



**Empire State TAPPI  
New York/Canadian PIMA  
2004 Spring Conference  
April 13 & 14, 2004**

Empire State TAPPI's Spring Conference will be held at the Prime Hotel (Formerly the Sheraton) Saratoga, Saratoga Springs, NY in conjunction with the Empire State TAPPI 2004 Tradeshow. Again this year TAPPI and PIMA are cosponsoring the technical sessions with TAPPI conducting the full day sessions on Tuesday, April 13<sup>th</sup> and PIMA sponsoring the half-day session on Wednesday, April 14<sup>th</sup>!

**This year, as an added bonus for employees of paper mills, registration for Tuesday's technical sessions is FREE! All registered mill employees attending the technical sessions will also be our guests for the conference luncheon at no charge. A reduced price for mill employees for Wednesdays Professional Development session is also being offered this year.**

This day and a half conference will cover the most up to date technologies, techniques, practices and equipment for the ever-changing needs of the paper maker and other industrial employers and suppliers. The Wednesday half day session sponsored by PIMA is an opportunity for professional development training by Ron Anger of Buckman Laboratories on Effective, Everyday Negotiating.

This conference gives everyone the opportunity to not only learn about the latest advances from recognized leaders in the industry, but also attend the largest annual TAPPI trade show in the United States, the **Empire State TAPPI 2004 Tradeshow**. The combination of Upstate New York's biggest paper industry conference and the flagship Industrial Technology Show under one roof allows the unique opportunity for attendees to learn about the latest industry practices and equipment and then immediately talk to the suppliers that can meet your needs to get more individualized information. Only once a year can you travel a short distance and have contact with so many industry resources. *Don't miss this excellent opportunity to maximize the use of your valuable time.*

On Tuesday, April 13<sup>th</sup> there will be two simultaneous sessions presented. This year's track for papermakers will include topics on **Forming Table Dynamics, Water Recovery, MOC Approach to Improved Printability, Filtration, Spraybar Technology** and **Functional Size Press Chemicals**. For the maintenance track, papers on **World Class Maintenance, Valves – Packing and Gasketing, Plate Heat Exchanger Performance** and **Vacuum Pump Maintenance** will be presented.

On Wednesday April 14<sup>th</sup>, **Ron Anger of Buckman Laboratories** will present a half day professional development session on **How Not to Paint Yourself Into a Corner - Effective, Everyday Negotiating**. All of us take part in negotiations every day, in both our work and our home lives. Ron will present an interactive session on the Process, the Art and the Realities of successful negotiations. This course will provide you with practical tools to use negotiation not only achieve the results you desire, but to build positive relationships.



**Session I: Tuesday, April 13, 2004**

***Papermaking Topics***

Session Chair: David Lacz – Eastman Kodak Company

8:15 – 8:30 AM

Welcome/Introduction

8:30 – 9:15

**Water Recovery with New Filtration Technology: Frank Miller, President, Jannaco, LLC**

Jannaco, LLC has introduced an innovative new technology into the paper industry that will be utilized in fiber recovery and ultra pure water clarification. Of particular interest is the technology's ability to provide ultra clarified water that may be reused on wire showers and chemical make down applications. These applications would provide major water and energy cost reductions to mills running fresh water to these applications, especially those operating at elevated head box temperatures. Frank Miller, will provide results of recent field trials that Jannaco is conducting in conjunction with team members from SUNY ESF Department of Pulp and Paper Science of Engineering in a New York State mill. The program is being funded in part through a grant from New York State Energy Research and Development Authority (NYSERDA). The funding is made available through the demonstration program under NYSERDA PON 768 for Environmental Product and Process Technology.

9:15 – 10:00

**A Mechanical, Operational and Chemical (MOC) Approach to Effect Print Performance: John Krasniewski, Nalco**

What levers can you use on your paper machine to enhance sheet printability? A discussion of the various mechanical, operations, and chemical means to maximize the look of your sheet when it comes off the printing press.

