



# PITTSBURGH SOCIETY FOR COATINGS TECHNOLOGY

## APRIL 8, 2013

**TOPIC:** Molecular Design for the Next Generation of Additives

**SPEAKER:** John Du, BYK USA

**PLACE:** Spaghetti Warehouse / 412-261-6511  
2601 Smallman St., Strip District (Free Parking in Lot at 26th St.)

**TIME:**

Board Meeting	4:00 pm
Social Hour	5:00 pm
Presentation / Speaker	6:00 pm
Dinner / Meeting	7:00 pm
Adjourn	8:00 pm

**COST:** Members: \$30 w/reservation / \$35 at door / Retired \$10

**RESERVATIONS:** Please contact Britney Grabigel by Thursday –April 4, 2013  
at grabigel@ppg.com or 724-274-3548

### A MESSAGE FROM THE PRESIDENT

#### DEAR PSCT MEMBERS:

I would like to thank Rebecca Daley from Nubiola, USA Rebecca gave a very interesting talk on the Global Cost of Corrosion and the mechanisms of inhibitive corrosion protection and how the pigment types, morphology and size impact the coating's performance.

The April Meeting is the last technical meeting of the year. The speaker for April is John Du of Byk USA. John will be speaking on the "Molecular Design for the Next Generation of Additives". I'm sure a lot of you know John including myself. John has been helping solve coating problems for years with Byk additives. I'm sure we will learn a lot from John's talk. In addition to John's talk, the election of the PSCT Officers for the 2013-2014 year will be taking place.

Finally, we are hoping we will get the new PSCT Web Site working by the April 8th meeting.

At our previous meeting a vote was taken for the location of the May Social Event and the Penn Brewery won the vote. An e-mail went out to each of the members providing the details for the outing. Please get your payment into Tim Hurley to reserve your place at the meeting, Tim will be accepting money or checks at the April 8th PSCT Meeting. There will be several things happening at the May Social Event on May 13th, so please join in on the event. The event will include the following:

- 1) The Hiram P. Ball Memorial Scholarship winners will be announced along with the \$500 Grant for the student majoring in the Science, Technology, Engineering or Mathematics field. This is the first year for this Grant.

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<http://paintsociety.org/>



[pitt.coatings.tech@verizon.net](mailto:pitt.coatings.tech@verizon.net)

President's Message... continued

- 2) Debbie Zimmer of the Dow Chemical Company is the PQI Director of Communications and Alliances of the Dow Coatings Materials of North America. Debbie will be speaking on the 2012 Prettiest Painted Places Competition, Color Treads and Marketing Research Data on a variety of end-user needs. This will be a very interesting talk for the audience.
- 3) The activities at the Penn Brewery start at 5pm with Appetizers. At 5:30pm there will be a Tour of the Brewery. At 6:15 Debbie Zimmer will give her talk and at 7pm, the Buffet Dinner with three selections will be available to choose.


### GARY BALINT

PSCT President 2012-2013

## ADVERTISEMENT REMINDER

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## SPEAKER'S BIO

**Speaker Name: John Du**

**Speaker Company: BYK USA**

John Du is currently the Technical Product Manager for the Paint Additives Division, and Business Development Manager of Paper Coating Additives for BYK USA. He has many years of collective experience in research, product development and technical service of compliant coatings for Automotive OEM, Refinish, General Industrial, Aluminum Extrusion, as well as formulation of pigment concentrates for various market applications.

He has presented numerous papers at technical conferences and symposiums. John's expertise is formulation, interfacial chemistry and the resolution of coating problems.

John received his Bachelor of Science in Chemistry from Westminster College and a M.Ed. from the University of Pittsburgh.

## ABSTRACT

### "Molecular Design for the Next Generation of Additives"

There are multiple ways to control the molecular structure of polymers. This presentation will discuss the relationship between structure and function of additives to make the next generation of additives for coatings.

Controlling the structure of the molecule allows the polymeric additive to function in addition to its chemical classification, provide additional properties not normally available. For example, pigment dispersants in addition to dispersion and stabilization, providing adhesion and corrosion improvements.

Other additives can act to provide surface tension reduction without introducing surface slip to eliminate re-coat and adhesion defects.

Through the control of molecular structures, additives can be designed to make their application, system specific; that is depending on the system, the same additive behaves differently.

This talk will bring the audience a preview of some of the technologies that will be coming in the near future.

## ELECTION OF THE PSCT OFFICERS FOR 2013-14

The current nominations for the 2013-2014 Board of Directors are:

Past President	Gary Balint (from current President)
President-elect	Cindy O'Malley, (moving up from Vice President)
Vice President	Chrissy Stewart, KTA-Tator, Inc.
Secretary	Karen Hollertz , PPG Industries
Treasurer	Christina Marlier, EMD Chemicals
Director at Large	Peter Chakos, NEXEO Solutions
Society Rep.	Valerie Sherbondy, KTA-Tator, Inc.

