

Chairman's Message

It is hard to believe that it is now September and that the summer of 2019 is almost behind us!

We had a fun and productive Board of Director's Meeting in August in the great city of Boston where we discussed future meeting sites (perhaps New England?) and welcomed some new board members including Colin Greene from Clariant and TJ Stubbs of Teknor Apex. I'm sure that both of them will be a tremendous asset to our board and will be quickly absorbed into one or more of our many working committees.

Please extend a hearty congratulations to them when you see them at our RETEC® meeting in a few weeks.



Speaking of the RETEC® meeting, it is rapidly approaching and will be held at the Renaissance Hotel in Cleveland, Ohio September 23-25, 2019. This will be our 57th Annual Society of Plastic Engineers Color and Appearance Division RETEC® and we hope that you will come and join us to meet and discuss topics related to plastics coloration. This year's theme is Rocking Color In Cleveland. And as you probably know, 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.

The SPE PlastiVan will also be at CAD RETEC® 2019 on Tuesday September 24, 2019. Plastic plays a vital role in transportation, health care, agriculture, and electronics—and almost all other industries. But in the United States the industry is experiencing a serious shortage of skilled workers so as the plastics industry continues to thrive, it needs creative, bright, and passionate new minds to steer its course. PlastiVan® works to bring those concepts to life for students. Through lively demonstrations and hands-on activities, the PlastiVan® Program is designed to excite students about opportunities in science and engineering within the plastics industry. Students are educated about the chemistry, history, processing, manufacturing, and sustainability of plastics and how the science and real-world applications relate to their everyday lives. PlastiVan® provides sound science and educational programs which spark scientific curiosity in students while increasing their knowledge of the contribution plastics make to modern life; encouraging them to seek careers in engineering. We really wanted to bring this to CAD RETEC® in 2019 so that you could learn about the services that it offers as well as consider sponsoring a visit to your local schools. Plastics companies and other organizations—such as trade schools and community colleges—are encouraged to introduce their community to the positivity of plastics by sponsoring a visit from the PlastiVan®. Companies that sponsor PlastiVan®

continued on page 2



COLOR & APPEARANCE

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nurture the development of their future workforce by opening the minds of students to careers in science, engineering, technology, and mathematics (STEM), subjects that are utilized on a daily basis in the plastics industry.

We also have some really fun and informative activities set up before during and after the paper presentations on Tuesday and Wednesday. Bruce Mulholland who is an SPE Fellow from Celanese will be teaching an all-day "Coloring of Plastics" course starting at 8-4:30 on Monday. This is a great course for those who are just starting their careers in plastics. I took this course with Bob Chavrat more than 15 years ago and found it extremely valuable and worth every penny. There will also be a golf outing on Monday at the Stonewater Golf Club in Highland Heights starting at 10:00 am. Our reception this year will be at the World-famous Rock and Roll Hall of Fame on Monday night from 7-11pm and our own "Third Eye Blind" will be playing there as well. Scott Heitzman will moderate our New Technology on Tuesday afternoon at 4:45 where we get to learn about the exciting new products in our industry. This is a session that should not be missed! Also our CAD RETEC® 2019 Fun Run will occur at 7:00 am on Wednesday morning. This is a charity event so CAD will match every \$25 donation with all proceeds given to the Habitat for Humanity. At 4:00pm on Wednesday we hold the highly-anticipated raffle where everyone who fills out the questionnaire and is present at the raffle has a chance to win some great prizes. This is always a fun event and filled with laughter.

Don't forget to check out all of our exhibitors and their tabletops. There is a lot to see and many new faces to meet.

We had a great team that organized and promoted this event and we thank them for all of their hard work:

- Chair: Steve Esker, Paramount Colors
- Vice Chair: Mark Freshwater, DCC Lansco
- Technical Program Chairs: Ann Smeltzer, Clariant and Alex Prosapio, Sudarshan
- Exhibitor Organizer: Brian West, Techmer
- Sponsorship: Cheryl Treat, BASF and Scott Aumann, EMD

Of course none of this would be possible without all of our sponsors and we are grateful for all of their support:

- Aakash Chemicals, Sandream Impact, DCC, Lansco, Tronox, BASF, Sudarshan, EMD, Shepherd Color, Sun Chemical, Clariant, Tomatec, Trust Chem, M.Holland, Silberline, and Keim Additec.

