TAPPI 2006 Papermakers Conference and the TAPPI 2006 Coating and Graphic Arts Conference and Exhibit. Participants of the International Conference on Nanotechnology for the Forest Products Industry are invited to fly in early to also attend either one of these other conferences; a discounted combination conference fee is available. Information about all of the conferences is available at [www.tappi.org/06nano](http://www.tappi.org/06nano).

### TAPPI 06 EXHIBIT

The TAPPI 06 Exhibit has something for everyone! Held in conjunction with three comprehensive conferences, the exhibit features leading industry suppliers showcasing their latest products and services all in one place. A one-stop shopping experience, the TAPPI 06 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.

If your organization would like to participate as a sponsor, please contact Clare Reagan at + 1.770.209.7271 or [creagan@tappi.org](mailto:c Reagan@tappi.org).

# 2006 INTERNATIONAL CONFERENCE ON NANOTECHNOLOGY FOR THE FUTURE

see [www.tappi.org/06nano](http://www.tappi.org/06nano) for the latest technical program

## WEDNESDAY, APRIL 26

8:00 a.m. - 8:45 a.m.

### Session: 1 Opening Session/Keynote Presentation

Session Co-Chairs

Phil Jones, Imerys

Ted Wegner, USDA Forest Products Lab

#### Keynote Speaker

### Bioinspired Nanotechnology: Green Chemistry and Sustainable Manufacturing

Dr. John Warner, University of Massachusetts Lowell

9:00 a.m. - 10:30 a.m.

### Session: 2 Health and Safety Panel

Panel Moderator

Nora Savage, US EPA

Panelists:

Vladimir Murashov, NIOSH, Loretta Schuman, OSHA,

Lori Perine, AF&PA

10:45 a.m. - 12:15 a.m.

### Session: 3 Naturally Occurring Carbohydrate, Cellulose, and Cell Wall Nanostructure

Session Chair

Paul Gatenholm, Chalmers University of Goteborg

### Immunolabeling as a Tool for Understanding the Spatial Distribution of Cell Wall Components and Their Biosynthetic Enzymes

Candace H. Haigler and Avci Utku, North Carolina State University

### Nanoscale Structures of Native Celluloses and Their Denaturation During Pulping

Rajai Atalla, USDA Forest Products Laboratory

10:45 a.m. - 12:15 p.m.

### Session: 4 Forest Products Industry Nanotechnology Workshop Report Out Panel

Panel Moderator

Theodore H. Wegner, USDA Forest Products Laboratory

Panelists:

#### Forest Products Industry Workshop

Daniel Coughlin, Sappi

### Path Forward for NanoBiomaterials Derived from Lignocellulosics

Arthur J. Ragauskas, Inst. of Paper Science & Tech.

James Holberry, Pacific Northwest National Laboratory

Ted Wegner, USDA Forest Products Lab

Bob Ashurst, Auburn University

Harry Cullinan, Auburn University

Timothy Rials, UT Forest Products Center

### Potentials and Avenues for Nanotechnology in Canadian Wood Products

Alan Potter, Forest Research Opportunity BC

### Forest Products Industry Nanotechnology Workshop Report European Perspective: NanoForest

Tom Lindström, STFI-Packforsk

12:30 p.m. - 2:00 p.m.

### Session: 5 Luncheon Keynote

Session Chair

Pete Lancaster, Weyerhaeuser

#### Keynote Speaker

### Application of Nanotechnology in Pulp and Paper in Japan

Hideki Fujiwara, Nippon Paper

2:15 p.m. - 3:45 p.m.

### Session: 6 Nanofibrillar Cellulose

Session Chair

William Winter, State University of New York

### Cellulose Nanocrystals: From Discovery to Application

Maren Roman, Virginia Tech

William Winter, State University of New York

### Application of Enzymes in Nanofibre Production

Sreekumar Janardhnan and Sain Mohini, University of Toronto

### What Else Might You Do With Nanofibrillar Cellulose Besides Make Nanocomposites?

William Winter, State University of New York

2:15 p.m. - 3:45 p.m.

