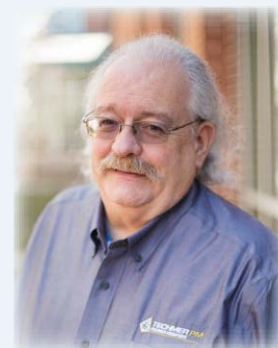


Chairman's Message

Dear SPE Color and Appearance Division Members,

ANTEC® 2019 is just around the corner and we are celebrating SPE's 75th anniversary (57 years for our Division). We've certainly seen a lot of change in our industry over the years! In the beginning many compounding operations were associated with petrochemical companies who produced the polymers and most colorants were produced in Western Europe or North America. Many dominant names from the past have faded due to the many acquisitions, consolidations, and divestitures over SPE's lifetime. I know of several people who have never changed their work address but have business cards for 5 different company names. Speaking of names, new entities struggle to come up with new monikers for that all important web domain and the word chemical is never part of that name today.



New colorant introductions have slowed to a crawl in the 21st century due to registration burdens and regulatory limitations as more and more colorants fall victim to the latest list of substances often published by Brand Holders and NGO's but all considered it's still fun matchin' colors every day, isn't it? Sounds like there might be a Color Eye Blind song in there doesn't it?

Of course, there have been plenty of changes in everyday life over the last 75 years too. Back in the 60's a cash machine was probably your Dad and not the ATM. A Blackberry was a berry and then it was a smart phone, but I guess it's just a berry again. Apple was just a fruit before it was one of today's tech giants and if you go way back, it is said that Adam and Eve were the first people not to read the apple terms and conditions agreement.

Next, I'd like to recognize a couple folks on our board who have achieved notoriety recently. First Scott Heitzman of Sun Chemical has achieved Honored Service Member status. New HSMs are limited to a very few numbers of inductees per year and there is a percentage cap of living members. Our current Councilor, Bruce Mulholland of Celanese has been elected to a VP position on the Executive board. Congratulations to you both and thanks for your many hours in service to our division and thanks for your employer's support also.

See you at ANTEC® and enjoy the rest of the issue.

Best Regards,

Brian West
Chairman



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Hello everyone and I hope everyone has had good start to 2019. As Winter hopefully releases its grip and relinquishes to Spring soon in your area there are several items to look forward to. The start of 2019 will bring us ANTEC® in Detroit, MI, celebrating 75 years of SPE. Conference is March 18th to the 21st at the Detroit Marriott Renaissance. This

conference is packed full of technical presentations and keynote speakers for all the divisions of SPE. Color and Appearance (CAD) will be conducting its proceedings on Monday the 18th. See the CAD Technical Program schedule in this issue. It's less than a week away so if you haven't registered yet, conference sponsored rooms are going fast, and choices are limited.

2019 also brings CAD RETEC® in Cleveland, OH in September. This conference's strength is by delivering a strong technical program every year and this year will be no different. Please help keep this the best technical conference by doing your part and present a paper on subject matter that is crucial to you and your business. Information can be found in this Newsletter on how to let us know you are interested in supplying a technical paper for CAD RETEC®. Deadlines are approaching quickly so don't delay.

As of this publishing, the deadline to vote for Board of Directors has passed and you can see in this issue who you elected to Board of Directors to the class of 2019 to 2022. BOD terms start July, 1st 2019 to June 30th 2022.

Please look through the sponsorship ads in this issue of the CAD Newsletter. Click on the ads to be taken to the respective website and learn as much as you can about the industry you are part of, Color and Appearance of plastics.

In this issue, you will find the Councilor's report that will let you know what is happening within all of SPE. You will find information about the Color and Appearance Division Scholarship program as well as where to find 2018 CAD RETEC® conference proceedings and Board of Directors meetings minutes. You can find out who is on the Board of Directors and their contact information on the last page of this Newsletter.

I hope you enjoy reading through the Winter Newsletter and as always, if there is something missing or you would like to see in the Newsletter, do not hesitate to let us know and we will see what we can do.

Mark Tyler

Color and Appearance Newsletter Editor
tylerm@xxxsilberline.com

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Congratulations to the 2019 Board of Directors for the 2018-2021 Term!

