



NEXT MEETING!

Monday, February 10th, 2014

"Greek Islands"

300 East 22nd St, Lombard, IL 60148

5:30 PM Registration/Cocktails

6:00 PM Speakers

6:45 PM Dinner & Meeting

ATTENTION CSCT MEMBERS

Beginning with our February meeting, each person will receive an **extra raffle ticket** per meeting they attend!

Those tickets will then be added to the raffle for our April meeting. The Grand Raffle Prize for the April meeting will be a **\$500 gift card**. All members will need to have their membership paid in full prior to the drawing. Maximum of 3 extra tickets total. Winner must be present. HINT: *The more meetings you attend, the better your chance to win the \$500 gift card!*

FEBRUARY Meeting

Greetings Members of the Chicago Society for Coatings Technology! Our next meeting will be held on Monday, February 10th at the Greek Islands in Lombard, IL. Once again, we will offer an outstanding speaker along with raffle prizes for our members!!

The topic of our next meeting will be:

"Silicone Technology for the Next Challenges in Coatings"

By

Dr. Daniel Calimente,

Technical Marketing Manager/SPP Business Team

Wacker Chemical Corporation

TECHNICAL ABSTRACT:

Silicones are versatile polymers which are playing an increasing role in all forms of coatings such as solvent, waterborne and powder coatings. In order to understand the role of silicones, it is helpful for chemists to be aware of the structural characteristics of these polymers. This presentation will be describing the key concepts surrounding the role that silicone polymers bring to the formulating chemist and offer possible solutions for a series of practical applications. A series of applications need ambient temperature cure, and with the help of silicone chemistry performance, could be achieved for some of the most demanding end uses.

SPEAKER BIO:

Dr. Daniel Calimente is currently the Technical Manager for the Industrial Coatings and Plastics division of Wacker Chemical Corporation. After receiving his Ph.D., he was a Postdoctoral Fellow at Wayne State University. Prior to Wacker, he was with BASF Corporation and PPG Industries.

UPCOMING TECHNICAL MEETINGS

2014

<p>Monday, January 13th Executive Board Meeting Greek Islands, Lombard, IL</p>	<p>Monday, March 10th "Corrosion Control" Halox & Purdue/Calumet Faculty U. of Purdue-Calumet, Hammond, IN</p>
<p>Monday, February 10th Wacker Chemical Corp. - Industrial Polymers Div. "Silicone Polymers" Greek Islands, Lombard, IL</p>	<p>Monday, April 14th "Dispersants" Lubrizon/Brandt Technologies Greek Islands, Lombard, IL</p>

UPCOMING INDUSTRY EVENTS

2014

<p>American Coatings Show April 8 - 10 Georgia World Congress Center Atlanta, GA</p>	<p>Annual Golf Outing Monday, July 28 St. Andrews Golf Course West Chicago, IL</p>
<p>RADTECH May 12 - 14 Hyatt Regency - O'Hare Rosemont, IL</p>	<p>Coatings Trends & Technologies September 11 - 12 Lincolnshire Marriot Lincolnshire, IL</p>
<p>Past Presidents Night/Awards Banquet May 22 Maggiano's Oak Brook, IL</p>	

***What were you doing
25 years ago.....50 years ago?***

If you were a member of any Society for Coatings Technology
25 or 50 years ago and are now a member of the CSCT you may
qualify for the

CSCT 25/50 Year Club

However, we need to know who you are.

Contact **Evans Angelos**

evansanelos@comcast.net



Chicago Society *for* Coatings Technology

CSCT Merit Scholarship

This scholarship is intended to foster a pursuit of a college education in the physical sciences by the children or grandchildren of current members of the CSCT.

REQUIREMENTS AND INSTRUCTIONS FOR CANDIDATES

1. **Complete** the application attached to this instruction sheet along with the items below.
2. **One letter of recommendation** is required from a teacher, principal, guidance counselor, or department head or from someone involved with your extra curricular activities, job, or community service.
3. **A copy of your most recent high school transcripts** that includes ACT and /or SAT score if the candidate is a high school senior. Undergraduates must include the most current college transcript.
4. **An essay titled "The need for a college education"** including how your selected area major can be a benefit in the future. Essay to be limited to one typed page.
5. Applicant **must be the son or daughter, or grandson or granddaughter, of a CSCT member** and said member is a current member in good standing for of a minimum of two years.
6. **Curricula** pursued by the applicant must **include one of the physical sciences**, examples; Mathematics, Chemistry, Computer Science, Physics, & Engineering.
7. The candidate be a **full time student**, attending (or a high school senior registered to) any accredited college or university leading to a degree in one or more of the above curricula.
8. **The grant is for one year** and is not renewable or transferable.
9. Award is **paid directly to the college or university** for application against tuition and fees.

