



UPCOMING EVENTS

January 8, 2020

LASCT Dinner Meeting
Plan for the Future
Geezers Restaurant
12120 Telegraph Road
Santa Fe Springs, CA

February 12, 2020

Sweetheart Event

March 11, 2020

LASCT Dinner Meeting
Past Presidents' Night
Holiday Inn
Buena Park, CA

**JANUARY DINNER
MEETING SPONSOR**



JANUARY BULLETIN

Plan for the Future

January 8, 2020

ADVANCED WATERBORNE TECHNOLOGY ADDITIVES

SPEAKER: Pamela Levesque
Technical Sales Specialist
King Industries



As the coatings industry faces growing regulatory concerns, many markets including aerospace, wood, and automotive have begun to formulate waterborne coatings. As with solvent borne coatings, these formulations face some similar problems with settling, pigment orientation, and cratering.

This presentation will focus on additive technologies to help solve these problems. The patented hybrid polyamide technology is excellent for anti-settling without viscosity build. Novel polyester phosphate dispersants are exceptional when used with metallic and pearlescent pigments.

Lastly, waterborne surface tension modifiers have eliminated difficult flow and leveling problems. Together, these tools can help make formulating waterborne coatings that much easier.

(cont'd on page 2)

MEETING DETAILS: **Please note the alternate dinner meeting location**

LOCATION: GEEZERS RESTAURANT, 12120 Telegraph Road, Santa Fe Springs, CA

TIME: Social Hour 5:30 pm
Speaker 6:00 pm
Dinner 7:00 pm

PRICE: \$ 25.00 members w/reservation by 12:00 p.m. Friday, Jan. 3
\$ 35.00 non-members w/reservation by 12:00 p.m. Friday, Jan. 3
\$ 35.00 members w/o reservation or reservation after 12:00 p.m. Friday, Jan. 3
\$ 45.00 non-members w/o reservation or reservation after 12:00 p.m. Friday, Jan. 3

RSVP: lasct@earthlink.net or call (714) 998-1891

MONTHLY DRAWINGS:

Door Prize Restaurant Gift Card
Attendance \$ 360.00

December Meeting Winners:

Door Prize Gilbert Zubiata, *Behr Process*
Best Question Bill Dances, *Lintech International*
Attendance \$ 340.00 Robert McNeill, *Retired (Not Present)*

**A Special "THANK YOU" to Dowd and Guild Inc. for
providing wine at our December meeting!**

SPEAKER AND TOPIC

(cont'd from page 1)

Speaker Bio:

Pamela Levesque graduated from University of Connecticut in 2011 with a BS in Chemistry, and began working for King Industries soon after graduation. After a few years working in the Coatings Technical Service lab with a focus on rheology modifiers, she went back to get her MBA from Sacred Heart University.

After 7 years of working on and managing all Disparlon rheology projects, she transitioned into sales.

In 2017, she became a Technical Sales Specialist for Coatings Additives at King Industries. She has been with King Industries for 9 years and currently resides in Norwalk, CT.

PLEASE NOTE THE ALTERNATE LOCATION FOR THE JANUARY DINNER MEETING

The LASCT January dinner meeting location will be at a different venue. The meeting will be held at:

**Geezers Restaurant
12120 Telegraph Road
Santa Fe Springs, CA 90670**

PROPOSED NEW MEMBERS

Local Membership

Adam Chavez, *Dunn-Edwards*
Kelly Chen, *BYK USA*
Jeff Locke, *Dunn-Edwards*
Gary Wood, *Lucas Group*

LASCT BOARD OF DIRECTORS

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CAL POLY SLO POLYMERS & COATINGS WINTER SHORT COURSE

Cal Poly's winter short course on polymers and coatings will be held February 3-7, 2020. The short course brings together a mix of academic and industrial experts in the field to guarantee both these aspects are addressed. The one-week course will cover many aspects of coating technology with emphasis on liquid coatings. Other coatings technologies will be discussed in order to compare and contrast with traditional liquid coatings. Enclosed please find the Winter Course Brochure.

