

## Registration Form for ESPRA Fall Conference October 21-23, 2003

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

Name to appear on badge: \_\_\_\_\_

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

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

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

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

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

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

- Please register me for the 2003 Fall ESPRA Conference  
 \$600 if postmarked by October 3, 2003 (includes Wednesday & Thursday dinners)  
 \$685 if postmarked after October 3, 2003 (includes Wednesday & Thursday dinners)

**-PAYABLE TO SUNY RESEARCH FOUNDATION**

Credit Card Payment:

- VISA     Mastercard    Expiration Date: \_\_\_\_\_

Account Number: \_\_\_\_\_

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

- I will pay on arrival

**Please indicate if you will attend:**

- Wednesday Casual Dinner at Skybarn;     Spouse  
 Thursday SPPF Student Award Lunch;     Spouse  
 Thursday Banquet at Sheraton;     Spouse

**Mail or Fax Registration to:**

**Mailing Address:** SUNY-ESF College  
Office of Outreach  
219 Bray Hall-One Forestry Drive  
Syracuse, New York 13210  
**Fax:** 315-470-6890

For more information (From ESPRI):

call (315)470-6501  
fax: (315)470-6945  
email: [teamidon@esf.edu](mailto:teamidon@esf.edu)

**Hotel Accommodations:**

Please call the Sheraton University Hotel directly at 315-475-3000 or toll free at 800-395-2105 (mention ESPRI) to reserve your room at the discount rate of \$109 single, \$115 double per night by Friday, September 19, 2003. The hotel provides Airport Shuttle Service. Parking is \$4 per day.

**Empire State Paper Research Associates, Inc.**  
The International Organization of Paper Research  
Established in 1945

**ESPRI**



## PROGRAM

# 119<sup>th</sup> ESPRA Conference

- Paper Physics
- Papermaking
- Pulping & Bleaching
- Related Topics

October 21 - 23, 2003  
(Tuesday - Thursday)

at  
Sheraton University Hotel  
& Conference Center  
Syracuse, NY, USA 13210

**SCHEDULE OF EVENTS**

Events will be held at the Sheraton University Hotel and Conference Center, Syracuse, New York.

**SUNY-ESF**

**ONE FORESTRY DRIVE  
SYRACUSE, NY 13210  
(315) 470-6900**

**SHERATON UNIVERSITY**

**801 UNIVERSITY AVENUE  
SYRACUSE, NY 13210  
(315) 475-3000**

**Tuesday, October 21, 2003**

12pm-4pm	ESPRA Strategic Discussion	Waverly Room
4pm-5pm	Registration	Sheraton Lobby
4pm-6pm	Hospitality Suite	Marshall Room
6:00pm	Board of Directors' Meeting	Waverly Room
7:00pm	Board of Directors' Dinner	Waverly Room

**Wednesday, October 22, 2003**

7:45-8:15 am Registration & Continental Breakfast Foyer

**ESPRI Technical Program: Comstock Room**

8:15 am Welcome, Bruce Evans, ESPRA President/ Thomas Amidon, SUNY- ESF

8:30 am "The Effect of Time Dependent Shear Thickening on the Pore Structure of Ground Calcium Carbonate Suspension" by H. Xu and D.S. Keller

9:00 am "Soda Pulping of Hardwoods Catalyzed by AQ and Methyl Substituted AQs" by R. Francis, S.-J. Shin and T. Amidon

9:30 am "Synthesis of a Ring-Rigid Cellulose Model for Chain Cleavage Studies" by L. Schroeder and D. Croll

10:00 am *Break*

10:30 am "An Update on Structural Analysis of Lignin by Ozonation" by Y. Ohtani and Y.-Z. Lai

11:00 am "Lignolytic Enzymes Produced by *Phlebia subserialis* and a Comparative Analysis on *Picea abies* with other White-Rot Fungi" by J. Bartholomew, G. Scott, J. Nakas, and T. Amidon

11:30 am "Dynamic Modeling of Paper Machine Systems" by V. Barber and G. Scott

12:00 pm *Lunch-Rachel's Restaurant, Sheraton University Inn*

**Invited Papers: Comstock Room**

1:00 pm "Process, Features and Advantages of Emissions Trading" by Neil Cohn, Sr. Director, Natsource

1:45 pm "Acoustic Monitor System for Real Time Measurements of Solid Concentrations in Solid-Gas-Liquid Slurries" by L.L. Tavlaride, Syracuse University

2:30 pm *Break*

3:00 pm "Characterization of Anisotropic Pore Size Distributions in Paper and Other Fibrous Media Using Porometry" by K. Gupta and A. Jena , Porous Materials Inc., Ithaca, NY

3:45 pm Licensing Opportunities Based on National Starch Patents Owned by Syracuse University – M. Weldon and T. Amidon

6:00-9:00 Joachim Poster and Casual Dinner – Syracuse University Skybarn (Shuttle Available)

**Thursday, October 23, 2003**

7:45-8:00am Continental Breakfast Sheraton Foyer

**ESPRI Technical Program: Comstock Room**

8:30 am "Experimental and Theoretical Investigation of Stress and Strain Around a Hole in a Paper Strip" by R. Perkins and G.-J. Um

9:00 am "A Review of Moisture Transport Mechanisms in Paper Materials" by B.V. Ramarao and S. Ramaswamy

9:30 am "Dimensional Stability of Copy Paper with Varying Humidity Conditions – Experiments and Theory " by S. Lavrykov, O. Lyne, and B.V. Ramarao

10:00 am *Break*

10:30 am "Expression of Water from Pulp Mats Under Compression with Application to Wet Pressing" by T. Chaffee and B.V. Ramarao

11:00 am ESPRA Member Meeting

12 - 2 pm SPPF Student Award Luncheon Alumni Lounge (ESPRA members welcome) (Shuttle Available)

2:30-5 pm Joachim Forum Baker Aud.

6 – 9 pm Joachim/SPPF/ESPRA Award Banquet Sheraton

**Friday, October 24, 2003**

8am-12pm Faculty will be available for Campus Tours Walters Hall

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