COMPLETED APPLICATION, TRANSCRIPTS AND LETTER OF RECOMMENDATION MUST BE SUBMITTED TO THE CSCT EDUCATION CHAIR BY **MARCH 15, 2014.**

revision date: 11/26/13

For more information please visit our website at www.chicagocoatings.org and remember.....deadline for applications is **March 15, 2014!**

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"The program provided me with a solid foundation for chemistry. It also introduced me to the paint and coatings industry terminology. This directly led to my desire to join the industry and helped my interview process."

— Daniel Woods, Purdue Calumet alumnus
and Sherwin Williams employee

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POLYMERS & COATINGS SCIENCE

Masters Degree Program at DePaul University

Modern coatings, a \$10 billion industry in the United States, protect and beautify our surroundings. The need for improved products, concern for their effects on the environment, and the need to conserve petroleum resources present new challenges to the coatings industry as well as new opportunities for chemists trained in polymers and coatings science.

DePaul University is one of only four institutions in the United States that offers a graduate program of study in the coatings field. The program began in 1985 and has six to eight graduates each year.

PROGRAM OBJECTIVES

The main objectives of the program are twofold: To satisfy the demand for technical professionals in the coatings industry at an advanced level, and to provide an opportunity for Bachelor of Science level coatings chemists in the Chicago area to enhance their knowledge and skill for improved levels of performance and advancement in salary and rank.

EXPERT FACULTY

The Department of Chemistry at DePaul University has eleven full-time faculty members and has been offering courses in polymer chemistry since 1971. Chemists from local industries teach specialized coatings courses.

PROFESSIONAL ENDORSEMENT

The Coatings Technology Program at DePaul University has received the endorsement and active support of the Chicago Society for Coatings Technology and the American Coatings Association.

ADMISSION REQUIREMENTS

The program requires graduate admission to DePaul University. Candidates should have earned the Bachelor of Science degree in chemistry or its equivalent. The twelve-course curriculum (48 quarter hours) requires about nine quarters of study. Required courses include five advanced courses in Inorganic, Organic, and Physical Chemistry; three courses in Polymer Chemistry (Synthesis, Characterization, and Physical Chemistry), and 2 courses in Coatings Technology.

All graduate courses are taught in the evening, with labs on Saturday morning. Students may also enroll in Coatings and Polymer courses as non-degree seeking students to enhance their knowledge.

CONTACT INFORMATION

Dr. Gregory B. Kharas
DePaul University – Department of Chemistry,
1110 West Belden Avenue, Chicago, IL 60614
773-325-7367 (voice) 773-325-7421(fax)
email: gkharas@depaul.edu
<http://www.depaul.edu/>

GRADUATION REQUIREMENTS

Courses: a minimum of 48 quarter hours (q.hrs.), including:

CHE 422. Inorganic Structure and Reactivity
CHE 450. Adv. Mechanistic Organic Chemistry
CHE 452. Adv. Synthetic Organic Chemistry
CHE 430. Polymer Synthesis
CHE 431. Polym. Synthesis Laboratory (2 q.hrs.)
CHE 432. Physical Chemistry of Polymers
CHE 434. Polym. Characterization
CHE 435. Polym. Characterization Lab. (2 q.hrs.)
CHE 436. Polymer Technology
CHE 438. Material Science
CHE 460. Coatings Technology I
CHE 462. Coatings Technology II

All courses above are 4 quarter hours except lab courses (2 q.hrs.)

And any two of the following special topics courses (2 for a total of 4 q.hrs.)

CHE 480. Sp.Topics in Analytical Chemistry
CHE 484. Sp.Topics in Inorganic Chemistry
CHE 486. Special Topics in Organic Chemistry
CHE 488. Special Topics in Physical Chemistry

The specific schedule of courses taken will depend upon when the program is started, when the courses are offered, and the student's personal preference regarding sequencing and course loads.

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