GOOD FELLOWSHIP NEWS

To report any new "happenings", please contact the Derek Marin, Good Fellowship Chair at dmarin@vistapaint.com or the LASCT Office at (714) 998-1891, or by email at lasct@earthlink.net.

2020-2021 LASCT SCHOLARSHIPS

Students interested in applying for an LASCT Scholarship for 2020-2021 are encouraged to submit an application. For questions, please contact Eric Vrabel, Scholarship Committee Chair, at Michelman, Inc. by email at ericvrabel@michelman.com. Please copy lasct@earthlink.net. The Merit Scholarship Application and program information is enclosed.

LASCT IS NOW ON FACEBOOK!

Search for Los Angeles Society of Coatings Technology page on Facebook. Check it out to view upcoming social events and historical photos. If you'd like to add something to the page, feel free to contact your Board of Directors.

LASCT IS NOW ON LinkedIn!

Los Angeles Society of Coatings Technology now has a page on LinkedIn. Check it out to view upcoming events and information regarding the coatings industry.

EMPLOYMENT

Companies in the coatings industry are hiring! Employment opportunities are posted on the LASCT website at lasct.org. Postings are updated regularly.

MARK YOUR CALENDARS!

Please mark your calendars for the March Meeting which will be held on Wednesday, March 11, 2020. As always, meetings are held on the second Wednesday of each month. See you there!

Trushita Patel
2019-2020 LASCT Secretary

Visit www.lasct.org for more information regarding upcoming meetings, events and job postings.

THE LOS ANGELES SOCIETY FOR COATINGS TECHNOLOGY / 
www.lasct.org

SCHOLARSHIP PROGRAM

The Los Angeles Society for Coatings Technology has for several years awarded scholarships to encourage the academic training of people with the expressed hope that the recipients seriously consider working in the Southern California Coatings Industry.

1. Scholarship candidates residing within the boundaries of the LASCT will be given preference over those living outside stated boundaries, as defined in Section 25 of the LASCT Constitution and ByLaws.
2. The applicant must be planning to pursue a course of study leading to an AA, BA, BS, MS, or PhD in physical science, engineering, or mathematics. Students majoring in some aspect of coatings technology will have preference over those majoring in other phases of science, engineering, or mathematics. Provided funds are available, applicants pursuing a degree in other areas related to the coatings industry will also be considered.
3. Merit evaluation will be based upon the candidate's college transcript, or upon college board entrance examination (SAT or ACT) results if the applicant has not previously attended college.
4. Applicants meeting the above qualifications are eligible for the consideration. Scholarships will be awarded in the order of priority listed below:
 - a. Any person currently employed in the coatings industry and who is a member, or could qualify as a member, of the LASCT.
 - b. Children of members, or of persons who could qualify as members, of the LASCT.
 - c. Other relatives of members, or of persons who could qualify as members, of the LASCT.
 - d. Persons not now in the Southern California area coatings industry or related to such persons, but who would like to train for possible future employment in the coatings industry.
5. Scholarships will be awarded on a one year basis.
6. Renewal of scholarships will be contingent upon continued interest in pursuing a degree and maintaining a 3.0 grade point average (A=4.0), and continued availability of LASCT scholarship funds.
7. Evaluation of applications for scholarships and scholarship renewals will be made by the LASCT Scholarship Committee. Scholarship Committee recommendations must be approved by the LASCT Board of Directors. All decisions of the Board of Directors of the LASCT in any matter connected with the scholarship competition are final.
8. Letters of application for scholarship or scholarship renewal will be solicited in November of each year. **Scholarship applications for the 2020-2021 academic year must be received by the Scholarship Committee prior to February 28, 2020.** Applications are to include the required transcripts and college entrance board examination results where applicable along with any other pertinent information. All awards will be announced at the LASCT meeting in May or June.

