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PITTSBURGH SOCIETY FOR COATINGS TECHNOLOGY

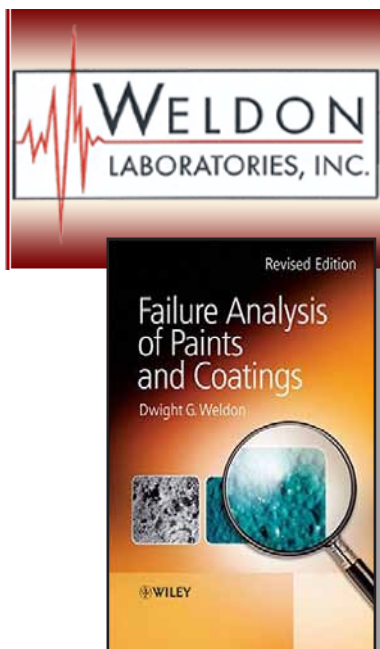
MARCH 13, 2017



TOPIC: Anatomy of a Coating Failure
SPEAKER: Dwight G. Weldon of Weldon Laboratories, Inc.
LOCATION: **ROLAND'S SEAFOOD GRILL & IRON LANDING**
1904 Penn Ave. Pittsburgh, PA 15222
412-261-3401 / rolandsseafoodgrill.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: Dan Bickford
by Thurs., March 9 at
psct1927@gmail.com
Or Call: 814-242-6966
Or Sign Up Via PayPal:
www.paintsociety.org



Dwight G. Weldon of Weldon Laboratories, Inc.

Dwight Weldon is the President of Weldon Laboratories, Inc., a company specializing in both routine testing and failure analysis of paints and coatings. He has a B.S. degree in chemistry from the University of Michigan and an M.S. degree in analytical chemistry from Michigan Technological University. Mr. Weldon has over 35 years of experience in the coatings industry, has performed thousands of paint failure investigations, and is the author of the book "Failure Analysis of Paints and Coatings", published by John Wiley & Sons. He has presented numerous lectures and workshops on failure analysis, and is a member of ASTM, SSPC, the American Chemical Society, and the Pittsburgh Society for Coatings Technology.

Anatomy of a Coating Failure

As Tolstoy once said, "Happy families are all alike; every unhappy family is unhappy in its own way." This statement on the human condition is actually not too far off the mark when it comes to paint failures. Indeed, there are a wide variety of reasons why a particular paint or coating may fail prematurely. And there are also a wide variety of analytical methods available to help us understand such failures. So, put on your deerstalker hat and venture into the holds of a cargo ship to investigate the blistering of a high performance novolac epoxy coating system.

SCHOLARSHIP UPDATE: The last day to apply is **March 15, 2017**. The PSCT board voted to maintain the same level of support for the scholarship program as last year. The Hiram P. Ball Memorial Scholarship will be \$6,500 to be split among the winners, and the STEM grant winner will receive an additional \$500 scholarship.

Please see the updated application in this newsletter or on our website, www.paintsociety.org.

PRESIDENTS MESSAGE



Kenneth Cutler
PSCT President
2016-2017

Dear PSCT Members,

I would like to thank Tim Reilly of Clariant for presenting at the February meeting. I thoroughly enjoyed the discussion of fire retardant technologies offered by Clariant. As a formulator myself who happens to deal with wood treatments, I find it very useful to have Tim come in and update me on the newest technologies and products that might help me with my work. As a reminder to all members, the PSCT board is always willing to listen to ideas for topics that might interest our members. If you have an idea for a topic, just email one of the board members or stop us during one of the meetings.

The deadline for the Hiram P. Ball Memorial Scholarship and STEM grant is March 15, 2017. I'd like to remind everyone to read the application thoroughly and make sure your application is complete. Incomplete applications will NOT be approved by the Scholarship Committee. As a reminder, the Hiram P. Ball Memorial Scholarship will be \$6,500 to be split among the winners, and the STEM grant winner will receive a \$500 scholarship. Please review the scholarship applications for further details.

Our next social event will be a Pirates baseball game on April 24th. Come and watch the Pirates play some team from Chicago that might have won something last year. The cost of the event will be \$70 per ticket. There is a limited number of tickets for this event! Please make your reservations early so you don't miss out!

We are still searching for PSCT Board members for the next year. Please consider volunteering your time and talents to keep our organization strong! As usual, we will be seeking nominations for Treasurer, Secretary, Vice-President, and Director-at-Large. We will also need a Society Liaison Representative which is a two-year term. The current Vice-President, Mark DePasquale, will move to President and the current President, Ken Cutler, will move to Past President. If you have any interest in any of these positions, please contact Jim Wasik or any of the PSCT Board members.