Term will begin July 1st, 2019



Incumbents:

Scott Aumann – EMD Chemicals
Chuck DePew – Holland Colors
Jim Figaniak - Americhem
Scott Heitzman – Sun Chemical
George Ianuzzi – Sandream Impact
Betty Puckerin – Ampacet Corporation
Mark Ryan – Shepherd Color
Ann Smeltzer – Clariant Pigments

Newly Elected Directors:

Colin Green – Clariant Additives

SPE CAD RETEC® 2019

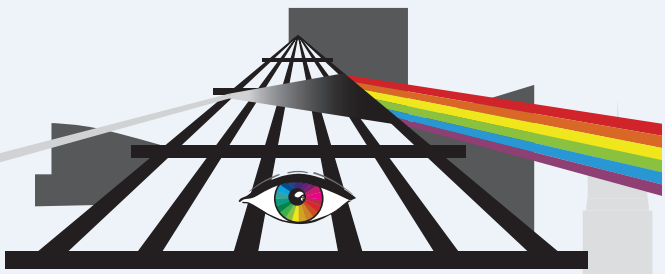
Call for Papers

Renaissance Cleveland Hotel
Cleveland, Ohio
September 23 – 25, 2019
(Monday – Wednesday format)

Deadline for Abstracts is April 5th, 2019

Chairperson: Steve Esker, Paramount Colors
steve@paramountcolors.com

Technical Program: Ann Smeltzer, Clariant
ann.smeltzer@clariant.com
Alex Prosapio, Sudarshan
aprosapio@sudarshan.com



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Come join us for The 57th Annual Society of Plastics Engineers Color and Appearance Division RETEC® to meet and discuss topics related to plastics coloration. This year's theme is Rocking Color in Cleveland. CAD RETEC® is the longest running and largest technical conference in North America devoted to the coloring of plastics. It started as a technical conference focused on development, manufacturing and research in the field of color science, color measurement, and coloring plastics but has grown to be THE place to network with others in the industry.

2019 EVENTS

- Preconference Color Seminar (*separate registration required*)
- Two full days of technical sessions
- 60+ exhibitors showcasing products and services
- Excellent Networking opportunities and receptions

THE COLOR & APPEARANCE DIVISION OF SPE PRESENTS

CAD RETEC® 2019

SEPTEMBER 23 - 25

RENAISSANCE CLEVELAND HOTEL, CLEVELAND, OH



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Society of Plastics Engineers Endowment Scholarship Program for the 2019 – 2020 School Year

The Society of Plastics Engineers Color and Appearance Division have scholarships available for qualified individuals.

Each year, scholarships are awarded in honor of some of those who have influenced our industry through education of up to \$4,000 each. Additional full or partial scholarships may be awarded based on available funding and on the number of qualified applicants.

Jack Graff Memorial Scholarship	up to \$4000.00
Gary Beebe Memorial Scholarship	up to \$4000.00
Bob Charvat Memorial Scholarship	up to \$4000.00
Steve Goldstein Memorial Scholarship	up to \$4000.00
George Rangos Memorial Scholarship	up to \$4000.00

Scholarship Eligibility

1. Applicants for these scholarships must be full-time undergraduate students in either a four-year college or a two-year technical program or enrolled in a graduate program.
2. All applicants must be graduates of public or private high schools.

Scholarship Criteria

1. Applicants must have a demonstrated or expressed interest in the coloring of plastics industry.
2. Applicants must be majoring in or taking courses that would be beneficial to a career in the coloring of plastics industry.
3. An applicant must be in good academic standing with his or her school.
4. Preference is given to student members of SPE and also to students who have a parent(s) as a member of the Color & Appearance Division of the SPE.
5. Financial need of an applicant will be considered for most scholarships.

Application Procedure

To be considered for a scholarship from the Color & Appearance Division Endowment Scholarship Program, applicants must complete an application available on [our website](#) and return it to the address specified on the application by **June 3, 2019**. All submitted applications must include:

1. A completed application form.
2. Three recommendation letters: two from a teacher or school official and one from an employer or non-relative.
3. A high school and/or college transcript for the last two years.
4. An essay by the student (500 words or less) telling why the applicant is applying for the scholarship, the applicant's qualifications, and the applicant's educational and career goals in the coloring of plastics industry.