10:00 – 10:15

Break

10:15 – 11:00

**Optimizing Forming Table Dynamics Using Activity and Drainage Factor Analysis – A New Approach: John Eames, President, Formation Systems**

A computer model for characterizing forming table activity and drainage is presented. Forming table activity is characterized through an analysis of acceleration forces experienced by the sheet at each zone of acceleration for each foil blade. Table activity can be related to the sheet acceleration at each acceleration zone. The model can be used to predict table activity for various forming table configurations and with any foil blade design. A simple and practical model for characterizing the drainage of individual foil blades is also presented. The drainage model is based on filtration theory (drainage through the fiber mat) and can be used to estimate the drainage profile of various forming table configurations. The program allows one to configure a forming table on the computer and estimate the level of table activity and drainage profile. The model has proven useful for optimizing formation table design for improved formation and drainage.

11:00 – 11:45

**Functional Chemistries for the Size Press: Nolan Thompson, Market Manager – Paper Chemicals, RohmNova**

A look at the latest ideas in how you can use functional chemistry in your size press to improve the performance of your sheet. How, by applying the right chemistry in your size press, you can achieve improvements in print quality and runability of your paper.



12:00 – 1:30 PM Conference Luncheon

1:30 – 2:15 **Starch and Additive Filtration Best Practice: Bruce Law, Pulp and Paper Market Manager, RPA Process Filtration (Ronningen-Petter)**  
Whether it is at the size press, starch storage, coating and release agents, PCC or GCC addition points or at the coater...machine runability is improved through proper filtration with the proper technology. Bruce Law will discuss the best practice regarding the technology, media, selection, water reduction, and reuse in various points along the wet end.

2:15 – 3:00 **Spraybar: Technology that Works: Phil Strong, Associate Manager – Customer Support, Corn Products**  
Although the concept of spraying starch in the papermaking process is not new, recent improvements in filtering technology have made the day in, day out use of Spraybar Technology a reality. With the proliferation of recycling and closed water loops, water conservation and strength properties receive a lot of attention in the paper making process. Spraybar technology can improve your paper physicals and not hurt your water balance.

## Session II: Tuesday April 13, 2004

### *Maintenance Topics*

Session Chairman: Laurie Poltynski – Niagara Mohawk, A National Grid Co.

8:15 – 8:30 AM Welcome/Introduction

8:30 – 9:15 **Valves – Packing, Gasketing Best Practices: William Corcoran, Operations Manager & Steven Carey, Quality Control Manager, Industrial Steel & Boiler Services, Inc.**

Preventive maintenance is not just about predicting when something needs to be serviced, it should also include “What can I do differently to service this better and make it last longer?” The presentation will cover helpful hints along with some fundamental guidelines for maintaining packing and gasketed areas.

9:15 – 10:00 **World Class Maintenance: Nick Jordan, MVP Tech**

A close look at the process of maintenance performance improvement in which maintenance is recognized as critical to the overall production strategy by which your plant provides your product to your customer at a quality they want and a price they are willing to pay.

10:00 – 10:15 Break

10:15 – 11:00 **Maintaining Your Heat Recovery Plate Heat Exchangers: Carl Kozacki, Regional Plate Heat Exchanger Specialist, APV Invensys**

Presentation will provide easy guide for quick diagnosis of your Plate Heat Exchangers performance. The session will include: Proper Piping, Fluid Screening, Anti-fouling Measures, Plate and Gasket Maintenance, Extended Life through Automatic and Manual Backwash Systems, Sizing and Application Guide.

12:00 – 1:30 PM Conference Luncheon

1:30 – 2:15 **Vacuum Pump Maintenance and Repair: Tim Dorsey, Service Director, nash\_elmo Vacuum Systems.**



A unique look “inside” the liquid ring vacuum pump. You will see how the technology works and how to maintain your vacuum pump so it will last for decades. Maintenance, trouble shooting and the importance of proper seal water conditioning will be discussed.

