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# PITTSBURGH SOCIETY FOR COATINGS TECHNOLOGY



**TOPIC:** Corrosion Risk Assessment and Protective Coatings

**SPEAKER:** Dr. Mehrooz Zamanzadeh, MATCO Services, Inc.

**PLACE:** Domenico's Ristorante / 412-776-6455  
20550 Route 19, Cranberry Twp., PA 16066  
[www.domenicoscranberry.com](http://www.domenicoscranberry.com)

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

**COST:** \$30 with reservation / \$40 at the door / \$15 retired / \$35 online reservation

**RESERVATIONS:** Contact Christina Marlier by Thursday, Jan. 9 at [treasurer@paintsociety.org](mailto:treasurer@paintsociety.org) or 215.510.8397



## SPEAKER'S BIO

**DR. MEHROOZ ZAMANZADEH** is Matco's primary Failure Analyst/Corrosion Investigator. He is NACE certified in corrosion, coatings, materials selection/design, and a cathodic protection Specialist. Among his credits are a variety of awards (NACE Fellow Award, ASM Fellow Award, Colonel Cox Award). Dr. Zamanzadeh has performed numerous failure analysis investigations involving corrosion, coatings, and materials damage investigations in the construction industry, oil/gas industry, utilities and aging aircrafts. He has authored 30 technical publications and holds fifty patents.

## ABSTRACT

### CORROSION RISK ASSESSMENT AND PROTECTIVE COATINGS

A brief description of degradation mechanisms and field inspection techniques for evaluation of protective coatings will be provided. Specific attention will be given to scientific and technical concepts behind inspection techniques and their relationship with detection of corrosion activity and assessing corrosion rate. Corrosion and coatings inspection techniques should be based on an accurate scientific description of the corrosion mechanisms. Several require-

ments must be addressed in the usefulness of these risk assessment techniques. A primary requirement is that the inspection should determine both the presence of corrosion activity, and if the corrosion is accelerated. Otherwise, the inspection lacks validity with regard to corrosion risk assessment. A second key requirement is that sufficient scientific understanding of the corrosion mechanism should be available so that the test data can be modeled, analyzed and interpreted in a physically meaningful way.

The case histories portion of the presentation will include projects that involved both site investigations and failure analysis lab investigations.

## PRESIDENT'S MESSAGE



Dear PSCT Members:

I hope all of you had an enjoyable Holiday Season, and celebrated the beginning of a wonderful New Year. Sorry to say the Steelers will not be in the playoffs for the second year in a row so we will have to practice patience.

They say what doesn't kill you makes you stronger so let's hope the Steelers are a stronger team than ever in 2014.

Returning to the business at hand, I would like to thank Bayer Material Science for sponsoring the December meeting at Freddie's and Nexeo Solutions for providing the libations for the meeting. All of the revenue raised from the December meeting will be going to the Scholarship Fund.

I would also like to thank Dr. Eric Fernandez, Director of Business Development for Coatings and Antiblock at EP Minerals. Dr. Fernandez, an expert on the uses of diatomite in coatings, spoke to us on "Diatomite as a Matting or Flattening agent; Mechanisms and Properties".

Our next meeting is January 13th and will be held at Domenicos in Cranberry Twp, 20550 RT 19N (Piazza Plazo). The link to Domenicos website to preview the venue, or obtain directions is: <http://www.domenicoscranberry.com/>. Our speaker for this month is Dr. Zamanzadeh of MATCO Services, Inc. Dr. Zee, as he is affectionately known, will be speaking on "Optimizing Corrosion Protection by Coatings".

Cindy O'Malley

PSCT President 2013-2014

## PSCT SCHOLARSHIP

The requirements for the PSCT Scholarship Program remain the same as the 2012 - 2013 year. The major change instated last year 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 continue to offer 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.

## 2014 MEETING SCHEDULE

Please mark your calendars for the great meetings ahead:

February 10, 2014	March 10, 2014
April 14, 2014	May Outing: (TBA)

## MEMBER HIGHLIGHT: JEFF MEADE



Jeff has been in the paint industry for 40 fun filled years now all with PPG. He has done everything from cooking resins and formulating paints to making color. Color has been the focus of most of his career and he is currently the Manager of Color Technology for PPG Architectural Coatings.

Throughout the years he has been involved in all aspects of color from formulating colorants, to color matching, to color formula delivery, to designing color cards and the large color displays. If you have ever been to a Lowes, Menards, PPG Paint store or Dealer to pick a color you have seen his work. In his spare time he tries to play some golf, keep up with the yard work, the dogs, the cats, the horses and his daughters and if he's really lucky he gets in a little canoeing or maybe even some scuba diving.

## PAINT POT

The winner of the December Paint Pot was Jeff Meade of PPG Industries, Inc. Jeff took home a pot of \$25. Congratulations Jeff!

## NEW WEBSITE

Please visit <http://paintsociety.org> and view the new 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!



## 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](mailto:grabigel@ppg.com) or at 724-274-3548. You should have received an e-mail from Britney with the membership renewal form. If you renewed online through the ACA website, please confirm your status with Britney.

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

## RANDALL L. C. RUSSELL RANBAR INDUSTRIES



Randall L. C. Russell passed away at 68 on January 4, 2014. He was President of Ranbar Industries and an avid supporter of the Pittsburgh Society for Coatings Technology. Outside of work, Randall enjoyed skiing and golf. In 2012, Team Ranbar, which included Randall Sr. and Randall Jr., won the PSCT Golf outing. Our condolences to his wife, Barbara, and son, Randall L. Russell.

## 2014 CONFERENCES:

[www.paint.org/events/virtual-learning-conferences.html](http://www.paint.org/events/virtual-learning-conferences.html)  
**CONFERENCE - JANUARY 20, 2014 1:00 - 2:00 PM**  
**Coatings for Concrete Conference**  
**Planet Hollywood Resort and Casino / Las Vegas, NV**

**CONFERENCE - FEBRUARY 24 - 28, 2014**  
**The Waterborne Symposium**  
**Environmentally Friendly Coating Technologies**  
**New Orleans Sheraton, LA**

**CONFERENCE - FEBRUARY 26 - 28, 2014**  
**Smart Coatings Conference / Orlando, FL**  
[www.smartcoatings.org](http://www.smartcoatings.org)

**CONFERENCE - APRIL 8 - 10, 2014**  
**American Coatings Show**  
**Georgia World Congress Center / Atlanta, GA**

## 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](mailto:christina.marlier@EM-Dmillipore.com)

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## COMMITTEE CHAIRS

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raymond.stewart@bayer.com

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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

Britney Grabigel / PPG Industries  
151 Colfax Street  
Springdale, PA 15144

grabigel@ppg.com

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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.