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PITTSBURGH SOCIETY FOR COATINGS TECHNOLOGY

FEBRUARY 10, 2020

PAST PRESIDENTS' NIGHT



TOPIC: Rheology Fundamentals and Quantification Techniques

SPEAKER: Joseph Ambrosi, Ashland Specialty Ingredients

LOCATION: Roland's • 1904 Penn Ave, Pittsburgh, PA 15222
412-261-3401 • www.rolandspittsburgh.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

PLEASE RSVP:

Contact: Art Kasson by
Thursday, FEB 6 at
psct1927@paintsociety.org
Or Call @ 412-389-4977
Or Sign Up Via PayPal:
www.paintsociety.org



Joseph Ambrosi

Coatings Technical Service Scientist
Ashland Specialty Ingredients

JOSEPH AMBROSI is a Coatings Technical Service Scientist at Ashland Specialty Ingredients. He has worked at Ashland for five years originally joining the company while completing his education. Joseph holds a Bachelor of Chemical Engineering degree in Chemical and Biomolecular Engineering from the University of Delaware.

ABSTRACT: Rheology Fundamentals and Quantification Techniques

The rheology profile of a coating is one of its most important physical properties. It can heavily dictate a coating's application and film properties. Understanding the basic principles of rheology as it relates to the coatings industry can assist formulators in creating an optimal coating with the desired balance of properties. This presentation will introduce and define commonly used rheology terms and measurements and characterize their meanings. Additionally, novel quantification techniques designed to characterize the effect rheology has on a coating's application and final film appearance will be introduced. The effect of different thickeners on a coating's rheology profile, application, and final film properties will be examined as a case study into the effects of rheology on a coating.

HIRAM BALL SCHOLARSHIP

PSCT Scholarship applications are due March 15, 2020. No extensions. The PSCT scholarship assists college students in their pursuit of a college degree. The scholarship is open to children of PSCT members. There is also a special STEM grant offered to college junior and senior level students. This grant is open to students pursuing a degree in one of the STEM curriculums. Details and application are found in this newsletter or on-line at: www.paintsociety.org. Do not miss the deadline. Read the requirements carefully.

PRESIDENTS MESSAGE



Dear PSCT Members,

At our last meeting we had an excellent presentation on the essentials of weathering given by Jean-Paul Riccio, the North American Technical Sales representative for Q-Lab. Jean-Paul's energetic presentation was packed full of information on natural weathering and xenon arc and fluorescent UV laboratory weathering and captured our

attention for a full hour. Many thanks to Jean-Paul and Q-Lab for the presentation!

Applications to the PSCT Hiram P. Ball Scholarship and STEM grant are due by Sunday, March 15. If you have a student who will be in college next year, please encourage them to apply. The application may be found at the end of this newsletter and on the PSCT website at www.paintsociety.org.

In honor of President's Day, we would like to extend a special invitation to all PSCT Past-Presidents to attend our next meeting on Monday, February 10. Former presidents will be charged the \$15 retiree rate for the meeting and dinner.

We would like all PSCT members to join us at Roland's on February 10 as we honor PSCT presidents from years past. Joseph Ambrosi of Ashland Specialty Ingredients will be speaker, and his topic will be rheology fundamentals and quantification technique. If you are not a member of PSCT, you are welcome to join us as well, to meet others from across the coatings industry and learn about rheology. We hope to see you there!

Cheryl Roberts, PSCT President 2019-2020

2020 MEETING DATES

March 9 Shanti Swarup, PPG Industries

Recent Advancements in Polymer Synthesis and Applications in Coatings

April 20 Mike Toth, BKY USA

An overview and understanding of market trends, technologies and how proper additive selection can help achieve high quality wood coatings

May Social Event: Something Fun and Different!

CALL FOR SPEAKERS

We are looking for speakers for the 2020-2021 year. If you are interested in presenting please contact Chris Chaousy at cchaousy@coalfillers.com.

PAINT POT

The winner at the January meeting was Chuck Cheeks who took home winnings totaling \$50. The paint pot will return to \$25 for the February meeting. In order to be eligible to win, you must be an active member and must be present at the meeting when drawn. If the drawn member is not present, the pot will roll over to the next month.

MEMBERSHIP DRIVE

You can still renew your dues for the 2019 – 2020 membership year (July 1 – June 30) of the Pittsburgh Society for Coatings Technology. This year is the 91st Anniversary of the PSCT. Our society was founded in 1927 with the objective of promoting the welfare and education of the members through exchange of emerging technologies. Also, promoting educational scholarship to undergraduate students remains a prime objective of the PSCT. We encourage you to check out our website (<http://paintsociety.org>). The website not only relays information about the Society and upcoming events, but also offers members an easy way to renew their membership (There is a \$5 convenience charge added to PayPal payments).

CONSTITUTION & BYLAWS

Review of the PSCT Constitution and Bylaws is required every 5 years. The last revision was issued in April 2020, so it is now time for this document to be reviewed. If you would like to serve on this committee, please contact a PSCT Board Member.

PSCT SOCIAL EVENTS

If you would like to help with the December or May 2020 social events, please contact a PSCT Board Member.

PSCT OFFICERS

Nominations are open for next year's PSCT Officers and Board of Director. Open seats are Vice-President, Secretary, Treasurer and Director-at-Large. Interested individuals should contact Chris Gehly – Past-President: cgehy@matw.com. Elections for PSCT offices will take place at the April 2020 meeting.

Continuing on the PSCT 2020-21 Board of Directors are: Cheryl Roberts, who becomes Past-President, Chris Chaousy, who becomes President and Mark DePasquale, who is ACA Society Liaison Committee Representative who will be in his second year of a two-year term.