### Session: 7 Opportunities for Nanotechnology in Advancing Agenda 2020 Technology Platforms Panel

Panel Moderator

Lori Perine, AF&PA

Panelists:

#### Sustainable Forest Productivity

Dr. Maud Hinchee, ArborGen, LLC

#### Advancing the Forest Biorefinery

Eric Connor, ThermoChem Recovery International

#### Breakthrough Manufacturing and Technologies

Dr. David White, IPST @ Georgia Tech

#### Next Generation Fiber Recovery and Utilization

Dr. Theodore Wegner, USDA Forest Products Laboratory

#### Advancing the Wood Products Revolution

Dr. Mike Wolcott, Washington State University

4:00 p.m. - 5:00 p.m.

### Session: 8 Reinforced and Interfacial Structures I

Session Co-Chairs

Steve Shaler, University of Maine

Said Abubakar, Western Michigan University

Tim Rials, UT Forest Products Center

### New Production Method for Nano Silica Sol and Its Application for Papermaking

Koga Yoshiaki, Tokuyama Corporation

Kosuga Masanori, SEIKO PMC Corporation

### Preparation of Biosilica-Enriched Filler and its Use in Nano-Particle Retention System

Jan Pekarovic, Dan Fleming and Alexandra Pekarovicova,

Western Michigan University

4:00 p.m. - 5:30 p.m.

### Session: 9 Characterization and Measurement of Nanoscale Structures and Properties I

Session Co-Chairs

Don Baer, Pacific Northwest National Laboratory

Jim Beecher, USDA Forest Products Laboratory

### The Challenges and Opportunities of Measuring Properties of Nanoparticles and Nanostructured Materials: Importance of a Multi-Technique Approach

Donald Baer, Mark Engelhard, Chongmin Wang, Alan Lea,

and Klaus Pecher, Pacific Northwest National Laboratory

### Focused Argon Ion Beam Technology to Prepare Coated Paper Cross-Sections

Jon Marc Rodier and Michael Robinson, Sappi Fine Paper NA

### The Use of C-Near Edge X-Ray Absorption Fine Structure Spectroscopy for the Elaboration of Chemistry in Lignocellulosics

Lucian Lucia, North Carolina State University

Douglas Mancosky, Hydrodynamics

Hiroki Nanko, IPST @ Georgia Tech

Sue Wirick, Brookhaven National Laboratory

Alan Rudie, USDA Forest Products Laboratory

5:45 p.m. - 7:30 p.m.

### Session: 10 Conference Co-Sponsors and Cooperators Posters

### Evaluation of Interactions Between Coupling Agent, Wood and Polymer Matrix With Solid-State NMR

Erica Rude and Marie-Pierre Laborie, Washington State University

## **Nanotechnology for Paper Recycling**

*George Grozdits, Louisiana Tech University*

### **Sponsor Poster - FPL**

*Ted Wegner, USDA Forest Products Lab*

### **Sponsor Poster - Agenda 2020**

*Phil Jones, Imerys*

*Dan Coughlin, Sappi Fine Paper*

### **Sponsor Poster - PNNL**

*James Holberry, PNNL*

## **THURSDAY, APRIL 27**

**8:00 a.m. - 8:45 a.m.**

### **Session: 11 Keynote**

*Session Co-Chairs*

*Phil Jones, Imerys*

*Ted Wegner, USDA Forest Products Lab*

### **Keynote Speaker**

#### **The U.S. National Nanotechnology Initiative: A Multiagency, Multidisciplinary Program Leading to a Technology Revolution**

*Celia Merzbacher, Executive Director Presidential Council Advisors of Science and Technology, and the Office of Science Technology Policy*

