



PITTSBURGH SOCIETY FOR COATINGS TECHNOLOGY

DECEMBER 10, 2012

- TOPIC:** Optimizing Hiding and Performance of Architectural Coatings
- SPEAKER:** David Fasano, Ph.D., Application Scientist, Dow Coating Materials
- PLACE:** Freddie's – Building #6 on the Bayer Campus in Robinson Township
- 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, December 5 at grabigel@ppg.com or 215.510.8397

A MESSAGE FROM THE PRESIDENT

DEAR PSCT MEMBERS:

I would like to wish you all a Happy and Joyous Christmas Season and a Happy New Year. As I am writing this message in late November, the sun is shining and doesn't do anything for putting me in the mood for the holidays, however I'm not complaining!

I would like to again thank our good friend and loyal attendee, Dr. Clifford Schoff for speaking at the November meeting and his excellent talk on "Achieving Quality Coatings". Again we had a good crowd of 30 people attending the meeting.

Speaking of good friends, Bayer Material Science will again be sponsoring the December meeting on the Bayer Corporation Campus. The meeting will be at Freddie's – Building #6 on the Bayer Campus in Robinson Township. If you have never been to the Bayer Campus, Building #6 is the building to the left of building #4, which is the building with the giant "Bayer" sign. All of the funds raised from the December meeting will be applied to the Scholarship Fund for the children of eligible PSCT members. Please make an extra effort to attend, especially with our December speaker - Dr. David Fasano of The Dow Chemical Company. Dr Fasano, will be speaking on "Optimizing Hiding and Performance of Architectural Coatings".

Finally, we had a little schedule conflict with our January speaker and were able to "bump-up" the March speaker to January. Rachel Gogos of "The Identity Shoppe" will be speaking on Web Design. Peter Chakos has been very instrumental in working with getting the PSCT Web Site updated. Hopefully in the near future we will have an up-to-date Web Site that will be more beneficial and better meet the needs of our members.

GARY BALINT / PSCT President 2012-2013

<http://paintsociety.org/>



pitt.coatings.tech@verizon.net



SPEAKER'S BIO

DAVID FASANO, PH.D. As Application Scientist for the Dow Coating Materials (DCM) business of The Dow Chemical Company, David Fasano is responsible for the technical support of DCM's Hiding Platform. This includes EVOQUE™ Pre-Composite Polymer and ROPAQUE™ Opaque Polymer Technologies and their integral role in hiding and paint formulation across the coatings industry.

Dr. Fasano's areas of scientific expertise include application and advancement in opacity, light scattering and pigmentation as well as rheology, dispersion and film formation. He holds six U.S. patents with several currently pending. His thirty-year chemical industry career includes inventing, developing and supporting all aspects of technologies, innovative products and sales services for the paint, coatings, building and construction, paper and personal care industries. Dr. Fasano began his Dow career at the Rohm and Haas Company in 1982 and has held various positions in the laboratory and in research management across areas of science and technology that have shifted market trends in these areas. Fasano holds a Ph.D. in Physical Chemistry from the University of Nebraska.

ABSTRACT

The architectural coatings market continues to develop higher performing paints to meet customer demands amid the pressure of rising costs. Making the most of each raw material is crucial to obtaining favorable results. Using polymeric hiding technologies to optimize the use of TiO₂ offers formulators the ability to use some of the recovered cost to improve performance. Further enhancements in performance are achievable by adjusting binder and extenders level and using the proper additives. Different reformulation options, balancing cost and performance, will be presented.



MEMBER HIGHLIGHT

CHRISSY STEWART is a Chemist with KTA Tator, Inc., a consulting engineering firm specializing in industrial protective coatings. Employed with KTA since 2006 she is involved in coating failure investigations and comparative coatings testing services provided by both the analytical and physical testing laboratories. She holds a BS in chemistry from Mercyhurst College.

In addition to her membership with PSCT, Chrissy is involved in the coatings industry as a member of The Society for Protective Coatings(SSPC) and the American Concrete Institute (ACI). Ms. Stewart is currently sitting for her Protective Coatings Specialist Exam. She presented to our society in October 2011 regarding: Infrared Spectroscopy: A Sophisticated Match Game.

2012-13 MEETING SCHEDULE

Please mark your calendars for the great meetings:

January 14, 2013	February 11, 2013
March 11, 2013	April 8, 2013
May Outing: (TBA)	

PAINT POT:

Tim Knell was pulled for the November meeting drawing. Since Mr. Knell was not in attendance the pot will be \$100 and carried over to the December meeting

PSCT SCHOLARSHIP

Several changes in the PSCT Scholarship Program were adopted by the Board of Directors. The major change in the requirements for the General Hiram P. Ball Scholarship is an increase in the cumulative grade point average from 2.5 to 2.75.

The Pittsburgh Society for Coatings Technology is a science and 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. This Grant will be awarded to one Hiram P. Ball Scholarship recipient who meets the extra requirements: has a declared Science, Technology, Engineering or Mathematics major, entering the Junior or Senior Year, and has a 3.0 minimum grade point average in courses directly related to the declared major. (see application for specific requirements). The Grant will be \$500 in addition to the Hiram P. Ball Memorial Scholarship award.

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 logo and company name displayed on the PSCT website, please contact Alyssa Herzing (herzing@ppg.com) and non-member visitors will see your Company name when they log onto our site. Advertisers please contact Deb Longhini for details at longhini@ppg.com.



PSCT BROCHURE

Copies of the PSCT information brochure are available at PSCT meetings or by contacting Jim Wasik.

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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
151 Colfax Street
Springdale, PA 15144

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OFFICIAL USE ONLY:

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, 2013
ALL APPLICANTS MUST ATTACH COPY OF TRANSCRIPT

Applicant (student): _____

Address: _____

Phone: _____ Email: _____

PSCT Member Sponsor: _____

Present School/University (2012-13): _____

College/University (2013-14) _____

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: Mark Harley
PSCT Education Chairman
530 – 6th Street
Oakmont PA 15139

Pittsburgh Society for Coatings Technology

Hiram P. Ball Memorial Scholarship

APPLICATION DEADLINE: MARCH 15, 2013

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.