Please submit your completed Scholarship Application package (including Merit Scholarship Application) to:

Eric Vrabel
Michelman, Inc.
48067 Stapleton Avenue
Macomb, MI 48042
Phone: (513) 410-2804
ericvrabel@michelman.com
Please cc: lasct@earthlink.net



Los Angeles Society for Coatings Technology
Merit Scholarship Application 2020-2021

New Renewal Date _____

Applicant Name _____

Address _____

City _____ State _____ Zip _____

Telephone (____) _____ Email _____

Have you ever been employed in the Coatings Industry? Yes No

If "Yes", please complete the following information:

Company _____

Address _____

City _____ State _____ Zip _____

Telephone (____) _____ Job Title _____

Date(s) Employed _____ Supervisor _____

Are you related to someone in the Coatings Industry? Yes No

If "Yes", please complete the following information:

Relative's Name _____ Relationship _____

Company _____

Address _____

City _____ State _____ Zip _____

Telephone (____) _____ Job Title _____

Are you a member of LASCT? Yes No

Is your relative a member of the LASCT? Yes No

Course of study leading to: AA BA BS MS Ph.D

MAJOR Subject _____

If this is a renewal application, is this a change in Majors? Yes No

Current School _____ Grade Level _____

Current Student ID Number _____ School Attending in September _____

Alternate Choice School(s) _____

Class Level in September

___ Undergraduate: Freshman Sophomore Junior Senior

___ Graduate: First Year Second Year Third Year

Applicant's Signature _____ Date: _____

Please fill out a separate form for each application.

- Merit evaluation will be based upon the applicant's college transcript for continuing college students.
- Incoming freshmen will be evaluated based upon College Board entrance examinations (SAT or ACT) and high school transcripts.
- Please have certified copies of these records sent as soon as possible to the Scholarship Committee.
- Applications, essays, transcripts, and College Board entrance examination results (as applicable) must be received by the date published in the LASCT Yearbook and Directory for consideration by the LASCT Scholarship Committee.
- Evaluation of applications for scholarships and scholarship renewals will be made by the LASCT Scholarship Committee based on the criteria published in the LASCT Yearbook and Directory.
- Scholarship Committee recommendations must be approved by the LASCT Board of Directors. All decisions of the LASCT Board of Directors in any matters concerning the Scholarship competition are final.



Polymers and Coatings Program at Cal Poly

California Polytechnic State University, San Luis Obispo, is one of the 23 campuses of the California State University system. Cal Poly enrolls over 20,000 students and is nationally recognized for the excellence of its programs in architecture, agriculture, engineering, and the sciences. The Polymers and Coatings program, an integral part of the Chemistry and Biochemistry Department of the College of Science and Mathematics, offers both an Undergraduate Concentration and a Masters degree in Polymers and Coatings Science.

Short Course Overview

Cal Poly's winter short course on polymers and coatings brings together academic and industrial experts in the field. The one-week course covers many aspects of coating technology with emphasis on liquid coatings, both waterborne and solvent-based. Participants benefit from discussions of VOC and air quality aspects of coatings by experts in both industry and government regulatory agencies. Participants are expected to have had some exposure to the coatings field along with working knowledge in chemistry and other sciences. The course will convene at 8:00 AM on Monday and end at 12:00 noon on Friday.

Travel and Accommodations

San Luis Obispo is in California's Central Coast region, 200 miles north of Los Angeles and 230 miles south of San Francisco. Participants who wish to drive from the Los Angeles or San Francisco areas may take Route 101. All major airlines offer services to San Luis Obispo Airport with connecting flights from Dallas-Fort Worth, Denver, Las Vegas, Los Angeles, Phoenix, San Francisco, and Seattle. The San Luis Obispo Chamber of Commerce website (www.visitslo.com) contains information for local hotels. Lodging is not included in the program fee.

Registration and Fees

Course registration fee is \$1590 if received on or before January 3, 2020 and \$1690 if received on or after January 4, 2020. Participants must register online. Course registration fee covers hard and soft copies of handouts, refreshments, and luncheons for Monday through Thursday.