2:15 – 3:00 **An Innovative, Intelligent Solution to Consistency Monitoring Problems: Richard J. Fickelscherer, P.E., Ph.D., FALCONEER Technologies**

Consistency monitoring is used throughout the pulp & paper industry to control the amount of fibrous material in process feed streams. As widespread as this technology is, plants are continuously struggling with operation and control problems due to consistency meters fouling or breaking or upstream control issues creating large variations in the feed consistency. These sensor failures and upstream problems cause significant losses due to sheet breaks in terms of downtime, waste and cost.

FALCONEER Technologies has teamed up with Optimization Technology Company to address this opportunity. Our advanced process control software solution provides early detection of false readings from failure or fouling for all types of consistency meters. In addition, our solution, FALCONEER™ III, can detect and alert for significant water pressure variation and accommodate different stocks and stock transitions based on process intelligence. FALCONEER III™ uses a plant’s or mill’s available process knowledge with no special instrumentation. Our patent pending software design makes installation and maintenance of this solution simple, quick and cost effective. This session will review how the software works with a demonstration using a typically instrumented stock chest system.

**Session III: Wednesday, April 14, 2004**

Session Chairman: Laurie Poltynski – Niagara Mohawk, A National Grid Co.

8:15 – 8:30

Welcome/Introduction

8:30 – 12:00

**How Not to Paint Yourself Into a Corner - Effective, Everyday Negotiating: Ron Anger, Buckman Laboratories**

All of us take part in negotiations every day, in both our work and our home lives. Ron will present an interactive session on the Process, the Art and the Realities of successful negotiations. This course will provide you with practical tools to use negotiation not only achieve the results you desire, but to build positive relationships.



**Conference Information**

**Prime Hotel Saratoga Springs  
534 Broadway  
Saratoga Springs, NY  
518 584-4000**

**Full Conference Registration** - Includes technical sessions on Tuesday and Wednesday, coffee breaks and luncheon on Tuesday. Also includes handout materials for Professional Development training.

Paper mill employee	.....\$50 (No charge)
for Tuesday sessions, fee for Wednesday session only)	
Empire State TAPPI member	.....\$160
Non-member	.....\$185

**Single Day Registration**

Tuesday, April 13, 2004: Includes technical sessions, coffee breaks and luncheon.

Paper Mill Employee	.....No Charge
Empire State TAPPI member	.....\$115
Non-member	.....\$140

Wednesday, April 14, 2004: Conference and coffee breaks only. Also includes handout materials for Professional Development training.

Paper Mill Employee	.....\$50
Empire State TAPPI or PIMA member	.....\$80
Non-member	.....\$105

Please Note: We can accept MasterCard, Visa, American Express, Discover, and Visa Debit Cards for registration.

A special accommodation package has been arranged with the Prime Hotel and Conference Center. For reservations, call 518-584-4000.

For conference registration information please contact the conference chairman, Laurie Poltynski, at 518.583.5740 (office), 518.471.7872 (fax) or Laura.Poltynski@us.ngrid.com. Registration can be done by completing the attached form and enclosing a check made payable to **Empire State TAPPI** or by including required credit card information.

**Empire State TAPPI  
New York/Canadian PIMA  
Spring Conference Registration Form  
April 13 & 14, 2004**

**Name:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City:** \_\_\_\_\_

**State:** \_\_\_\_\_

**Zip:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**Fax:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Credit Card:** \_\_\_\_\_

(American Express, Visa, MasterCard, Discover, and Visa Debit Cards are accepted)

**Card Number:** \_\_\_\_\_

**Expiration Date (MM/YY)** \_\_\_\_\_

**Full Conference Registration**

- Mill employee - \$50
- TAPPI/PIMA Member \$160
- Non-Member \$185

**Single Day Registration**

Tuesday April 13

- Mill employee - No Charge
- TAPPI/PIMA Member \$115
- Non-Member \$140

Wednesday April 14

- Mill employee - \$50
- TAPPI/PIMA Member \$80
- Non-Member \$105

Please make checks payable to **Empire State TAPPI**. ***Pre-registration are greatly appreciated via fax at 518.471.7872 or email Laura.Poltynski@us.ngrid.com***

Any questions, please call Laurie Poltynski at 518.583.5740.