Have you considered helping the PSCT by volunteering for a committee chair? This is a great option for those you don't feel like they have the time to commit to a PSCT board position, but still want to be actively involved. These positions are appointed by the PSCT President and serve for one year. We are in need of filling the Membership, Nominating, Program, Bylaws, Audit, and Scholarship Committee chairs for next year. If you are interested, please contact one of the PSCT board members.

Our next meeting on March 13th and will be at Roland's Seafood Grill & Iron Landing in the Strip District. The speaker, PSCT member Dwight Weldon, will present at 6 pm with a talk entitled "Anatomy of a Coating Failure" and will be followed by dinner. I hope to see all of you there!

PAINT POT

Edward Millero of PPG was picked for February's Paint Pot and was awarded \$25. The Pot will reset back to \$25 for this month's drawing. Remember, in order to be eligible to win, you must be an active member and must be present at the meeting when drawn.

CALL FOR SPEAKERS

We are still looking for a speaker for the **April 10th, 2017** meeting. If you are interested in presenting please contact Ken Cutler at kcutter@kop-coat.com.

PSCT SPRING EVENT: PITTSBURGH PIRATES -VS- CHICAGO CUBS*



***WORLD SERIES CHAMPION**

MONDAY, APRIL 24, 2017

\$70 FOR PSCT MEMBERS & GUESTS.

INCLUDES: Buffet in the picnic park overlooking the city and tickets for seats in the lower outfield box. Buffet at 5:30 pm & game at 7:05 pm. **PAYMENT DUE MARCH 24:** Send check to Tim Hurley or pay at the March PSCT Meeting.

NOTE: SPACE IS LIMITED TO 47 ATTENDEES!

CONTACT TIM HURLEY TO SIGN UP:

PPG Architectural Coatings • 400 Guys Run Rd., Cheswick, PA 15024 • thurley@ppg.com • 412-517-3138

UPCOMING CONFERENCES & EVENTS:

APR | ARCHITECTURAL
PAINT RESEARCH

6th Architectural Paint Research Conference


MARCH 15 – 17, 2017

<http://www.apr2017.org/>

Columbia University / New York, NY

Organizer: Architectural Paint Research

The 6th International Architectural Paint Research Conference will be hosted by Columbia University in New York City from March 15 to 17, 2017. The theme of the conference, Powers of Ten, is reference to a short film from 1977 by Charles and Ray Eames. Like the film, Architectural Paint Research (APR) deals with magnitudes of scale, from a single pigment particle, to a painted house, to the decorative tastes of an entire region. In the spirit of the film, the 2017 APR conference aims to take a closer look at how we carry out our research at every level, from the micro to the macroscopic.



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<http://www.epced.com/>

March 20-23: Scale-up & Commercial Production of Emulsion Polymers / Micro Tek, San Francisco, California

April 24-26: Hybrid Latex Systems / Mary Gates Learning Center, Alexandria, Virginia

June 5-8: Core-Shell Latex Particles: Fundamental Aspects of Morphology Control / University of New Hampshire, Durham, New Hampshire

CORROSION 2017
Conference & Expo

CORROSION 2017 Conference & Expo

MARCH 26 – 30, 2017

Sponsored by NACE International

Website: <http://www.nacecorrosion.org>

Morial Convention Center / New Orleans, LA



American Coatings
ASSOCIATION

2017 CoatingsTech Conference

**Meeting the Sustainability Challenges
of Today and Tomorrow**

MARCH 20-22, 2017

Westin Cleveland Downtown Cleveland, Ohio

<http://www.paint.org/2017-coatingstech-conference/>

This event, which is held on alternate years with the American Coatings Conference, provides coatings professionals the most innovative technologies and applications shaping the industry, as well as regulatory trends and networking opportunities. Through a series of special lectures from notable industry experts, focused technical sessions aimed at fully exploring key topics, and critical advanced training sessions, the 2017 ACA CoatingsTech Conference offers an unprecedented opportunity for all levels of coatings professionals to participate and learn from each other.

New Conference Features

- Short courses that provide critical training for coatings professionals from entry level to research managers
- High-level presentations from leading industry experts revealing cutting-edge developments
- Full exploration of the coatings industry's role in meeting regulatory and sustainability challenges
- Presentations from heralded industry experts including winners of the Roon Award, Mattiello Lecture, Student Presenter and Poster Award, and the inaugural CoatingsTech Award

Keynote Address

David Bem is vice president of Science & Technology and chief technology officer at PPG. Bem will discuss PPG's recent R&D efforts in addressing current and emerging market demands and regulatory trends. He will cover corrosion protection with a reduced environmental impact, coatings that enable energy efficiency, technologies driven by energy production innovation, and coating innovations driven by current and future regulatory trends. At PPG, Bem oversees innovation across a portfolio of key segments to drive adoption of new paint and coatings offerings in products ranging from automobiles and airplanes to electronics and home care goods.