All scholarships will be paid directly to the recipients' schools.

The Color & Appearance Division Endowment Scholarship Program will not award scholarships to applicants who are not qualified and reserves the right to not award a scholarship in a given year if it so chooses.

Milliken presents

Milliken introduces range of Keyplast™ RESIST colors for high-performance engineering polymers

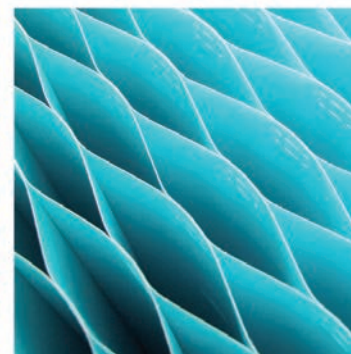
It's not easy to color high-performance engineering polymers with bright and vibrant hues. Not only are such materials subject to high-temperature processing, they also require steady, reliable performance properties when used, as is often the case, in demanding outdoor applications. Colors and additives cannot be allowed to negatively impact any of those properties.

As we continue to build our strong product portfolio and develop high performance colorants, Milliken is proud to introduce our new range of Keyplast RESIST products for coloring engineering polymers such as polyamides, polysulfones, PEEK, PPO and other high-heat resins and alloys.

Polyamides (aka nylon), in particular, have tended to provide significant coloring challenges in the past due to their chemical composition. Additives historically used to color many other resins did not prove effective in these resins. At first, many thought this problem to be related to the high heat processing requirements for nylons. But subsequent research revealed that normal colorants, both pigments and dyes, are reacted with the amide system and ruined by discoloration due to the loss of conjugation in the colorant molecule.

Nylon's toughness and other performance properties make the resin ideal for use in applications such as power tools, automotive components, gears, and appliance parts, many of which require precisely controlled coloration. But through continued research and development, Milliken has now developed Keyplast RESIST to allow it to be used effectively with all grades of nylon, including polyamide 6, 66, 46, 11 and 12.

Customers tend to choose these Keyplast RESIST for their brilliant colors and high-end properties. These materials offer improved weather resistance and light fastness, are high purity and perform well in the high-tem-



Keyplast™ RESIST colorants for high-performance engineering polymers

perature and chemically-reductive conditions typically associated with high-performance polymers.

Users of such colorants are all too aware of the severe product shortages currently impacting the market. Stricter enforcement in Asia of environmental regulations and manufacturing effluent limits has led to short supply primarily of key colorant intermediates, and even prompted plant closures or

drastic cutbacks in production. As a result, for the past few quarters, the colorants market globally has seen unprecedented cost increases, which are impacting all levels of the supply chain.

Milliken, of course, is not immune to these market pressures, but is working to take a proactive approach regarding customer's needs.

For more details and information please contact us or visit us online at chemical.milliken.com

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LATIN AMERICA : lachem@milliken.com | ASIA : asiachem@milliken.com

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Color and Appearance Sessions at ANTEC® 2019

INSPIRE

MONDAY MARCH 18, 2019 - Morning

Monet Room

9:00 am	When Color Pigment Development Meets Facebook, Elmo and the EPA <i>Matt Comstock, Shepherd</i>
9:30 am	History of Colour in Plastics <i>Lucy Gibbons, DCC</i>
10:00 am	Appearance Specifications for Plastic Parts: A Practical Method for Ensuring Consistent Appearance <i>Eric Larson, Art of Mass Production</i>
10:30 am	Reflecting 100 Years of TiO ₂ <i>Adam Reinitz, Chemours</i>
11:00 am	Low emission, UV stabilized Lasermarkable POM for Automotive Interiors <i>Bruce Mulholland, Celanese</i>
11:30 am	Azo Pigments: A Historical Perspective on the Discovery and their Application in Polymers <i>Dr. Romesh Kumar, Clariant</i>
NOON	Lunch, on your own

MONDAY MARCH 18, 2019 - Afternoon

Monet Room

2:00 pm	Panel Discussion: Navigating Supply Challenges in Today's Complex Regulatory Environment During a Trade War <i>Industry Panel</i>
2:30 pm	Polyester Fibers and their Mass Coloration for Automotive Applications <i>Fang Wang, BASF</i>
3:30 pm	Preventing Discoloration in Thermoplastic Polyurethanes <i>Tad Finnegan, BASF</i>
4:00 pm	Chromatic Effects for Sensitive Plastics Applications <i>Justin Abel, Sun Chemical</i>
4:30 pm	Color and Appearance Division Business Meeting