**9:00 a.m. - 10:30 a.m.**

### **Session: 12 Hierarchical Structures from Lignocelluloses**

*Session Chair*

*Mike Bilodeau, University of Maine*

### **Cellulosic Bionanomaterials: Perspectives for Development**

*Wadood Hamad, PAPRICAN*

### **Cellulose Nanocomposites Designed from the Bottom-Up**

*Scott Rennecker, Wolfgang Glasser, Audrey Zink-Sharp, Virginia Tech*

**9:00 a.m. - 10:30 a.m.**

### **Session: 13 Applications Roundtable**

*Roundtable Moderator*

*Richard Chapas, PNNL*

*Panelists:*

*Steve Masia, Sappi North America, Phil Jones, Imerys*

*David Diehl, PPG, Alan Rae, NanoDynamics*

**10:45 a.m. - 12:15 p.m.**

### **Session: 14 Strategic Planning Panel**

*Panel Moderator*

*Chris Risbrudt, USDA Forest Products Laboratory*

*Panelists:*

*Dan Kugler, USDA CSREES*

*Michael Wolcott, Society for Wood Science Technology*

*Harry Cullinan, Auburn University*

**12:30 p.m. - 2:00 p.m.**

### **Session: 15 Luncheon Keynote**

*Session Chair*

*Phil Jones, Imerys*

### **Keynote Speaker**

*Linda Horton, Center for Nanophase Materials Sciences at Oak Ridge National Laboratory*

**2:15 p.m. - 3:45 p.m.**

### **Session: 16 Surface Modification and Characterization**

*Session Co-Chairs*

*Margaret Joyce, Western Michigan University*

*Tony Lyons, Imerys*

### **Nanoclay Hybrid Nanocomposites for Paper Barrier Coating**

*Qunhui Sun and Yulin Deng, Georgia Institute of Technology*

### **Nanoparticles for Paper: Getting Closer to the Application**

*Nigel Sanders, Specialty Minerals Inc.*

### **Layer-by-Layer Nanocoating on Lignocellulose Fibers: Conductive Polymers and Nanoparticles**

*Yuri Lvov, George Grozdits, Zonghuan Lu, and Mangilal Agrawal, Louisiana Tech University*

**2:15 p.m. - 3:45 p.m.**

### **Session: 17 Characterization and Measurement of Nanoscale Structures and Properties II**

*Session Co-Chairs*

*Don Baer, Pacific Northwest National Laboratory*

*Jim Beecher, USDA Forest Products Laboratory*

### **AFM Observations on Dimensional Changes of Individual Cellulose Fibril Aggregates in Variable Humidity Environments**

*Jung Myoung Lee, John Heitmann, Joel Pawlak, North Carolina State University*

### **Using Nano- and Micro-Particles of Silver in Lignin Analysis**

*Umesh Agarwal, USDA, Forest Products Laboratory*

### **Nanoindentation as a Tool for Understanding Nano-Mechanical Properties of Cell Wall and Biocomposites**

*Siqun Wang, Seung-Hwan Lee, William Tze, Tim Rials, and George Pharr, University of Tennessee*

**4:00 p.m. - 5:30 p.m.**

### **Session: 18 Colloid/Surface Science**

*Session Co-Chairs*

*Pete Lancaster, Weyerhaeuser*

*Tony Lyons, Imerys*

### **Novel Micro-Particles with Nano-Surface Features: Designing Optimal Liquid Interactions**

*Patrick Gane, Cathy Ridgway, and Joachim Schoelkopf, OMYA Development AG*

### **Transport Properties of Paper Materials: Nanoscale Effects by Simulation**

*Ramarao Bandaru and Sergiy Lavrykov, Empire State Paper Research Shri Ramaswamy, University of Minnesota*

### **Sol-Gel Synthesis of Hollow Titania Nanoparticles via a Hydrogel Sacrificial Core for Papermaking Filler Applications**