CIRCUS CITY 2017

The Greatest SSCT Show on Earth!

<http://www.ssct.org/>

2017 SSCT Annual Meeting & Tech Conference

APRIL 30 - MAY 3, 2017



SSCT Southern Society
for Coatings Technology

Hyatt Regency Sarasota
Sarasota, FL



<http://easterncoatingsshow.com/>

MAY 15 - 17, 2017

Philadelphia Society for Coatings Technology, the New England Society for Coatings Technology and the Metropolitan New York Coatings Association. Intended to offer educational and technical presentations to create a profound understanding of the theory, the science, the manufacturing and the marketing of coatings to highlight the improvement of coatings performance and functionality beyond traditional expectations.

The Eastern Coatings Show was established in 2013 and was warmly welcomed by the industry and it is our intent to exceed the quality and professionalism with the symposia and exhibit offerings of our second show.

CCS ANNUAL GOLF OUTING

... SUPPORTING THE ANNUAL SCHOLARSHIP FUND

SLEEPY HOLLOW GOLF COURSE

BRECKSVILLE, OH

WEDNESDAY, MAY 24TH, 2017



Contact

Tim Kerchenski 440.455.9200

Nick Tamerlano 440.289.7936

9:30 Registration
11:00 Shot Gun
4:00 19th Hole
5:00 Steak Roast
Entry Fee - \$150 pp
Includes Boxed Lunch
Cart, Beer & Steak Roast
Prizes Include:
Low Gross
Low Net
Skill Prize,
Raffle
& 50/50

REGISTER ON-LINE

CLEVELAND COATINGS SOCIETY

www.ClevelandCoatingsSociety.org

**CLEVELAND
COATINGS
SOCIETY**



**SINK OR SWIM
JUNE 6TH & 7TH
2017**

<http://www.clevelandcoatingsociety.org/>

ACA MEMBERSHIP

Coatings Science & Technology Professionals

ACA also offers a special membership category for Coatings Science & Technology Professionals, but these benefits are available to employees of Corporate Member companies at no additional cost.

Coatings Science & Technology Professional membership provides an opportunity for individuals working in the industry to benefit from member pricing for educational and training programs, and to have access to science and technology publications and events. This category of membership is offered for industry consultants, employees of non-member companies, and those working in academia.

Benefits of Coatings Science & Technology Professional membership include:

- Subscription to print and digital versions of **CoatingsTech** magazine
- Subscription to **Coatings Today** bi-monthly e-newsletter
- Online access to the **Journal of Coatings Technology and Research**

- Discount on registration fees for conferences and webinars
- Discount on publication orders
- Web access to "members only" technical information

To join ACA as a Coatings Science & Technology Professional member or to renew your existing membership, please click the link below.

Coatings Science & Technology Professional membership is also available free of charge to university-level coatings technology students. Student membership includes complimentary subscriptions to **CoatingsTech** magazine, **Coatings Today**, and the **Journal of Coatings Technology and Research**. Click the link below to apply for student membership.

All applications will be reviewed for eligibility. Applicants must allow three business days for processing before utilizing member benefits.



<http://www.paint.org/about-aca/membership/coatings-science-technology-professional-membership/>



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Andy DePage
Technical Sales Representative

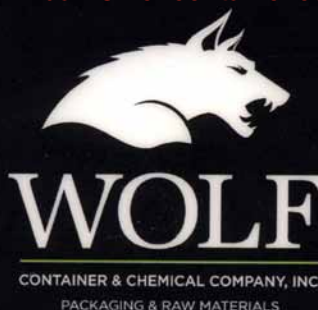
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wolfcontainer.com

PSCT Membership Application and Dues Renewal Form for 2016 - 2017

1. MAILING ADDRESS:

Name: _____

Company: _____

Address : _____

City: _____

State/Prov: _____ Postal Code: _____

2. CONTACT INFORMATION:

Work Phone: _____

Fax: _____

Toll Free: _____

Home Phone: _____

Email: _____

3. PSCT MEMBERSHIP DUES

☐ Primary Full Society Membership \$40

☐ Secondary Full Society Membership \$40 – Please indicate primary society membership: _____

☐ Student / Educator \$10

☐ Retired Members \$10

5. PAYMENT INFORMATION:

☐ Check payable to PSCT

6. SIGNATURE AND DATE: (Required)

Signature: _____ Date: _____

7. RETURN APPLICATION AND CHECK TO: Dan Bickford, PPG Industries
400 Guys Run Road
Cheswick, PA 15024


OFFICIAL USE ONLY:


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

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Golf / Fund Raising
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Atomized Materials
412-221-7020
sepuglisi@atomizedmaterials.net

Scholarship Chair
Tom Van Kuren
Watson Standard Company
tvankuren@gmail.com

ADVERTISEMENT REMINDER

We would like to thank all of 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 Dan Bickford at psct1927@gamil.com.