For more information, contact Dr. Ray Fernando at 805-756-2395 or visit www.wctc.calpoly.edu

TENTATIVE AGENDA

Monday, Feb. 3

- Coating Industry & Formulation Overview
- Resin Technologies (Overview, Solvent, 2K)
- Pigments and Fillers
- Resin Technologies (Waterborne, Opaque Polymers)

Tuesday, Feb. 4

- Film and Formation Curing
- Characterization (MW, Spectroscopy, etc.)
- Advanced Polymerization Methods for Coatings
- Color and Appearance
- Surface Tension and Surfactants

Wednesday, Feb. 5

- Modern Methods of Surface Analysis
- Coating Rheology Fundamentals
- Tour of Facilities

Thursday, Feb. 6

- Polyurethane and UV/Radiation Cure Technology
- Additives and Defects
- Coating Rheology-Applications
- Formulating for the Environment
- VOC/Air Quality-Regulations, Analysis and Measurement

Friday, Feb. 7

- VOC Compliant Resin and Colorant Technologies
- Specialty Filters
- Nanotechnology Applications in Coatings
- Wrap Up and Evaluations

SHORT COURSE INSTRUCTORS

Dennis Butcher (Technical Marketing Manager, Lubrizol Corporation) Dennis Butcher (Regional Technical Marketing Manager, Lubrizol Corporation) received his B.S. in Chemistry from State University College of New York at Fredonia in 1982. In his 29 years at Lubrizol he has held several positions prior to current role including Global Market Manager, R&D Manager, R&D Associate, and Account Manager. In these roles he has provided support in graphic arts, adhesives, paper, building materials, paints and coatings, color dispersions, and plastic additives over the years. Dennis came to Lubrizol after working in the ink industry for 7 years developing aqueous flexographic printing inks.

Dave Darling (Vice President of Safety, Health and Environmental Affairs, American Coatings Association)

During his 22 years at ACA, David has worked on coatings manufacturing environmental compliance issues, industrial surface coating and architectural coating VOC regulations and post-consumer paint issues. David has a MS and BS in environmental engineering from Syracuse University and is a professional environmental engineer.

Gary Dombrowski (Research Fellow, Dow Chemical Company) received his Ph.D. in chemistry from the University of Minnesota in the area of physical organic chemistry. He worked as a postdoctoral research associate at the University of Rochester's NSF Center for Photo-induced Charge Transfer. In 2000, he became a Synthesis Group Leader within Architectural and Functional Coatings, supporting the development of binders for the decorative paint market.

Mike Diebold (Chemours Company) is an Inorganic Chemist with a B.S. degree from the University of Illinois and a Ph.D. from Texas A&M University. After a one-year postdoctoral fellowship in Cambridge University, Dr. Diebold joined DuPont in 1988 as a research chemist in the titanium dioxide group. In his current position as Research Fellow he is involved in product support, new product and process developments, and the study of fundamental properties of TiO₂ and light scattering in coatings. He has written numerous papers in coatings journals, holds 10 patents on TiO₂ pigment technology and has recently published a book on the application of light scattering to coatings

Ray Fernando (Professor, California Polytechnic State University) received his Ph.D. in 1986 from North Dakota State University in Polymers and Coatings, emphasizing studies in the coating rheology field. He has fifteen years of industrial experience in coatings, with extensive knowledge in waterborne technology. Since 2002 he has been the occupant of Arthur C. Edwards Endowed Chair in the Department of Chemistry and Biochemistry and the Director of Kenneth N Edwards Western Coatings Technology Center at Cal Poly. He spent 3 years in R&D at Air Products and Chemicals and 12 years at Armstrong World Industries.

Michelle Gabriel-Caldwell (Applied Technology Specialist, BYK Additives Company) has been with BYK USA Business Line Paint for over 18 years, and is currently the Senior Technical Representative for the Atlantic Region. In addition to those duties, she is the North American Applied Technology Specialist for Wetting & Dispersing Additives for all of BYK's Business Lines. She was formerly the BYK USA End Use Specialist for Powder Coatings for 11 years. Michelle began her coatings career at Benjamin Moore as an analytical chemist in 1992; after 3 years she advanced to product development chemist where she formulated various specialty solvent borne coatings. Michelle holds degrees in Chemical Engineering and Chemistry.

