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pitt.coatings.tech@verizon.net

PITTSBURGH SOCIETY FOR COATINGS TECHNOLOGY



TOPIC: Requirements for Colorants for Concrete Coatings

SPEAKER: Dr. Romesh Kumar, Clariant Corporation

PLACE: Domenico's Ristorante / 412-776-6455
20550 Route 19, Cranberry Twp., PA 16066
www.domenicoscranberry.com

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

COST: \$35 with reservation • \$40 at door • \$15 retired

RESERVATIONS: Contact Christina Marlier by Thursday, March 6, 2014 at treasurer@paintsociety.org or 215.510.8397



SPEAKER'S BIO

ROMESH KUMAR is Sr. Technical Sales Manager - North America for Clariant Corporation for pigments business. His expertise include colorants for coatings, color measurement and other related applications.

He attended Laurentian University (Sudbury, Ontario), and Rensselaer Polytechnic Institute (Troy, NY). He is a member of Inter Society Color Council, and American Coatings Association. He has made several presentations about pigment applications and color measurement at both national and international meetings during his over 33 years in the coatings industry.

ABSTRACT

Requirements for Colorants for Concrete Coatings

Competition and Environmental regulations have challenged the architectural paint makers to look into innovative ways to improve their old usual colorant systems. The improvements to meet hiding, low (almost zero) VOC, high durability, and cost reduction requirements can be achieved by the following four steps:

1. Development of formulations with Single Coat Hiding
2. Development of very low VOC Colorants for POS and in-plant applications
3. Development of Highly Durable Colorants with resistance of efflorescence

4. Development of dissolver dispersible pigments for aqueous systems requiring no media milling

Single coat hiding requires specific organic pigments in blends with heavy metal free highly chromatic inorganic pigments. Very low VOC free colorants require unique composition to achieve properties similar to those of regular types. Highly durable colorants require pigments that do not show any significant color change for at least after five years exposure in Florida. Such colorants are also resistant to lime burn and show no efflorescence. The easily dispersible pigments modified with unique additives allow cost savings by way of optimum color and strength development in aqueous systems with a high speed mixer. In this presentation, each of these subjects will be discussed in detail.

PRESIDENT'S MESSAGE



Dear PSCT Members:

I would like to thank Cliff Schoff for his presentation last month. Several attendees of the February meeting commented that his presentation on "Precision, What the Heck is That?" provided very useful information regarding data obtained from paint analysis.

Our March speaker, Dr. Romesh Kumar, Senior Technical Sales Manager with Clariant Corp will be giving a talk on Requirements for Colorants for Concrete Coatings, color trends and new market research data on a variety of end-user needs.

We are winding down the 2012-2013 season for the PSCT. There is a lot to be done before it comes to a close in May with our Social Event.

FIRST: I want to remind the PSCT Members with High School and College age Students to apply for the Hiram P. Ball Memorial Scholarship and the students majoring in the Science, Technology, Engineering or Mathematics field, please apply for the \$500 Grant that is available. The deadline for the application is March 15th, please fill out those applications and send them to Julie Glover at jglover@kta.com or 115 Technology Drive, Pittsburgh, PA 15275.

SECOND: The election of officers will be taking place at the April meeting. Please consider nominating yourself or someone from our membership as a candidate for Vice President, Secretary, Treasurer, or Director at Large. Secretary, Treasurer and Director are for terms of 1 year. The Vice President is a 3 year term as the VP is expected to be President the next year and serves as Past President the following year. Our current Society Representative is in the first year of a 2 year term. Please seriously consider serving as an officer for the PSCT.

THIRD: The location of the May Social Event will be voted upon at this month's meeting. Tim Hurley has put together the various suggested options that were brought up by the members. Those options are described within this newsletter. Please look over the venues and either vote at the meeting or if you cannot attend this month, send your preference in advance of the March meeting to Tim Hurley at thurley@ppg.com or 724-274-3493.

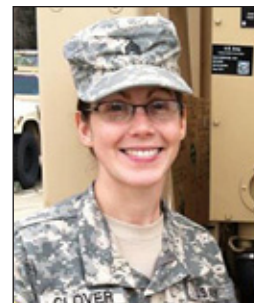
The speaker for the April meeting is Tom Van Kuren Technical Director – Rigid Packaging, from Watson Standard Company.

Cindy O'Malley

PSCT President 2013-2014

MEMBER HIGHLIGHT:

JULIE GLOVER



Julie has been employed as a chemical technician and project manager at KTA-Tator, Inc. since 2005. Her responsibilities include the day-to-day oversight of MPI testing as the project manager for the MPI subcontract test program. Julie presented a talk on coating failure investigations at the Philadelphia Chapter of PSCT in May 2011. She has been a member of the Pittsburgh Chapter of PSCT since 2010 and currently serves as Chair of the Education and Scholarship Committee.