Councilor's Reports

FALL COUNCIL MEETING REPORT

SPE Council convened in Charleston, SC for the Fall 2018 meeting. At the beginning of proceedings, President Brian Grady called for a moment of silence to honor the passing of several distinguished SPE members. Clear and relevant governance is the foundation of a well-run society and SPE continues to refine its policies and by-laws. Several items were amended and approved during Council thanks to the diligent leadership of Councilor Bruce Mulholland.

Financial Review & CEO Report

CEO Farrey presented a financial report that covered Society finances through June 30, 2018. Since then, the July 2018 financial report has been made available. The operational performance was strong, with costs trending downward despite increased headcount and salary increases at SPE HQ. The information systems overhaul will produce \$200k in net savings annually when older contracts are unwound.

The SPE financial investment portfolio has declined and remains behind budget. Farrey explained that SPE's financial portfolio continues to be conservative, targeting 6% annual return.

Farrey presented an update on the initial impact of Council's decision to stay with the old chapter dues system after having implemented a new software program. The current way of doing business results in higher costs (\$5k one-time charge, \$6k monthly accounting fees) while reducing efficiencies such as enabling auto-renewal for members. After much discussion, both in Council and during recess, VP of Sections, Scott Eastman, brokered a compromise that allows chapters to lock-in the amount of pass-through funds for two years at the level received on June 30, 2018 while embracing the new software system. Of course, this number can increase as chapters attract and retain new members.

New Programs & Initiatives

SPE continues to build programs that deliver value for members. Director of Member Experience, Sue Wojnicki, presented an overview of a new content strategy, including licensed learning courses from the Institute of Packaging Professionals (IOPP) titled, "Fundamentals of Plastics Packaging Technology". SPE-developed webinars, which are free for SPE members and \$199 for non-members, are being rolled out through the remainder of 2018 covering topics such as artificial intelligence and plastics in the automotive sector. To support this and other programs, a new marketing program manager has been hired to create and improve processes for member acquisition and retention.

A new mentor program has been launched. SPE members can sign up to be a mentor, a mentee, or both. This development comes in response to previous ideas from councilors and members about taking advantage of the knowledge and skills of our 22,000-strong community of plastics professionals.

In addition to new programs, the new IT infrastructure continues to create benefits make life easier for volunteer leaders such as live membership reporting where membership chairs can access reports at any time. In addition, SPE can now help Chapters process credit cards for incidental payments received for things like newsletter ads, sponsorships, etc. Through a simple online payment gateway form, Chapters may now accept credit card payments and HQ will clear the transaction and remit the revenue back to the Chapter.

SPE has discontinued the use of paid conference calling systems which results in a cost savings of ~3K/month, Chapters can take advantage of new, free, better systems such as Zoom and staff will offer support of Zoom if questions arise. Pinnacle Awards forms can now be completed entirely online whereas before they had to be printed, completed by hand, scanned and emailed to SPE.

The SPE Online Technical Library now contains over 14,000 items. With improved search functionality, this is a valuable tool for chapters to promote the content created by their members at conferences or other events. Each chapter is responsible for deciding which content is suitable for inclusion. Instructions for uploading can be found on the main SPE website: Content > Leadership Resources > Leadership Documents. SPE will provide additional guidance in the following weeks.

Chapter Insurance Program

Following recent discussions on The Chain that clarified the need of each chapter to have its own insurance coverage, Farrey announced that a global agreement has been negotiated by SPE to offer insurance for all chapter board members for \$450/yr starting on October 1, 2018. This amount is significantly less than previous programs where the average cost to the chapters was \$1200/yr. Chapters must have the following in order to be insured using the program developed by HQ: 1) bylaws are on file with SPE HQ; 2) a current roster with all board members, all of whom must be SPE members must be provided to SPE HQ; 3) financial forms (IRS 990 and annual report) must be on file with SPE. A webinar covering all details will be hosted by SPE at 11h00 EST on September 27, 2018. Details about the program are posted at www.4spe.org/chapterinsurance. SIGs and student chapters are exempt as they are covered by SPE. Chapters that already have coverage are encouraged to talk to Farrey directly about the transition.