Dane Jones (Emeritus Professor, California Polytechnic State University) received his Ph.D. in Physical Chemistry from Stanford University in 1974. He has held research and teaching positions at Uppsala University, the University of Utah and The University of

California, San Diego. He joined Cal Poly faculty in 1976. He was instrumental in developing the Polymers and Coatings program at Cal Poly and was director of the program until 2002. His research interests include spectroscopic analysis of polymers and coatings, and VOC analysis. He is the recipient of Cal Poly's Distinguished Teacher Award and Los Angeles Coating Society's Distinguished Service Award.

Patrick Lutz (Technical Sales, EPS Color Corp) received a B.A. and a Ph.D. from Syracuse University in 1964 and 1970, respectively. He held many Technical Service, Market Research and Sales positions with DuPont Pigments and Chemicals Groups over a 25-year span. In 1993, he joined Dunn-Edwards Corporation as the Slurry Project Manager and was the Director of Labs and interfaced with extensively with regulatory agencies dealing with VOC discussions. In 2002, Pat joined EPS as the west coast Technical Sales Representative focusing on architectural resins and colorants. In this position, he has maintained an involvement in VOC discussions with regulators throughout North America.

Jim Macdonald (End Use Manager, BYK-Gardner USA) is Business Line Manager – Industrial paint and coatings applications.

Scott Van Remortel (Manager, Technology and Innovation (Sibelco North America) received a B.S. degree in Polymers and Coatings Technology from Eastern Michigan University in 1992. Scott is an active member of the Industrial Advisory Council for the Polymers and Coatings Program at Cal Poly, San Luis Obispo. In addition, he is a Past President and is the current technical chair of the Piedmont Society for Coatings Technology.

Ron Romer (Senior Manager Research and Technology, Evonik Company) Ronald Romer holds a BS degree in Chemistry from Delaware Valley University, plus multiple certifications in Statistical Data Analysis and Quality Statistics, including ASQ CSSBB. He has 37 years of experience in coatings science, specializing in dispersion science, color/opacity and extensive field application testing of industrial coatings. Ron formulated industrial and architectural coatings for both OEM and consumer markets with companies including Sherwin Williams, Rohm and Haas, Millennium TiO₂ and PPG.

Erik Sapper (Assistant Professor, California Polytechnic State University) received his PhD in Coatings and Polymeric Materials from North Dakota State University in 2013. He has a BS in Chemistry (2006) and MS in Polymers and Coatings Science (2007) from California Polytechnic State University. Since 2010 he has worked in the Chemical Technology division of Boeing Research & Technology, taking on various principal investigator and project manager roles. Prior to joining Cal Poly in 2016, Dr. Sapper was located in St. Louis, Missouri, where he led teams at multiple sites working on polymer synthesis, coatings formulation, service lifetime prediction, and test method development.

Todd Williams (Corrosion Manager, Covestro Company) Dr. Todd Williams has been responsible for technical activities in the protective and marine market at Covestro LLC since 2012. In 2009, Williams joined Covestro developing UV-curable coating formulations after leaving Segetis where he synthesized renewable polyols. He is a NACE-certified Coating Inspector Level 2 and holds a Ph.D. from The University of Southern Mississippi where he wrote his thesis on crosslinking latex coatings.

Shanju Zhang (Associate Professor, California Polytechnic State University) received his Ph. D. in Polymer Chemistry and Physics from Jilin University, China in 1998. Prior to joining the Cal Poly faculty in 2011, he held research positions at Yale University, Georgia Tech, Cambridge University, Technical University of Berlin and Chinese Academy of Sciences. His research interests include synthesis, structural analysis and processing of polymers, liquid crystals and nanomaterials. He is the recipient of the Alexander von Humboldt Fellowship.