Julie's favorite activity is playing with her 20 month old son, who is extremely active. Julie is also a member of the US Army Reserves and has been since 2001. She enjoys gardening during the spring and summer months, as well as bird watching, walking her dog and hanging out with friends. With the little free time she has left she enjoys crocheting and reading.

MEMBERSHIP RENEWAL

For those members who have not yet renewed their membership, you can contact Britney Grabigel to renew your membership at grabigel@ppg.com or at 724-274-3548. If you renewed online through the ACA website, please confirm your status with Britney.

Renew online at <http://www.paintsociety.org/join/>

2014 MEETING SCHEDULE

Please mark your calendars for the great meetings ahead:

April 14, 2014 May Outing: (see page 4 of this newsletter)

PAINT POT

The winner of the January Paint Pot was Kaley Stanczyk of KTA-Tator, Inc. Kaley was not present at the February meeting so a total of \$75 will be rolled over to the March meeting.

PSCT SCHOLARSHIP

Please note that all scholarship and grant applications are due to Julie Glover by March 15, 2014. Please send applications to jglover@kta.com with a subject line of "PSCT Scholarship Application."

WEBSITE

Please visit <http://paintsociety.org> and view the website, including the current newsletter, President's message, photos from the golf outing and more. Don't forget you can RSVP and pay for the upcoming dinner meeting from the home page of the website!

ADVERTISEMENT REMINDER

We would like to thank all the suppliers who have advertised with us in the past and hope we can count on your continued support. If companies want their advertisement displayed in the PSCT monthly newsletter, please contact Christina Marlier at 215-510-8397 or christina.marlier@EM-Dmillipore.com

2014 CONFERENCES:

www.paint.org/events/virtual-learning-conferences.html

VIRTUAL LEARNING CONFERENCES:

Developing Sustainable Technologies Using Life Cycle Assessment

David Meyer, Ph.D., U.S. Environmental Protection Agency
March 13, 2014 1:00 - 2:00 pm ET

Architectural Powder Coatings - Special Joint Webinar with the Powder Coatings Institute

Bob Cregg, Sherwin Williams
May 15, 2014 11:00 - 12:00 pm ET

The LEED Rating System and Green Building Update

Tim Serie, American Coatings Association
June 5, 2014 1:00 - 2:00pm ET

CONFERENCE - APRIL 8 - 10, 2014

American Coatings Show

Georgia World Congress Center - Atlanta, GA

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MAY OUTING INFORMATION

Hey PSCT members, it's time again to choose our spring event! We all need something to look forward to after this tough winter. We have three tried and true choices to choose from for our May outing. Please take a look and we will vote on the choices at the March 10th meeting. Those who cannot attend Monday's meeting can e-mail your choice to thurley@ppg.com before **March 10th**.

OPTION 1: THE LA CASA NARCISI WINERY

Buffet - Gibsonia, PA – Wednesday, May 14th

The Narcisi Winery is located on Route 910 in Gibsonia and is a fun place to visit with free wine tasting. We would have our own room with a cash wine bar and would have a private dinner buffet.

The cost per person would be \$50 / person based on 30 people and would need to be on Wednesday May 14th.

The buffet menu would include:

- Italian chopped salad
- Pasta vite – fusilli pasta in a light chicken bery sauce tossed together with tomatoes, spinach and feta cheese

- Grilled vegetables
- Roasted redskin potatoes
- Chicken milan – italian breaded chicken lightly pan seared and baked to a golden brown with a fresh mozzarella topping
- Hand carved prime rib
- Ice cream or seasonal sorbet
- Unlimited non-alcoholic beverages

OPTION 2: PITTSBURGH PIRATES BASEBALL

Pittsburgh Pirates vs San Francisco Giants. / Buffet - Monday, May 5th

The Buffet would begin at 5:30pm and the game starts at 7:05pm. This outing includes a buffet in the picnic park overlooking the city, a Pirates Baseball hat and tickets for seats in the lower outfield box.

Cost per person would be approx. \$65 – \$68
(Pirates have not set their catering pricing for 2014)

Southern hospitality menu includes:

- Southern fried chicken - lightly breaded, golden fried
- Corn muffins and honey butter
- Slow roasted barbecue ribs - tender & succulent ribs smothered in BBQ sauce (served with plenty of handy wipes)
- Fire roasted corn with peppers and onions

- Baked pepper-jack macaroni & cheese accented with diced green chiles
- Peach salad - butter bib lettuce gently garnished with fresh peaches and blue cheese crumbles & finished with chef's fresh onion vinaigrette dressing
- Watermelon platter
- Peach cobbler with vanilla ice cream
- The back porch peach iced tea
- Pepsi soft drinks
- Draft beer

OPTION 3: PITTSBURGH HOFBRAUHAUS

Dinner, Tour and Beer Tasting – Monday May 12th

It's always Oktoberfest at the Hofbrauhaus in the Southside.

Back by popular demand the Hofbrauhaus offers a beer making and beer tasting tour followed by a great dinner selection and live entertainment in their unique German Bier Hall.

