



**MONDAY**

**JANUARY 10, 2011**

**Maple Meadows, Wood Dale IL**

**5:00 Registration / Cocktails**

**5:45 Speaker**

**6:45 Dinner & Meeting**

**\$30** members with reservations

**\$35** non-members and walk-ins

**CHEMISTS FREE!!! (see p. 2)**

## **Measuring Latex Film Formation Using Multi Speckle Diffusing-Wave Spectroscopy** **Christine Fortner, ARKEMA EMULSION SYSTEMS**

**P**roper film formation is essential in achieving optimum paint performance. As the level of volatile organic compounds continues to be regulated, it is more difficult to understand and measure the drying stages of latex based paint. Using a new technique based on MultiSpeckle Diffusing-Wave Spectroscopy (MS-DWS), the phases of drying can be clearly defined. The technique uses laser scatter to measure the amount of particle movement in a coating or latex film. Detection of particle movement is the key in proving clear definition of the drying stages. Understanding the

drying phases can provide guidance on formulating for optimum open time. This presentation will demonstrate the affects of latex type, glass transition temperature and solvent choice on the film formation of latex.

**C**HRISTINE FORTNER started her career as a chemist for Mobil Oil. She spent 13 years as a research and development chemist in architectural coatings for UCAR Emulsion Systems and the Ace Paint Division. Chris spent two years in a technical role for Dow Coatings Solutions. Chris is now a Senior Technical Account Coordinator for Arkema Emulsion Systems where she is responsible for latex emulsions, rheology modifiers and dispersants.

## **A Novel Oxidative Catalyst for Alkyd Coatings** **Jennifer Hostetler, OM GROUP**

**R**esearch has been done in the past to look for alternative driers to cobalt due to economic pressures. Many metal carboxylates have been evaluated but none offer the overall performance of cobalt. Currently there is concern in Europe that cobalt carboxylates might be classified as Category 2 carcinogens; as such, they would effectively be eliminated from use in decorative paints sold to the public. A new, highly effective iron catalyst dries paints at much lower dosage levels than cobalt with none of the color disadvantages typically associated with iron. This presentation describes the iron complex and shows supporting data in a range of coating systems, indicating that it works as well or better than cobalt carboxylates.

**J**ENNIFER HOSTETLER, R&D Manager with 14 years increasing experience working for OMG. 3 provisional patents. BS Chemistry from Ohio Wesleyan University. MS Chemistry from Cleveland State University. MBA from Tiffin University. Affiliations include ACS, ECS, TAPPI, ACMA, and NPCA/FSCT.

## New CSCT Members

Nicola James

Thomas Brook International

Gretchen Kirst

True Value Manufacturing

David Markobrad

BASF Corp

Christopher Niblock

OMG Americas

Leonard Phelps

WJE

These candidates will be welcomed and their memberships made official at our January meeting.



### What were you doing 25 years ago?

If you were a member of any Society for Coatings Technology 25 years ago and are now a member of the CSCT you may qualify for the

#### CSCT 25 Year club

However, we need to know who you are.

Call or write:

**Evans Angelos**

417 Naperville Road

Clarendon, IL 60514

(630) 323-6474

[evansangelos@comcast.net](mailto:evansangelos@comcast.net)

## It's Scholarship Time Again!



Your modest membership dues could grow into **Several thousands of dollars** for your child's future!



Each year the CSCT gives away **\$2,000 Merit Awards** to children or grandchildren of current CSCT members that are pursuing an education in a physical science.



Together with the CPCA we give away **thousands more** regardless of their course of study



**Did your son or daughter apply last year and not get selected? Apply Again!!**

As long as the student still meets the requirements of each award they may continue to apply each year.



**Did your son or daughter receive a scholarship last year? Apply Again!!**

Your student is still eligible to apply for the scholarship they did not receive if they meet the requirements.  
(Previous Merit Scholarship recipients may apply for the Joint Scholarship and vice versa)



Scholarship applications are available on our website at [www.chicagocoatings.org](http://www.chicagocoatings.org).

**Application Deadlines: March 1, 2011 (Merit) and April 1, 2011 (Joint)**

## Manufacturers are Free at our Technical Meetings

If you are a member of the CSCT and serve in a technical role at a manufacturer of paint, coatings or inks you are invited to join us for our technical meetings **free of charge**.

**\$\$\$ that's a \$30-\$35 savings to you or your company each time you attend \$\$\$**

Simply email your reservation to [prodesigner5@yahoo.com](mailto:prodesigner5@yahoo.com)

**Walk-ins are welcome, but advanced reservations are appreciated**

## TECHNICAL MEETINGS

FALL 2010:	WINTER / SPRING 2011:
<u>MONDAY SEPTEMBER 13</u> Doubletree, Alsip, IL	<u>MONDAY JANUARY 10</u> Maple Meadows, Wood Dale, IL
<u>MONDAY OCTOBER 11</u> Maple Meadows, Wood Dale, IL	<u>MONDAY FEBRUARY 14</u> Maple Meadows, Wood Dale, IL
<u>MONDAY NOVEMBER 8</u> Maple Meadows, Wood Dale, IL	<u>MONDAY MARCH 14</u> Maple Meadows, Wood Dale, IL
<b><i>NOTE: Meetings are now on the 2nd Monday of the month.</i></b> TALKS BEGIN AT 5:45 PM (5PM SIGN IN)	<u>MONDAY APRIL 11</u> <b>Real Time Sports Bar</b> <b>Elk Grove Village, IL</b>
<b>DOUBLETREE HOTEL:</b> 5000 West 127th St, Alsip, Illinois, United States 60803 (708) 371-7300 <b>Located off I-294 at 127th Street</b>	
<b>MAPLE MEADOWS GOLF COURSE:</b> 272 S. Addison Rd, Wood Dale, IL 60191 (630) 616-8424 <b>Located off I-290, 1 mile north of Lake Street on Addison Road</b>	
<b>REAL TIME SPORTS BAR:</b> 1120-22 W Devon Ave, Elk Grove Village, IL 60007 (847) 534-0600 <b>Located off I-290, west of the tollway, N of Elgin-OHare/Thorndale and E of Rohlwing Rd/53</b>	

## EVENTS

<b>COATINGS TRENDS &amp; TECHNOLOGIES</b> Westin Hotel, Lombard IL	<u>TUES-WED, OCT 5-6, 2010</u>
<b>CPCA/CSCT HOLIDAY PARTY</b> Hyatt Hotel, Schaumburg IL	<u>FRIDAY, DECEMBER 10, 2010</u>
<b>WINDY CITY COATINGS COURSE</b> DePaul University, Rolling Meadows IL	<u>WED-THURS, APRIL 27-28, 2011</u>
<b>ANNUAL AWARDS DINNER</b> Date & Location TBD	<u>MAY 2011</u>
<b>GOLF OUTING</b> St. Andrews, West Chicago IL	<u>MONDAY, JULY 25, 2011</u>

### OFFICERS 2010 - 2011

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