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UPCOMING EVENTS

47th Annual Waterborne, High-Solids and Powder Coating Symposium

February 16 - 21, 2020 – New Orleans
<https://www.waterbornesymposium.com/>

Smart Coatings 2020

February 26 - 28, 2020 – Orlando
<https://www.smartcoatings.org/>

CORROSION 2020

March 15 - 19, 2020 – Houston
<http://nacecorrosion.org/>

American Coatings Show and Conference 2020

March 31 – April 2, 2020
Indianapolis Conference Center
<https://american-coatings-show.com/>

OTHER SOCIETIES' EVENTS:

Cleveland Society – February 20 – Meeting

<https://www.clevelandcoatingsociety.org/tech-dinners>

Chicago Society – February 10 – Meeting

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

Philadelphia Society – May 5 – Spring Symposium

<http://psct.org/psct-schedule/>

WEBSITE

Please visit <http://www.paintsociety.org> to view the website, including the current newsletter, President's message, upcoming events, Scholarship application and more. Don't forget you can RSVP and pay for the upcoming dinner meeting and events from the home page of the website. You can also renew your membership directly online.



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UPCOMING ACA MEETINGS AND WEBINARS (MEMBERS ONLY)

<https://www.paint.org/>

Canada and Europe's Biocide Restrictions

February 20 / 1:00 pm - 2:00 pm

Challenges of Recruitment, Development and Retention of Talent in the Coatings Industry

Thursday, March 12, 2020

PCBTF Under Proposition 65 and Possible Future VOC Exemption Status Changes in California

Thursday, March 26, 2020

ACA's Powder Coating Committee

Tuesday, March 31, 2020

ACA's Sustainability Committee

Tuesday, March 31, 2020

Scale-up and Commercial Production of Emulsion Polymers

Monday, April 20, 2020 / Thursday, April 23, 2020

Make it stick! A hands-on workshop
on adhesion and surface preparation

Make it stick!

This three-day workshop hosted by KRÜSS features sessions in partnership with Dr. Kash Mittal, Adapt Laser, Cold Jet, Enercon, and Tantec. With a small class size, attendees will have the opportunity to go beyond the surface and learn how to operate the tools and software that are used to analyze and optimize surfaces for improved adhesion and work in hands-on setting to really *make it stick*.

Who should attend?

Technologists, analysts, scientists and other hands-on users of surface analysis and preparation technologies in the automotive, aerospace, defense, paint, coatings, composite and plastics industries.

APRIL 7 - 9, 2020

Charlotte, North Carolina

For details and tickets:

<https://www.eventbrite.com/e/88112792735>

KRÜSS

PSCT Membership Application and Dues Renewal Form for 2019 - 2020

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:

Art Kasson, Kruss USA
 180 Bradford Road, Bradfordwoods, PA 15015
 412-389-4977 / akasson@krussusa.com

OFFICIAL USE ONLY:

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



Carol Traister

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PSCT OFFICERS AND BOARD OF DIRECTORS 2019-2020

President: Cheryl Roberts

The Sherwin-Williams Company
2001 Tracy Street; Pittsburgh, PA 15233
412-732-3051; cheryl.l.roberts@sherwin.com

Vice-President: Chris Chaousy

Coal Fillers, Inc.
147 Willoughby Run Road
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304-993-1541; cchaousy@coalfillers.com

Secretary: Julia Baur

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Treasurer: Art Kasson

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412-389-4977; akasson@krussusa.com

Director at Large: Barb Anderson

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8 Vreeland Road; Florham Park, NJ 07932
724-468-3125; andersonb@troycorp.com

Past President: Chris Gehly

Matthews International
6515 Penn Ave., Pittsburgh, PA 15206
412-365-2345; cgehly@matw.com

Representative to ACA Society Liaison Committee: Mark DePasquale

Matthews International
6515 Penn Ave., Pittsburgh, PA 15206
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COMMITTEES:

Scholarship Committee: Karen Hollertz

PPG industries; 400 Guys Run Road, Cheswick, PA 15024
412-517-3637; hollertz@ppg.com

Membership: Jeff Scherm

Lanxess Corporation
8 Morgan Road; Burgettstown, PA 15021
412-809-1038; Jeffrey.scherm@lanxess.com

Golf / Fund Raising: Art Kasson

Kruss USA
180 Bradford Road; Bradfordwoods, PA 15015
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**Pittsburgh Society for Coatings Technology
Hiram P. Ball Memorial Scholarship**

**PSCT Science, Technology, Engineering
Mathematics Grant Application – 2020 - 2021**

APPLICATION DEADLINE: MARCH 15, 2020

**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@paintsociety.org. An endorsement e-mail by the Sponsoring PSCT Member(s) must be submitted to psct1927@paintsociety.org.

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, 2020.

Applicant (student): _____

Permanent Address: _____

Phone: _____ Email: _____

PSCT Member Sponsor: _____

Present School/University (2019-20): _____

College/University (2020-21) _____

OFFICIAL CLASS STATUS AS OF DECEMBER 31, 2019:

☐ 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: _____

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, 2020

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.
- 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).
- 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, 2019. (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. Multiple Grants will be awarded to students who have equal highest GPA, rounded to 2 decimals, in qualifying STEM courses. If no applicant meets the requirements, no grant will be made. Must meet all other Hiram P. Ball Memorial Scholarship requirements.

Criteria:

- 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
- 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
- Multiple Grants will be awarded to students who have equal highest GPA in qualifying STEM courses.