Pricing for dinner, tour & beer tasting: \$50 / person.

The Pittsburgh Hofbrauhaus menu includes:

- Refillable soft drink, coffee or tea
- Bavarian pretzel and house salad

- Choice of one of the following:
 - SAUERBRATEN - slow roasted wine and vinegar marinated beef with red apple kraut and mashed potatoes
 - KASSELER RIPPCHEN - smoked and grilled center cut pork chops with sauerkraut and mashed potatoes
 - OKTOBERFEST HENDL - roasted half chicken with German potato salad and kraut salad
 - TILAPIA - sautéed tilapia fillets served with rice pilaf and chef's vegetable selection and topped with a creamy Alfredo sauce
- Desert: Apfel strudel ½ portion - traditional homemade Bavarian apple strudel with powdered sugar

PSCT OFFICERS AND BOARD OF DIRECTORS

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PSCT Membership Application and Dues Renewal Form for 2013-2014

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

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

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**Pittsburgh Society for Coatings Technology
Hiram P. Ball Memorial Scholarship**

**PSCT Science, Technology, Engineering
Mathematics Grant Application**

APPLICATION DEADLINE: MARCH 15, 2014
ALL APPLICANTS MUST ATTACH COPY OF TRANSCRIPT

Applicant (student): _____

Permanent Address: _____

Phone: _____ Email: _____

PSCT Member Sponsor: _____

Present School/University (2013-14): _____

College/University (2014-15) _____

CLASS STATUS:

☐ Graduating High School Senior

College: ☐ Freshman

☐ Sophomore

☐ Junior

☐ Senior

Major Course of Study: _____ Cumulative Grade Point Average: _____

Science, Technology, Engineering, or Mathematics Grant Applicant: ☐

Major Study GPA (last 12 months): _____

FIRST-TIME APPLICANTS: Please submit 2 character references from teachers, clergy, employers, professionals, etc., who are familiar with the student's goals and aspirations.

STUDENT SIGNATURE Date: _____

PSCT SPONSORING MEMBER SIGNATURE Date: _____

Return to: Julie Glover
PSCT Education Chairman
115 Technology Drive
Pittsburgh, PA 15275
jglover@kta.com

Pittsburgh Society for Coatings Technology

Hiram P. Ball Memorial Scholarship

APPLICATION DEADLINE: MARCH 15, 2014

ALL APPLICANTS MUST ATTACH COPY OF TRANSCRIPT

REQUIREMENTS

- The PSCT Board of Directors will determine, in January, the total amount of scholarship money to be awarded each year.
- The maximum dollar amount of each scholarship will be \$1500. Scholarship money will be awarded equally to students as recommended by the Scholarship Committee. The Science, Technology, Engineering and Mathematics grant will be added to the recipient's scholarship award. (See Grant requirements below)
- Scholarship awards are to support undergraduate studies of FULL-TIME students enrolled in an accredited college or university seeking an associate or bachelor degree.
- Scholarships may be awarded to any applicant a maximum of four times.
- Applicant must be the child of an actively participating PSCT member who is current with dues. The member must also attend at least four (4) PSCT meetings or events a year or serve as a PSCT Committee Chair. .
- Scholarships are limited to one award per applicant per PSCT member per year.
- Applicants must submit a Hiram P. Ball Memorial Scholarship Application which includes a short statement explaining how the course of study will allow the student to reach their career goals.
- Applicants must maintain a 2.75 (out of 4.0) grade average.
- The Scholarship Committee will consist of five PSCT Members who do not have a child or relative applying for a scholarship
- COURSE OF STUDY: Although all courses of study are open, students are encouraged to pursue scientific, engineering or mathematical programs that lead to employment in the Coatings Industry.
- New Applicants must also submit 2 Character References who know the student and their goals:
 - Teachers
 - Clergy
 - Employers
 - Neighbors/Friends
 - Professionals (doctors, business people)

PSCT Science, Technology, Engineering Mathematics Grant Requirements

The Pittsburgh Society for Coatings Technology is a technical society to promote the welfare of the coatings Industry. The Society will be offering an additional grant to one student who is enrolled in a technical course of study. To be considered for this grant, the student must meet the following criteria. If more than one applicant meets the criteria, the award will be made to the student with the highest cumulative grade point average as of application deadline. If no applicant meets the requirements, no grant will be made.

The decision of the PSCT Scholarship Committee is final in their decision regarding the grant.

Criteria:

- Must meet all other Hiram P. Ball Memorial Scholarship requirements.
- Applicant must have declared a major in Science, Technology, Engineering or Mathematics.
- Applicant must be entering their Junior or Senior year of college or university.
- Applicant must identify course directly associated with declared major curriculum.
- Applicant must have a GPA of 3.0 or greater in these related courses over the past 12 months (including summer school).
- The grant will be an additional \$500 over the Hiram P. Ball Memorial Scholarship award.