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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, 2017

All Applicants must attach a full and detailed copy of transcript (School website transcript is acceptable).

PSCT Scholarship Committee has full discretion to reject an incomplete application.

Applications are to be submitted electronically by e-mail to: **psct1927@gmail.com**. An endorsement e-mail by the Sponsoring PSCT Member(s) must be submitted to **psct1927@gmail.com**. The subject of the application and endorsement must be: PSCT SCHOLARSHIP APPLICATION. The student is advised to submit a COMPLETE application including home address. Submission deadline remains March 15, 2017.

Applicant (student): _____

Permanent Address: _____

Phone: _____ Email: _____

PSCT Member Sponsor: _____

Present School/University (2016-17): _____

College/University (2017-18) _____

OFFICIAL CLASS STATUS AS OF DECEMBER 31, 2016:

☐ Graduating High School Senior College: ☐ Freshman ☐ Sophomore ☐ Junior

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: _____

Revised 11/2016

PSCT SCHOLARSHIP COMMITTEE HAS FULL DISCRETION TO REJECT AN INCOMPLETE APPLICATION.

Pittsburgh Society for Coatings Technology Hiram P. Ball Memorial Scholarship

APPLICATION DEADLINE: MARCH 15, 2017

ALL APPLICANTS MUST MEET AND COMPLETE ALL REQUIREMENTS OUTLINED BELOW.

PSCT SCHOLARSHIP COMMITTEE HAS FULL DISCRETION TO REJECT AN INCOMPLETE APPLICATION.

GENERAL INFORMATION

- The PSCT Board of Directors will determine, in January, the total amount of scholarship money to be awarded each year.
- Scholarship money will be awarded equally to students as recommended by the Scholarship Committee.
- The Science, Technology, Engineering and Mathematics (STEM) grant will be added to the recipient's scholarship award. (See STEM grant requirements below.)
- **ELIGIBILITY:** Scholarship awards are to support undergraduate studies of FULL-TIME students enrolled in an accredited college or university seeking an associate or bachelor degree as of December 31, 2016. (Students must have maintained a minimum of 12 credits per semester for the 2 previous semesters to be considered full time), Students graduating from their senior year of high school are also eligible for the award.
- The Scholarship Committee will consist of five PSCT Members who do not have a child or relative applying for a scholarship.
- Scholarships are limited to one award per applicant per PSCT member per year.
- **COURSE OF STUDY:** All courses of study are open. (Exception: The additional STEM grant has further course of study restrictions. See STEM grant requirements below.) The PSCT does encourage students to pursue scientific, engineering, or mathematical programs that lead to employment in the Coatings Industry.

REQUIREMENTS

- Applicants must submit a COMPLETE Hiram P. Ball Memorial Scholarship Application which includes a 200-word minimum essay explaining how their course of study will allow the student to reach their professional and educational goals
- Applicants must maintain a 2.75 cumulative GPA (out of 4.0).
- Applicants must submit a full and detailed copy of their transcript. School website transcripts are acceptable.
- Applicants must meet eligibility requirements with regard to enrollment and status at their college or university. (See general information above for more details on who is eligible.)
- Applicant must be the child of an actively participating PSCT member who is current with dues. The PSCT Member must attend at least four (4) PSCT meetings or events a year. The sponsoring PSCT member must submit an electronic letter of endorsement confirming the applicant meets all of the requirements.

OR

The applicant may be a Student Member of the PSCT who is current with dues. Student Member applicants must be sponsored by an actively participating PSCT member who is also current with dues. The Student Member applicant must attend at least four (4) PSCT meetings or events a year. The sponsoring PSCT member must submit a letter to the Scholarship Committee endorsing the applicant.

- Applicant may receive the award up to a maximum of four times.
- New Applicants must also submit 2 Character References who know the student and their goals:
 - Examples: Teachers, Clergy, Employers, Neighbors/Friends, Professionals (doctors, business people).
 - References from relatives are NOT acceptable.

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 regarding the grant is final.

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 including the degree audit.
- Applicants must highlight within the transcript, the courses that were taken.
- 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.

Revised 11/2016