*Kimberly Nelson, Qunhui Sun, and Yulin Deng, IPST @ Georgia Tech*

**4:00 p.m. - 5:30 p.m.**

### **Session: 19 Nanotechnology Based Sensors Panel**

*Panel Moderator*

*Gerry Dykstra, Buckman Laboratories*

*Panelists:*

#### **A Quick Look at Nanosensors for the Pulp and Paper Industry**

*Gerry Dykstra, Buckman Laboratories*

#### **The Challenge of Putting Biosensors on Paper**

*Bob Pelton, McMaster University*

**5:45 p.m. - 7:30 p.m.**

### **Session: 20 Conference Co-Sponsors and Cooperators Posters**

### **Nanotechnology for Paper Recycling**

*George Grozdits, M. Gibson, S. Eadula, Yuri Lvov, Louisiana Tech University*

### **Evaluation of Interaction Between Coupling Agent, Wood and Polymer Matrix With Solid-State NMR**

*Erica Rude, Marie-Pierre Laborie, Washington State University*

### **Sponsor Poster - FPL**

*Ted Wegner, USDA Forest Products Lab*

### **Sponsor Poster - Agenda 2020**

*Phil Jones, Imerys, Dan Coughlin, Sappi Fine Paper*

### **Sponsor Poster - PNNL**

*James Holberry, PNNL*

*Program continued on next page*

# CONFERENCE HOTEL/TRAVEL/REGISTRATION INFORMATION

Register today at [www.tappi.org/06nano](http://www.tappi.org/06nano)

Program, continued from previous page

## FRIDAY, APRIL 28

8:00 a.m. - 8:45 a.m.

### Session: 21 Keynote Presentation

Session Co-Chairs

Phil Jones, Imerys

Ted Wegner, USDA Forest Products Lab

Keynote Speaker

### Synthetic Layered Silicate Materials for Paper and Polymeric Nanocomposite Applications

Juan Garces, Consultant

9:00 a.m. - 10:30 a.m.

### Session: 22 Reinforced and Interfacial Structures II

Session Co-Chairs

Steve Shaler, University of Maine

Said Abubakr, Western Michigan University

Tim Rials, UT Forest Products Center

### Understanding Nanoparticle/Microparticle Performance Through Visualization of Conformational Changes of a Retention Aid at the Nanoscale Level

Hiroki Nanko and Michelyn McNeal,

IPST @ Georgia Tech

### Nanoscale Fiber Surface Modification Implications on Thermoplastic Composite Adhesion

James Holberry, Leonard Fifield, Kayte Denslow,

Kevin Simmons, Pacific Northwest National Lab

9:00 a.m. - 10:30 a.m.

### Session: 23 Nanostructure/Nanoscale Optical, Mechanical, Thermal and Electrical Interactions Roundtable

Session Chair

Art Ragauskas, Georgia Tech

### Structure and Properties of Piezoelectric Oxide Nanowires and Nanobelts

Zhong Li Wang, Georgia Tech

### The Intersection of Biology and Materials Science

Amy Wong, George Whitesides, Harvard University

10:45 a.m. - 12:15 p.m.

### Session: 24 Nanotechnology Programs and Funding Panel

Panel Moderator

Phil Jones, Imerys

Panelists:

