



PITTSBURGH SOCIETY FOR COATINGS TECHNOLOGY

MARCH 11, 2013

TOPIC: Inhibitive Protection and How Pigment Type, Morphology and Size Impact Coating Performance

SPEAKER: Rebecca Daley, Nubiola 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 Christina Marlier by Thursday –March 7, 2013
at Christina.marlier@emdmillipore.com or 215-510-8397

A MESSAGE FROM THE PRESIDENT

DEAR PSCT MEMBERS:

I would like to thank Joe Larson from ACT on his interesting talk on Test Panel Technology. 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. It is very important to review the requirements at the end of the Newsletter. The deadline for the application is March 15th, please fill out those applications and get them into Mark Harley.

Second - The election of officers will be taking place at the April 8th meeting. Tim Knell sent an e-mail to all of the PSCT members. I would like to quote what Tim sent everyone in his e-mail. "We need candidates for Vice President, Secretary, Treasurer, Director at Large and the Society Representative. VP, Secretary and Treasurer are for terms of 1 year although the Vice President is expected to be President the next year. The Society Representative serves a 2 year term." Please seriously consider serving as an officer for the PSCT. Additionally Mark Harley will be retiring from his position as Education and Scholarship Chairman. This is a very important function for the Society. Mark did a wonderful job over the years handling this responsibility. I'm sure Mark would be glad to "Show you the Ropes" for this position. Another person I would like to recognize and thank is, Jim Wasik for all his contributions over the years to the PSCT as the Society Liaison Representative. Jim has done a wonderful job as well, representing the Pittsburgh Paint Society over the

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<http://paintsociety.org/>



pitt.coatings.tech@verizon.net

years and the position needs to be filled. Please consider applying for the Society Liaison Representative position. Jim would also be glad to help you get acquainted with the responsibilities of this position.

Third – The location of the May Social Event will be voted upon at this month's meeting. Tim Hurley is putting together the various suggestions options that were brought up by the members. If the location has a room to give a presentation, Debbie Zimmer of the Dow Chemical Company will be able to give a talk on the 2012 Prettiest Painted Places competition, color trends and new market research data on a variety of end-user needs. Originally Debbie was to speak at this month's meeting, however there were some conflicts with her schedule.

The speaker for this month is Rebecca Daley from Nubiola, USA. Rebecca will be discussing the global cost of Corrosion and the mechanisms of inhibitive corrosion protection and how pigment types, morphology and size impact the coating's performance. Another life-time ago, I was in the Corrosion Department of U.S. Steel Research in Monroeville, PA and worked on very interesting corrosion projects during my career. It is a real challenge keeping corrosion in check!

The speaker for the April meeting is John Du from Altana, John will be giving a talk on Byk Additives.

GARY BALINT / PSCT President 2012-2013

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SPEAKER'S BIO

Rebecca Daley, Nubiola USA

Rebecca Daley is the Technical Service Chemist for Nubiola USA at the North American Technology Center in Norcross, GA. She obtained her degree in Polymers and High Performance Materials from the University of Southern Mississippi in 2008. She joined the Nubiola team in May 2008 and has played a very active role in a wide range of duties in support of daily responsibilities associated with the functions of a Pigment Applications Laboratory - providing support for both the color pigment line of products, the corrosion inhibitor line of products, as well as distribution products. She provides customer support in formulating and testing coatings formulations via ASTM and ISO test methods, as well as providing recommendations for pigment packages. In addition to the coatings market, she is involved in providing support and solutions to the plastics and construction markets as well. She is also an active member and secretary of the Atlanta Section of the SSCT.

ABSTRACT

Inhibitive Protection and How Pigment Type, Morphology and Size Impact Coating Performance.

It is estimated that every second approximately one ton of steel is destroyed globally through corrosion, and that the replacement costs are between \$200-\$400 billion US dollars per year. Rust cannot be 100% eliminated, but it can be slowed down. The three basic principles to do this are through barrier protection, sacrificial protection and inhibitive protection. This presentation will discuss the mechanisms of inhibitive protection and how pigment type, morphology and size impact the coating's performance.

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. Advertisers please contact Christina Marlier for details at christina.marlier@emdmillipore.com

Member Highlight

PSCT highlights a different active member each month in the newsletter. If you would like to be the highlighted member of the newsletter please send a brief description of your industry involvement and a business photo to be included in a future newsletter. Information to be included as a highlighted member can be sent to comalley@kta.com. Suggestions are welcome but please do not submit information of other members.



Gina Fleitman is the highlighted member for February.

Gina has been in the paint industry since 1982, starting as a college intern for SSPC while it was still on the campus of Carnegie-Mellon University. Her senior year she became a charter employee of Technology Publishing Company, where she worked for 24 years. Gina helped start up virtually all of TPC's products in that time period, including the Journal of Protective Coatings & Linings, Protective Coatings Europe, PaintSquare, Paint BidTracker, and the Journal of Architectural Coatings (now D&D). She joined MPI in 2009 where she is the Director of Sales & Marketing, responsible for working with paint companies on their MPI product approvals as well as promoting MPI's new online Training and Certification program; she also serves as staff technical writer for MPI's on-line training courses and other communication pieces. Her guilty pleasure outside of paint is working with theater; she's been on the board of Stage 62 in Carnegie for 20 years and also works as the Stage Manager for the spring musical at Bishop Canevin High School.

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.

Paint Pot

The member pulled for the January paint pot was Ed Millero. The Paint Pot will be \$25 for the March meeting.

Upcoming Conferences & Webinars

March 11 - 13: CoatingsTech Conference. Sponsored by ACA. Hyatt Regency O'Hare, Rosemont, IL.

March 18 - 21: European Coatings Show. Sponsored by Vincentz Network. Nuremberg, Germany.

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 - 5: Cleveland Coatings Society SINK or SWIM Holiday Inn - Independence, OH <http://www.clevelandcoatingsociety.org>



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PITTSBURGH SOCIETY FOR COATINGS TECHNOLOGY

Subject: 2013 PSCT Elections

To all members:

It is time to prepare the list of candidates to be officers for next year. The election will be at the April 8th meeting with the list of candidates to be announced at the March 10th meeting. Besides being fun and not that time consuming this is great chance for you to further your business development goals, meet new people, help qualify a son or daughter for a scholarship, and for older people like me, stay relevant.

We need candidates for Vice President, Secretary, Treasurer, Director at Large, and Society Representative. VP, Secretary, and Treasurer are for terms of 1 year although the Vice President is expected to be President the next year. The Society Representative serves a 2 year term. Ideally this is someone who usually goes to the Paint Show to meet briefly with the reps from the other local societies.

In addition we need a new chairperson for the education committee (and volunteers to be on the committee). Mark Harley has chaired this committee admirably for as long as I have been associated with the PSCT. I am sure that he will offer all the help he can. Education is our primary objective and the familiar scholarship program is just part of this.

I invite you all to think about running for one of these offices. The responsibilities are written in our bylaws or you may contact any of the existing officers for more details. Please call me at 412-471-3330 or email me at tknell@shorecorporation.com if you are interested.

This email list is a few months old so I may be missing a few newer members. If you know of anyone not on this list, please forward it to them. I encourage the newer members to get involved.

Regards,

Tim Knell

Timothy Knell, VP of R&D, Shore Corporation

2917 Spruce Way, Pittsburgh, PA 15201

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Mark Zoller
 Technical Sales Representative



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
151 Colfax Street
Springdale, PA 15144

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.