The following listed Committee Chair positions are appointed by the President.

Membership:	Britney Grabigel, PPG Industries
Bylaws:	Raymond Stewart, Bayer Material Science, LLC
Education/Scholarship:	Julie Glover, KTA-Tator, Inc.

## PSCT MEETING PAINT POT

The member pulled for the March paint pot was Jeff Meade who was not in attendance. The Paint Pot will be \$50 for the April meeting.

## 2013 MEETING SCHEDULE

May Outing: Penn Brewery

Note that the May Spring Outing is the last meeting until September 2013. There are no monthly meeting in the summer which includes June, July, and August.

## UPCOMING CONFERENCES & WEBINARS

April 21-24— Southern Society Annual Meeting & Conference. Sponsored by the Southern Society for Coatings Technology. Hyatt Regency, Sarasota, Fl.

April 29-May 2— Eastern Coatings Show. Sponsored by Philadelphia, Metropolitan NY, and New England Societies. Taj Mahal Hotel, Atlantic City, NJ.

June 4 – 5th, 2013 – Cleveland Coatings Society SINK or SWIM Holiday Inn - Independence, OH

<http://www.clevelandcoatingsociety.org>

## VOLUNTEERS NEEDED FROM THE PSCT MEMBERSHIP

American Coatings Association -Coatings Regulations & Analytical Method Conference

May 14-15, 2013, Pittsburgh, PA

The Pittsburgh Society is glad to see this conference re-tuning to Pittsburgh and is offering its services to serve as session Moderators. We are seeking volunteers and hopefully can get several people to help. To volunteer please send your contact information to [svalentine@paint.org](mailto:svalentine@paint.org).



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## THE PSCT SPRING OUTING

Hi Everyone, at our March 11th meeting, the members in attendance voted on having our spring outing Monday, May 13th at the Penn Brewery ([www.pennbrew.com](http://www.pennbrew.com)) in the Troy Hill section of Pittsburgh. We will be downstairs in The Ratskellar Room which will be available at 5:00 pm with appetizers and a cash bar upstairs. A tour of their brewery would start at 5:30 pm. Debbie Zimmer of the Dow Chemicals group will give a talk at 6:15 pm on the 2012 Prettiest Painted Places competition, color trends and new market research data on a variety of end-user needs. The buffet dinner will be available at 7:00 pm. Coffee and water will be provided.



**Please make your reservations by April 21st with Tim Hurley:  
[thurley@ppg.com](mailto:thurley@ppg.com) or 724-274-3493**

Checks made out to PSCT are due by May 1st. Those attending can bring checks to the April 8th meeting. Otherwise send checks to:

PPG Industries  
Attn: Tim Hurley  
151 Colfax Street  
Springdale, PA 15144

The cost per member or spouse / guest is \$40 per person.

PSCT Past Presidents pay \$25

2013 Hiram P. Ball Memorial Scholarship awardees are free.

The scholarship winners will be notified in April.

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### **APPETIZERS: (SERVED AT 5:00)**

Bite sized bratwurst in sauerkraut  
Assorted cheese and crackers  
Fresh seasonal fruit display and yogurt dipping sauce

### **THE BUFFET WILL INCLUDE: (SERVED AT 7:00)**

Chef carved prime rib with au jus  
Black Forest Chicken (breaded chicken breast with ham and beer cheese mustard sauce)  
Lemon Baked Cod with Beurre Blanc  
Tossed Salad  
German Potato Salad  
Fresh Vegetable medley  
Apple and Cherry pie

## PSCT OFFICERS FOR 2012-2013

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**Mark Zoller**  
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# PSCT Membership Application and Dues Renewal Form for 2012-2013

## 1. MAILING ADDRESS:

Name: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
City: \_\_\_\_\_  
State/Prov: \_\_\_\_\_ Postal Code: \_\_\_\_\_

## 2. CONTACT INFORMATION:

Work Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
Toll Free: \_\_\_\_\_  
Home Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

## 3. MEMBERSHIP DUES

- Primary Full Membership \$30       Secondary Full Membership \$30       Student/Educator \$5       Retired Member \$5

\*Please indicate primary society membership: \_\_\_\_\_

## 5. PAYMENT INFORMATION:

- Check payable to PSCT

## 6. SIGNATURE AND DATE: (Required)


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

## 7. RETURN FORM AND CHECK

Britney Grabigel / PPG Industries      grabigel@ppg.com  
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## OFFICIAL USE ONLY:

Total Amount Due: \$ \_\_\_\_\_ Certified by Society Member \_\_\_\_\_ Date \_\_\_\_\_

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