



PITTSBURGH SOCIETY FOR COATINGS TECHNOLOGY

OCTOBER 10, 2011

TOPIC: Infrared Spectroscopy: A Sophisticated Match Game
SPEAKER: Chrissy Stewart – KTA Tator, Inc.
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 Debra Longhini by OCTOBER 6, 2011
at longhini@ppg.com or 412.434.2236

A MESSAGE FROM THE PRESIDENT

DEAR PSCT MEMBERS:

Thanks to all of you that attended and / or sponsored our September Golf Outing. As usual Sam Puglisi and Jim Wasik did a great job and even got the weather to cooperate with the first dry day in about a week. The Golf Outing is the primary fundraiser for the PSCT Scholarship fund and preliminary data indicates that we raised about the same amount as the last two years. To be eligible for a scholarship the member parent needs to attend 4 meetings or events prior to the scholarship deadline of March 31 or be an officer or committee chair. There are 6 remaining meetings before the end of March.

At the time I write this, our local membership total is 46, about where we were last year. If you haven't renewed yet or have a friend or coworker that might be interested please get you applications to Terry Scheftic or the ACA online.

At the September meeting Ray Stewart gave an interesting presentation about organic coatings for glass, their properties and test procedures. In the 1990's I spent about 5 years working on this type of coating and the durability properties that Ray presented were essentially considered impossible to obtain. If I only knew then

At the October meeting Chrissy Stewart, a Chemist at KTA Tator, Inc. will give a presentation on coatings analysis and comparison using Fourier transform infrared instrumentation. Chrissy holds a Chemistry degree for Mercyhurst College and has been with KTA Tator since 2006. She joined the PSCT earlier this year and she may have set the record for the shortest time from joining to becoming a speaker. Please join us on October 11th to hear her presentation.

We still have a few openings left for speakers after the first of the year so feel free to volunteer or suggest a speaker.

TIMOTHY KNELL

PSCT President 2011-2012

<http://paintsociety.org/>



SPEAKER'S BIO

CHRISSE 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. Ms. Stewart is a member of SSPC.

ABSTRACT

This presentation on the use of Fourier transform infrared spectroscopy and spectral comparisons using algorithm-based determinations is comprised of an orientation to the basics of instrument use and sample preparation, followed by a review of comparative techniques used in response to questions that arise concerning coating identity or similarities. The chemical molecular bonds associated with each coating type used to generically identify the coating types will be reviewed as background information. Infrared spectroscopy can be used to compare an unknown coating to a suspected match, determine similarities between different batches of the same material, and in many cases to determine if a coating was mixed in the properly specified proportions. Today's lecture will focus on the use of infrared spectroscopy through comparative means.

2011-12 MEETING SCHEDULE

Please mark your calendars for the great meetings ahead of us.

November 14, 2011	December 12, 2011
January 9, 2012	February 13, 2012
March 12, 2012	April 9, 2012
May Outing: (TBA)	

MEMBERSHIP RENEWAL

It is that time of the year for membership renewals. Terry Scheftic is our membership chair. You can contact him to renew your membership at tscheftic@ppg.com or at 724-274-3337. You will also be getting paper copies of the membership renewal form for those who have not renewed their membership yet. If you renewed online please confirm your status with Terry.

PAINT POT:

Robert Lippert of Kop Coat would have won the Paint Pot Drawing had he been present. The Paint Pot is up to \$50 for the October meeting.

ABOUT THE PSCT OFFICERS

JIM WASIK - Society Liaison Committee Representative

Jim began his paint career in 1969 (long before many of you were born) after graduation from the University of Illinois. He has worked for various Architectural Paint companies in Chicago, Los Angeles area, Seattle and Pittsburgh and has been a member of the Paint / Coatings Societies in each city. With the Pittsburgh Society, Jim has held each elective office including President 2002-2003. He was honored for his service to the PSCT as the first PSCT Honorary Member in over 20 years. After serving on the Federation of Societies for Coatings Technology elected Board of Directors, he currently serves as Vice-Chairman of the American Coatings Association Society Liaison Committee. Outside of work and coatings related activities, Jim enjoys cooking (it shows), mushrooms and playing at golf. Anyone who has seen him golf can attest to 'playing at golf'. Jim and Martha Wasik have a daughter living in Seattle.

DEB LONGHINI - PSCT Treasurer

Deb is a Strategic Sourcing Manager for Raw Materials at PPG Industries, Inc. corporate headquarters in downtown Pittsburgh. Deb has been in her current position for three years and prior to this worked in product development for PPG's industrial liquid coatings, protective maintenance coatings, electro-deposition coatings and chemical group research facilities in Texas and Ohio. She holds both a bachelor's and master's degrees in Chemistry from the State University College of New York at Buffalo.

Outside of work: Deb enjoys cooking for friends and family gatherings.