I hope to see all of you in Cleveland. Safe Travels!

Doreen Becker
2019-2020 Chair
Color & Appearance Division

RETEC® 2019 Sponsors

Registration fees for attendees are kept low in part by the generous donations of corporate and individual sponsors.

We would like to say a special thanks to these generous sponsors and recognize their support of the conference.

Watch for sponsorship signs during the conference to see which event each of the companies below sponsored.

DIAMOND Sponsors



AAKASH CHEMICALS

THE SKY
IS THE LIMIT

Sandream  Impact
Inspiration Delivered



DayGlo®



PLATINUM Sponsors



COLORS &
EFFECTS

A brand of BASF – We create chemistry

EMD
PERFORMANCE
MATERIALS

SUDARSHAN



The Shepherd Color Company
We Brighten Lives

TRONOX 

GOLD Sponsors

CLARIANT 

TOMATEC

SunChemical®
a member of the DIC group 
Color & Comfort


TRUST CHEM
USA



RETEC® 2019 Sponsors (continued)
 Special thanks to these generous sponsors and recognize their support of the conference.

Watch for sponsorship signs during the conference to see which event each of the companies below sponsored.

SILVER Sponsors



Exhibitor List

3V Sigma USA
 Aakash Chemicals
 Applied Market Information LLC
 Arrow Point Corp
 BASF Corporation
 Birla Carbon
 Brabender Technologie
 BYK-Gardner USA
 Chemigon
 Chemours
 Paramount Colors, Inc.
 CINIC Chemicals America, LLC
 Clariant Corporation
 Coperion Corporation
 C.W. Brabender Instruments, Inc
 DataColor
 Day-Glo Color Corporation
 DCC LANSCO
 Eckart America Corporation
 EMD Performance Materials
 ENTEK
 Ferro Corporation
 First World Source (FSW)
 Fortune International Technology
 FP-Pigments, Inc.

Heucotech LTD
 HL Blachford Ltd.
 HunterLab
 Intercoastal Sales
 Keim Additec Surface USA, LLC
 Konica Minolta Sensing America
 Kuncai Americas LLC
 Lanxess Corporation
 Leistritz
 Liberty Specialty Chemicals
 Lintech International LLC
 Lomon Billions
 Lubrizol
 M. Holland
 Maroon Group LLC
 Milliken & Company
 Modern Dispersions Inc.
 Omya, Inc.
 Royce Associates ALP
 Sandream Impact LLC
 Sanhu Color

Schlenk Metallic Pigments
 Shepherd Color Company
 Silberline Manufacturing Co.
 Sincol USA Inc.
 Spectra Dyestuffs Inc.
 Sudarshan North America
 Sun Chemical Corporation
 TOMATEC America, Inc.
 Torrecid USA
 Tronox LLC
 Trust Chem USA, LLC
 United Mineral & Chemical Corp.
 Venator
 Yipin Pigments Inc.
 Zeppelin Systems



CAD RETEC® 2019 Tutorial

Monday ♦ September 23rd, 2019

The tutorial runs a full day on Monday prior to CAD RETEC® and does require a separate registration and fee. The attendance is limited to 20 persons, so register soon. Attendees receive a full-color manual to use as a reference when they return home.

The Color and Appearance Division of SPE has been presenting the “Coloring of Plastics” tutorial at the start of the CAD RETEC® conference for many years. Many SPE members and non-members have benefited from this program. The tutorial is a great starting point for those just beginning a career, or an excellent continuing improvement opportunity to those who wish to add to their base knowledge of coloring of plastics. The course is full of practical information which is embellished and enlightened by the active participation of all the attendees.

Attendees will leave the course with a better understanding of color technology and should be more effective in their careers around color.

Who might benefit from attending the tutorial?