Jorn Larsen-Basse, National Science Foundation

Vladimir Murashov, NIOSH, Kristin Bennett,

Dept. of Energy, Catalino Blanche, USDA CSREES

## TENTATIVE SCHEDULE

### Wednesday, April 26, 2005

Registration Open

8:00 - 8:45 AM

Opening Session/  
Keynote Presentation

9:00 - 10:30 AM

Health and Safety Panel

10:45 - 12:15 PM

Sessions

12:30 - 2:00 PM

Lunch and  
Keynote Presentation

2:15 - 3:45 PM

Sessions

4:00 - 5:30 PM

Sessions

5:45 - 7:30 PM

Conference Co-  
Sponsors and  
Cooperators Posters/  
Table Top Reception

### Thursday, April 27

Registration Open

8:00 - 8:45 AM

Opening Session/  
Keynote Presentation

9:00 - 10:30 AM

Sessions

10:45 - 12:15 PM

Sessions

12:30 - 2:00 PM

Lunch and  
Keynote Presentation

2:15 - 3:45 PM

Sessions

4:00 - 5:30 PM

Sessions

5:45 - 7:30 PM

Conference Co-  
Sponsors and  
Cooperators Posters/  
Table Top Reception

### Friday, April 28

Registration Open

8:00 - 8:45 AM

Opening Session/  
Keynote Presentation

9:00 - 10:30 AM

Sessions

10:45 - 12:15 PM

Sessions

Conference Concludes

## REGISTER EARLY AND SAVE!

Conference registration fees for the 2006 International Conference on Nanotechnology for the Forest Products Industry are \$595 for TAPPI, ACS, AIChE, Appita, FPS, IAWS, MRS, PAPTAC, PIMA, PITA, PPERA, SWST and Zellcheming members who register by March 24. Registration fees are \$895 for non-members who register by 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/06nano](http://www.tappi.org/06nano).

## 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 follow the link on [www.tappi.org/06nano](http://www.tappi.org/06nano).

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 via email at: [colm.reid@marriott.com](mailto:colm.reid@marriott.com)

## DELTA AIR LINES - TAPPI'S OFFICIAL AIRLINE

### The Simple, Affordable, Convenient Way To Fly

TAPPI has partnered with Delta Air Lines as the official airline for meeting and business travel for 2006. Simply go to [www.delta.com](http://www.delta.com) to make reservations. Enter TAPPI's SkyBonus account number US445684101 on the passenger information screen where it says, "If your company is a SkyBonus program member, enter the number here: insert 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.



# 2006 INTERNATIONAL CONFERENCE ON NANOTECHNOLOGY FOR THE FOREST PRODUCTS INDUSTRY REGISTRATION FORM

APRIL 26-28, 2006 | ATLANTA MARRIOTT MARQUIS | ATLANTA, GEORGIA

**TAPPI Member Connection** 1.800.332.8686 [U.S.] > 1.800.446.9431 [Canada] > + 1.770.446.1400  
**Fax** + 1.770.209.7206 **Online** www.tappi.org **Mail** TAPPI > P.O. Box 791190 > Baltimore, MD 21279-1190 USA

## 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 \_\_\_\_\_

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.

## 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)  
 Other (research organization)

### 3. What is your primary industry?

- Pulp Mill Only  
 Paper/Paperboard Mill Only  
 Integrated Pulp/Paper/Paperboard Mill  
 Technical/R & D Facility/Headquarters  
 Independent Operations/Converting Plant  
 N/A

### 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.

- |   |  |
|---|--|
| <input type="checkbox"/> A Librarians - Corporate           | <input type="checkbox"/> F Purchasing & Stores                         |
| <input type="checkbox"/> B Corporate Management             | <input type="checkbox"/> G Marketing & Sales                           |
| <input type="checkbox"/> C Production                       | <input type="checkbox"/> H Traffic & Shipping                          |
| <input type="checkbox"/> D Technical/Research & Development | <input type="checkbox"/> I Other Management & Administrative Personnel |
| <input type="checkbox"/> E Engineering                      | <input type="checkbox"/> J 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 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

## REGISTRATION OPTIONS & FEES

	On/Before March 24	After March 24	TOTAL
Member of TAPPI, PIMA, ACS, AIChE, FPS, IAWS, MRS, PAPTAC, PITA, PPERA, SWST and Zellcheming	US\$595	US\$895	
Nonmember	US\$895	US\$1295	
*Speaker (single day complimentary for day of presentation)	N/C	N/C	
*Speaker (attending full conference)	US\$595	US\$895	
Student (first 50 complimentary)	N/C	N/C	
Student (regular fee)	US\$100	US\$100	
Nanotechnology and Coating or Papermakers Conference Combination	\$995	N/A	

\$159 TAPPI membership Fee  Renew my membership for 2006  
 Join TAPPI and Save! (Add applicable GST or HST for Canadian Membership)

Please photocopy this form as necessary for multiple registrants.

**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

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.

