

# Chicago Society *for* NEWS *Coatings Technology*

Member of Federation of Societies for Coatings Technology

November 2004

www.chicagocoatings.org

Volume 8, Issue 3

## Monday, November 8th Steven's Steak House, Elmhurst

476 N York St, Elmhurst, IL 60126 • (630) 834-6611 (visit [www.chicagocoatings.org](http://www.chicagocoatings.org) for a map)

Dr. Richard Sonntag - DuPont Specialty Colorants and Additives

### *Fundamentals of Fine Particle Technology*

Wine Tasting & Spouse Night

5:00 P.M. Wine Tasting/Cash Bar • 6:00 P.M. Speaker • 7:00 P.M. Dinner



#### Fundamentals of Fine Particle Dispersion

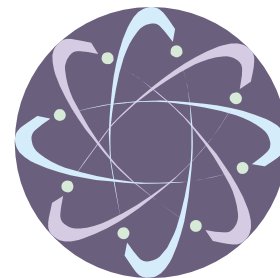
Since their use in the first inks invented by ancient Chinese, particulate dispersions have become ubiquitous in modern society, and are central to the development of household items such as toothpaste, cosmetics, pesticides, pharmaceuticals, ceramics, inks, and coatings. We will provide an overview of the modern history, theory, and practice of particle dispersion. In particular, we will highlight the industrial application of dispersion technology. These will include the evolution of particle chemistry from naturally occurring minerals to synthetic organics, the continually decreasing size requirements, and the need to tailor the viscosity and other physical properties to meet increasingly demanding applications.

#### Speaker Biography; Dr. Richard Sonntag

Rick Sonntag is Group Manager, Materials Development, for DuPont's Ink Jet and Specialty Colorants programs. He has been with DuPont for over twelve years, the past four with the Ink Jet and Specialty Colorants business. Rick began his DuPont career in Automotive Finishes R&D, where his assignments included fundamental research (colloidal stabilization, particle characterization, and polymer rheology), product development (waterborne refinish paint system), and process development (dispersion process technology for liquid colorants).

Rick also spent five years managing a Process Technology group for National Starch and Chemical Company, the specialty chemical subsidiary of Unilever and ICI. In that role was responsible for scale-up, optimization, and engineering science for polymers used in personal care, binder, and adhesives applications.

Rick holds a Ph.D. in Chemical Engineering from Princeton University and a BSCHE from Catholic University of America.



#### Upcoming Events

October 27-29  
ICE FSCT-CSCT  
Chicago IL  
McCormick Place

November 8 (Spouse Night)  
*DuPont Specialty Colorants & Additives*  
Richard Sonntag Nanoparticle Technology  
Steven's Steak House - Wine Tasting Night

Friday, December 3rd  
Joint CSCT/CPCA  
Holiday Party  
Hyatt Lodge, Oakbrook





## Getting it Straight

### Society Notes & Changes

Bring Your Spouse to the November 8th meeting at Steven's Steak House. It will be Wine Tasting Night, too!

Get more information about CSCT news and events at

[www.chicagocoatings.org](http://www.chicagocoatings.org)

## New Members for September

Edward Hoffman - *Chem-Flow*

James Salisbury - *Accurate Dispersions*

Lisa Kinatader - *PCI Magazine*

Mark Bielawa - *Specialty Coatings Company*

Jeffrey Cayce - *Rohm and Haas Automotive*

Makoto Imai - *Morton Nippon Coatings*

Mark Branchetti - *Sherwin Williams*

### SCHOLARSHIP INFORMATION

Note: *There are separate applications for each of the two types of scholarships.*

**A. Joint CPCA/CSCT Scholarship.** College scholarship applications are now available for a child of a current member of the CPCA or the CSCT. To be eligible, the student must be in good standing at the school they are attending. Applications are available from Greg McWright - 973-443-4200 Ext. 3247. Applications must be received by **April 6, 2005**.

**B. Merit Scholarship.** The CSCT is pleased to announce that Grant In Aid applications are now being accepted for two \$2,000 scholarship awards for students majoring in math, computer or physical science. Current membership for a minimum of 2 years allows a CSCT members' child to apply for the Grant In Aid.

The recipient should be either a high school senior or undergraduate student, who has an excellent academic performance and dedicated service to their community. The criteria for selecting the winners are letters of recommendation, course transcripts, and an essay. Applications and further information is available from Thor Jondahl, Ph.D. INX Corp. 630-681-7100 / 630-681-7199. Application deadline is **April 6, 2005**.