2011 EDUCATIONAL PROGRAMS BY ACA

UPCOMING VIRTUAL LEARNING CONFERENCES SCHEDULE

October 6, 2011, 1:00-2:00pm(ET)

Industrial Surface Coatings: VOC/HAP Regulatory Update & Forecast

Dave Darling, American Coatings Association

October 13, 2011, 1:00-2:00pm(ET)

Defoamer Theory: Application and Selection in Coatings
Charles R. Hegedus, Air Products and Chemicals, Inc.



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2011 PSCT GOLF OUTING

A MESSAGE FROM JIM WASIK

Well the weather held and turned out to be a beautiful day. Over 50 golfers attended and it was 'nip and tuck' until the final hole when Team - '3 Beards and a Golfer' sunk a pressure putt of over 20 feet to win with 10 under par. The 'Golfer', Nick Tamerlano, might have been about 12 under par without the '3 Beards' - Tom Crytzer, John D'Amico and Jim Wasik. All in all, it was a great day. The PSCT raised over \$4,000 dollars for the PSCT Scholarship Fund.

A special thanks to the various sponsors who support the PSCT Golf Outing along with Sam Puglisi who has continually organized the annual event. Without their support and efforts, the PSCT Golf Outing and PSCT Scholarship fund would not be successful. If you get a chance, please thank the sponsors and Sam.

Congratulations to the Winners. No one was a loser. Everyone had a great day and time.



l-r, Jim Wasik, Tom Crytzer, Nick Tamerlano, John D'Amico

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MORE GOLF OUTING PHOTOS



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raymond.stewart@bayerbms.com

ADVERTISEMENT REMINDER

We would like to thanks 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

A new brochure to help promote the PSCT to area businesses and individuals is now ready. Copies are available at PSCT meetings or by contacting Jim Wasik.



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PSCT Membership Application and Dues Renewal Form for 2011-2012

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

Terry Scheftic/PPG Industries, Inc.
151 Colfax Street
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Total Amount Due: \$ _____ Certified by Society Member _____ Date _____

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Hosted by the Arizona, Golden Gate, Los Angeles, & Pacific Northwest Societies for Coatings Technology, the 30th Biennial WCS Symposium and Show is being held October 23-26, 2011 at the Mirage Hotel & Casino in Las Vegas, Nevada.

The WCS Symposium and Show is the major coatings event in the west this year and features an extensive technical program covering a wide spectrum of topics along the following lines.

- New Formulations & Coatings
- Management of Technologies in the Coatings Industry
- New Environmental & Manufacturing Developments
- New Trends in the Coatings Industry
- Global Economic Outlooks for the Coatings Industry

Find a complete list of the presentations at

www.wcsshow.com

Complimenting this year's Technical Program is a Trade Show representing the industry's foremost manufacturers, distributors and suppliers of raw materials, equipment, and innovative technologies.

Phone: 714-974-4511

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WCS Exhibitors as of 8/15/2011:

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Pittsburgh Society for Coatings Technology
2011-2012 Hiram P. Ball Memorial Scholarship Application
APPLICATION DEADLINE: MARCH 31, 2012

Applicant: _____

Address: _____

Phone: _____ Fax: _____

Email: _____

Present School/University _____

Class Status: _____

(GRADUATING HIGH SCHOOL SENIOR, COLLEGE: FRESHMAN, SOPHOMORE, JUNIOR, SENIOR)

College / University (2010-2011): _____ Grade Point Average: _____

(ATTACH COPY OF TRANSCRIPT)

Major Course of Study: _____

PSCT Sponsoring Member: _____

PSCT Member Company: _____

ALL APPLICANTS: Please complete a short statement explaining how the course of study you are following will allow you to reach your career goals. It should also include comments regarding the student's participation in on academic areas such as community service, etc. (extra sheets may be attached). **NEW APPLICANTS** are requested to submit character references from teachers, clergy, employers, professionals, etc. who are familiar with the student's goals and aspirations.

Signature: _____ Date: _____

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

REQUIREMENTS

- The PSCT Board of Directors will determine 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.
- Scholarship awards are to support undergraduate studies of full time students only en-rolled in an accredited college or university seeking an associate or bachelor degree.
- Scholarships may be awarded to any one given applicant a maximum of four times.
- Applicant must be the child of an actively participating PSCT member. An actively participating member is current with dues. The member must also attend at least four (4) PSCT meetings a year or serve on a PSCT committee (e.g.: Fund Raising, Newsletter, Membership, Education, Program, etc)
- Scholarships are limited to one award per applicant per member per year.
- Applicants must submit a Hiram P. Ball Memorial Scholarship Application which in-clude: a short essay explaining how the course of study will allow the student to reach their career goals; current GPA; name of sponsoring PSCT member; name of univer-sity or college that they are attending; and two character references. Students cur-rently receiving scholarships will not be required to submit references, however they must submit essays regarding their educational progress.
- Applicants must maintain a 2.5 (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 pur-sue scientific, engineering or math-ematical programs that lead to employment in the Coat-ings Industry.
- CHARACTER REFERENCES (examples of those who know the student and their goals)
 - Teachers
 - Clergy
 - Employers
 - Neighbors/Friends
 - Professionals (doctors, business people)

Revised: 8/2010