



Chicago Society *for* Coatings Technology

November 2015

Volume 19-2

NOVEMBER DINNER MEETING

Our next meeting will be held on Monday, November 9th at the Greek Islands in Lombard, IL. Registration will begin at 5:30 and the speaker will begin at 6:00 followed by dinner.

Reservations may be made on our website at

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

Once again, the CSCT will offer an outstanding speaker and continue a CSCT tradition of raffling off several valuable prizes for our members!!

The topic of November's meeting will be:

**“Using Waterborne Fluoropolymer Emulsions for
Enhanced Exterior Durability”**

Christine Fortener

Senior Technical Account Coordinator for Arkema Coating Resins



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TECHNICAL ABSTRACT:

In order to maintain a coating's aesthetic appeal ("looking new") and to minimize the need for re-painting, dirt pickup resistance (DPR) is a critical property for exterior wall paints and roof coatings. For roof coating systems, improved DPR also translates to energy savings because the coating remains white for a longer period of time and provides high solar reflectance and emissivity.

Fluoropolymers have been employed to create premium weatherable coatings due to their superior water repellency and dirt pickup resistance. This presentation will demonstrate utilities and performance benefits of fluoropolymer emulsions for exterior architectural coatings. Waterborne fluoropolymer emulsions can be used as part of a system solution; for example, as a high performance top coat over conventional elastomeric base coat or as a modifier to enhance the exterior durability of pure acrylic and VAE latex polymers.

Speaker Bio:

Christine Fortener

Senior Technical Account Coordinator for Arkema Coating Resins

Christine Fortener is a Senior Technical Account Coordinator for Arkema Coating Resins with 20 years' experience in the coatings industry. She started her career with UCAR Emulsion Systems specializing in latex paint chemistry. Chris spent 10 years in research and development for the Ace Paint Division. Prior to joining Arkema, she had a technical position with Dow Coating Solutions where she represented many business units that supply the coatings industry. In her current role, Chris supports water and solvent borne acrylics, alkyds, additives and the Coatex rheology modifier and dispersant product lines.



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Future Meetings

CSCT/CPCA Holiday Party, Venuti's Addison IL Thursday,
December 3rd, 2015

CSCT Technical Meeting, Monday, January 11th, 2016

CSCT Technical Meeting, Monday, February 8th, 2016

CSCT Technical Meeting, Monday, March 14th, 2016

American Coating Show, April 12-14, 2016

CSCT Past President's and Awards Night ,
Thursday, May 19th, 2016

CSCT Golf Outing, July 25th, 2016



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ANTI-TRUST STATEMENT from the CSCT Bylaws

AI-VII ANTI-TRUST STATEMENT

In order to protect your personal and company interest while attending a CSCT function our policy of compliance with all antitrust laws are strictly followed. Penalties for violation of antitrust laws include severe fines and imprisonment, so the CSCT urges you to these guidelines while attending a CSCT function.

- Do Not discuss prices (including price increases and pricing methods), discounts, term of sale, and the refusal to deal with another company or profit margins with any representative of any associative company.
- Do Not make any announcements about your prices or those of competitors.
- Do Not talk about the plans of individual companies (yours/competitors) regarding specific geographic or product markets or regarding particular customers.

For each meeting an agenda and minutes are prepared, both of which are reviewed by the CSCT Executive Board before they are read at the meeting. This helps to ensure that the Anti-Trust laws are observed.

If you have any questions please contact a CSCT board member*

***Current CSCT Board Members contact information may be found on the CSCT website**

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



Chicago Society *for* *Coatings Technology*

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, please contact **Evans Angelos**

evansangelos@comcast.net or FAX: 630-655-2729



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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

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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.