## 2004 CSCT/CPCA HOLIDAY PARTY

FRIDAY, DECEMBER 3

6PM

HYATT LODGE

AT THE MCDONALD'S CAMPUS

OAKBROOK, ILLINOIS



"...truly brings to life The Beatles, American English has the magic!"



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FOR MORE INFORMATION VISIT:

[WWW.CHICAGOCOATINGS.ORG](http://WWW.CHICAGOCOATINGS.ORG)

## Warren C. Ashley Outstanding Service Award

This award honors Active/Associate members who through their talents, knowledge, dedication service, and energy have contributed to the advancement of the CSCT or the protective coatings industry of the Chicago area. The membership is encouraged to nominate deserving members for consideration of this distinguished award.

Candidates must be selected by five full members of the CSCT. A brief history and accurate resume of the achievements of the nominee should accompany the nomination form. Contact Howard Robins at 630.271.4848 to receive a nomination form. Nominations are due by March 4, 2005.

**Dinner Selections for November 8th: Family Style and Vegetarian**

**E-mail your dinner reservation to: [hwaltenspiel@nevchem.com](mailto:hwaltenspiel@nevchem.com)**

**Please provide name, number of guests attending, and dinner selections by 11/04/04.**

**Cost for Dinner - at the door: \$25 for members with reservations, \$30 for Non-Members and Walk-ins. \$20 for spouses.**



## Space is still available for The CSCT and the CPCA coatings course, session II.

The full program information is available on-line at [www.chicagocoatings.org](http://www.chicagocoatings.org). Your company's participation is encouraged. The second session will present advanced coating's topics, which are intended for chemists, technicians and technical sales personnel with some experience in the coatings field. The coatings course will be held on Wednesday evenings for eight weeks from January 19 through March 9, 2005. The course will be conducted at DePaul University's Rolling Meadows Campus. Proceeds from this event will be used to fund CSCT / CPCA joint scholarships. The course fee for the 2nd session is \$400. For more detailed course information and enrollment forms contact the CPCA Executive Office at (847) 755-9850. For fast response E-mail: [director@chicagopaint.org](mailto:director@chicagopaint.org)

Session II - Advanced Coatings • January 19-March 9, 2005

DePaul University - Wednesday evenings

The Meadows Corporate Center - East Tower

2550 W. Golf Road, Suite 255 • Rolling Meadows, IL 60008

Sponsored by the Joint Education Committee of the CSCT/CPCA

Thor Jondahl, INX, International • 630.681.7102 • [jondahl@corp.inxintl.com](mailto:jondahl@corp.inxintl.com)

Greg McWright, Troy Corporation • 847.247.1704 • [mcwright@troycorp.com](mailto:mcwright@troycorp.com)

### Session II

- |   |  |
|---|--|
| 1. January 19 – Experimental Design & Advanced Formulation Tools        | 5. February 16 – Advances in Color Technology and Dispersion |
| 2. January 26 – Compliant Technologies (WB & High Solids)               | 6. February 23 – Crosslinking and Catalysis                  |
| 3. February 2 – Compliant Technologies II (Powder & Radiation Curables) | 7. March 2 – Accelerated Testing and Durability              |
| 4. February 9 – Coating Defects and Troubleshooting                     | 8. March 9 – Industry Challenges                             |



### TECHNICAL PAPER COMMITTEE ANNOUNCEMENT

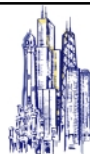
The CSCT Technical Committee would like to invite all interested members to join the Technical Committee. The Technical Committee will plan and oversee work on a project for a paper to be published in the Journal of Coatings Technology (JCT). We are looking for CSCT members, students in the Coatings classes at DePaul University, and volunteers of companies that are members of the CSCT.

The first meeting is planned for Thursday, November 11, 2004, 5:30 p.m. at DePaul University's O'Hare Campus, 3166 S. River Road, Des Plaines. At the initial meeting, we need to decide on a subject and match the objectives of the study with the capabilities of the CSCT members. We will outline what needs to be done.

Please sign up at the October Meeting or RSVP to our Technical Committee Co-Chairman: Arron Strepka (847-480-3144), [astrepka@velsicol.com](mailto:astrepka@velsicol.com) or Phillip Gordon (773-821-3631), [phillip.c.gordon@sherwin.com](mailto:phillip.c.gordon@sherwin.com).