SPE Foundation Report

SPE Foundation Director, Eve Vitale, announced that the Foundation Annual Report will be available at ANTEC® 2019 in Detroit. Vitale reviewed multiple initiatives underway through the Foundation including increased advocacy efforts with PLASTICS for both workforce development and recycling infrastructure funding; PlastiVan outreach programs with Kettering University, Baylor University, SPE Divisions including Thermoforming and Composites, and a virtual classroom seminar with students in Australia in partnership with the AUS/NZ Section.

2019 Executive Board Elections

There are 3 open positions on the SPE Executive Board. Terms begin March 17, 2019. Elections will be held beginning in January 2019 for the following positions:

- President-Elect: 1-yr term, 3-yr commitment
- VP Events: 3-yr term
- VP Young Professionals: 3-yr term

WINTER COUNCIL MEETING REPORT

The December Council meeting was held as a virtual meeting on December 13, 2018. The purpose was to review the budget for the upcoming fiscal year as well as a few other agenda items.

The Sections and Divisions insurance program is now live. CAD is now compliant with Liability Insurance through this SPE Insurance program. The cost of \$450 is deducted from the membership dues pass-through rebate. This will be no cost to CAD. To qualify for this insurance, a Section or Division must have articles of incorporation filed with the State of Connecticut, and bylaws, an officer roster, and current financial/tax forms filed with SPE HQ. CAD is in compliance with all of these requirements. If a Section or Division is not in compliance, they will be removed from active status until they become compliant. Bruce Mulholland presented changes to SPE bylaws to reflect the requirement of obtaining this liability insurance. Changes were approved.

The 2019 budget was reviewed. SPE is projecting a loss of \$373K primarily due to the expectations of a softer market and less revenue from investments. With reserves, SPE could exist for eleven more years operating at this level of projected loss. Obviously there will be changes made during 2019 to improve the financial position of the organization.

The elections for Council officers is slated to begin the last week of January for the position of President-elect. The following week elections for Vice President of Events and Young Professionals will occur. Bruce Mulholland of CAD has been nominated for the position of VP of Events.

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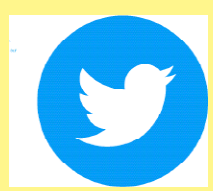
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Join SPECAD's Group On **LinkedIn** to network with industry peers, participate in group discussions of industry and technical topics, find job opportunities, and get the latest division and conference announcements.

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 Group ID 152108
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BOARD MINUTES

The CAD Division posts the board minutes as soon as approved and they are accessible on our website.

[Click here](#) to review our board minutes.



Invitation to Attend Our Board Meetings

The Color and Appearance Division regularly holds Board of Director (BOD) meetings at the ANTEC® and the CAD RETEC®. In addition, a Summer BOD meeting is typically held about 6 weeks prior to the next CAD RETEC®.

The Summer meeting is scheduled in various locations. A Winter BOD meeting is held in January. The Winter meeting is typically held at a site of a future CAD RETEC®.

Any SPE CAD members who wish to attend are welcome at these meetings. If interested in attending the next Board meeting, please contact the Division Chairperson for more information.



Winter 2019



Chairman:
Brian West, 865-425-2113
Techmer PM LLC
bwest@xxxtechmerpm.com

Immediate Past Chairman:
Cheryl Treat, 313-570-3911
BASF Colors & Effects
cheryl.treat@xxxbasf.com

Finance Chair:
Mark Freshwater, 201 665 0091
Lansco Colors
mark@xxxpigments.com

Chair-Elect:
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Ampacet Corporation
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Treasurer:
Bruce Mulholland, 859-525-4756
Celanese
bruce.mulholland@xxxcelanese.com

Secretary:
Mark Tyler, 570-952-5255
Silberline Mfg
tylerm@xxxsilberline.com

Councilor:
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bruce.mulholland@xxxcelanese.com

Note: remove xxx after ampersand in email addresses before emailing – added here to prevent bots from capturing email.

CAD DIRECTORS

DIRECTORS until 2019

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