The Tech Committee Accomplishments Poster (thanks Abel for getting this together) was approved with a few small adjustments. They have also approved the funds to have it printed up. This will then be displayed at the CSCT booth at ICE, tentatively located next to the registration area. To the right is the proposed CSCT Contemporary Achievements Poster.



## Chicago Society *for* Coatings Technology

### The CSCT Technical Committee

- First technical paper, "A Study of the Relative Merits of Spray vs. Brush Painting", prepared in 1932. Later published in the National Paint, Varnish & Laquer Association, Scientific Section Circular. 432(1932)
- 57 Technical presentations at FSCT annual meetings.
- 20 Awards received including :
  - ★ 9 A.F. Voss/American Paint Journal and A.F. Voss/Abel Banov 1<sup>st</sup> Place Awards
  - ★ 3 Union Carbide Technology Awards

### Contemporary Achievements of the Technical Committees

#### Alternative Methods To Achieve High Performance, Low VOC Coatings

Poster Presentation at ICE 2004 in Chicago, IL

Technical Committee Co-Chairpersons: Brian Hanrahan and Arron Strepka

#### The Chemical Resistance of Self Crosslinking Emulsions on Interior Plastic Substrates

Paper presentation at ICE 2002 in New Orleans, LA

Won first place, A.F. Voss/Abel Banov Award

Technical Committee Co-Chairpersons: Nancy Lindquist and Tom Yokoyama

#### Variables Effecting Flattening Efficiency of High Solids Clear Coat

Poster presentation at ICE 2000

Technical Committee Co-Chairpersons: Howard Robins and Tony Tortorello

#### A Study of the Effect of Pigment Morphology on Film Properties of an Industrial Latex Coating

Poster Presentation at ICE 1997 in Atlanta, GA

Paper Presentation at ICE 1998 in New Orleans, LA

Won second place, A. F. Voss/American Paint Journal Award

Published in JCT (Vol. 72, Issue 901, 2000)

Technical Committee Chairman: Keith Moody

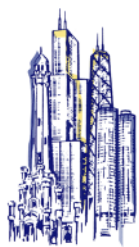
#### "PanoramaT" CD-ROM MSDS Database

Demonstrated at ICE 1993 in Atlanta, GA

Winner of Union Carbide Technology Award

Technical Committee Chairman: D. R. Brezinski





Chicago Society for  
Coatings Technology  
c/o HERB WALTENSPIEL  
Neville Chemical Company  
4830 Castaway Ln.  
Hoffman Estates, IL 60010

**Reminder:**  
Dinner reservations due 10/4  
Spouse night & Wine tasting night (\$20 for spouses)  
to Herb Waltenspiel 847.202.9028  
hwaltenspiel@nevchem.com

## CSCT Calendar of Events 2004-2005



August 30, 2004	Ciba Specialty Pigments	Steven's Steak House
September 8	CSCT / CPCA Joint Education Course Session I - Introduction to Coatings	DePaul - Rolling Meadows Every Wed. through November 3
September 13	CSCT Golf/Technical Meeting UV Coatings - Ashland Chemical	River Bend Golf Course Lisle, Illinois
October 11	CSCT ICE Paper + Ashland Chemical	Doubletree Hotel Alsip
October 27-29	ICE FSCT-CSCT Chicago IL	McCormick Place
November 8	DuPont Specialty Colorants & Additives Fundamentals of Fine Particle Technology	Steven's Steak House Spouse Night and Wine Tasting Night!
November 11	Technical Paper Committee Meeting	DePaul O'Hare Campus
December 3	Joint CPCA / CSCT Holiday Party	Hyatt Lodge, Oakbrook
January 10, 2005	Clariant Pigments	Steven's Steak House
January 19	CSCT / CPCA Joint Education Course Session II - Advanced Coatings	DePaul - Rolling Meadows Every Wed. Through March 9
February 7	RSM - Alkyd Resins for High Solids and Water-reducible Applications	Steven's Steak House
March 7	UCB - Additives	Doubletree Hotel Alsip
April 4	Neville Chemical- Resin Modifiers for Achieving VOC Regulations	Steven's Steak House
May 13	Awards Banquet	Drury Lane - Oakbrook
July 25	2005 CSCT Golf & Tennis Outing	St. Andrews GC/ Forest View RC

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