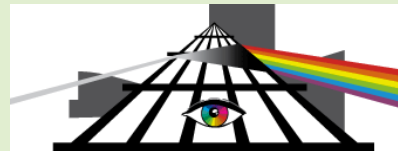
- ♦ Executives needing to better understand their company's coloring issues
- ♦ Managers newly appointed and/or desiring to communicate more effectively with peers and subordinates
- ♦ Color formulators/matchers to better understand the theory behind their work
- ♦ Color specifiers/approvers to understand limitations in coloring of plastics
- ♦ Sales personnel hoping to gain more technical knowledge to better serve their customers
- ♦ Product designers wishing to better understand the technology behind the coloring of plastics, to make better and more informed decisions
- ♦ Color manufacturing personnel to understand the impact of compounding on color
- ♦ Color processors (*injection molding, extrusion, etc*) to better understand the technology ways they can impact the final color



For more information about Color of Plastics Tutorial, please contact the Conference Chair and Tutorial Instructor Bruce Mulholland, bruce.mulholland@celanese.com or call 859-525-4765

To register for this opportunity sign up on the [SPECAD webpage](#)

CAD RETEC® 2019 Committee



ROCKING COLOR IN CLEVELAND CAD RETEC® 2019

| | |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------|
| Chairperson: | Steve Esker, Paramount Colors steve@paramountchemicals.com |
| Technical Co-Program Chair: | Ann Smeltzer, Clariant ann.smeltzer@clariant.com |
| Technical Co-Program Chair: | Alex Prosapio, Sudarshan aprosapio@sudarshan.com |
| Exhibitors: | Brian West, <i>Techmer PM</i> |
| New Technology Forum: | Scott Heitzman, <i>Sun Chemical</i> |
| Registration: | Bruce Mulholland, <i>Celanese</i> |
| Sponsorship: | Cheryl Treat, <i>BASF Colors & Effects</i> Scott Aumann, <i>EMD</i> |
| Paper Downloads: | Todd McHenry, <i>Lanxess</i> |
| Printing/Publicity: | Betty Puckerin, <i>Ampacet</i> |
| Website: | Jeff Drusda, <i>The Chemours Company</i> |
| Fun Run/Walk: | Bruce Howie, <i>DCC LANSCO</i> |
| Golf Outing: | Mark Tyler, <i>Silberline</i> |
| Raffle: | Chuck DePew, <i>Holland Colours</i> |



Next year's venue in Florida

ROCKING COLOR IN CLEVELAND
CAD RETEC® 2019





WELCOME RECEPTION
MONDAY, SEPTEMBER 23RD
 7:00 PM – 11:00 PM

ROCK & ROLL HALL OF FAME
 Complimentary with Registration

Join us for cocktails, networking, light snacks, and live music by Color Eye Blind with special guests



Use the **GOLD** drink tickets.
 Bring your name badge to get in.

Event Sponsor: **Aakash | Sandream & Dayglo**

Transportation to Rock & Roll HoF

Shuttles begin running at 6:45pm from the hotel
 Last shuttle leaves the RRHoF at 11:15pm

Shuttles run approx. every 15 minutes.

Pick up at main entrance of hotel. (Superior Avenue entrance)

Event Sponsor: **DCC LANSCO**

NETWORKING RECEPTION

TUESDAY, SEPTEMBER 24TH

6:00 PM - 7:00 PM

GRAND BALLROOM

SPONSORED BY

SHEPHERD COLOR

USE THE **GREEN** TICKETS FOR DRINKS.
 COMPLIMENTARY WITH REGISTRATION!

RETEC® CONFERENCE INTERNET ACCESS:

SPONSORED BY

SUDARSHAN



5K Fun Run/Walk
 To benefit Habitat for Humanity

WEDNESDAY, SEPTEMBER 25TH

HOTEL LOBBY AT 7:00 AM

Start your Wednesday morning off right. Join us bright and early for a fun run/walk through Cleveland. You'll be back in time to catch the first paper.

Free T-Shirt for the first 40 runners!

Event Sponsor: **DCC LANSCO**

Event Coordinator: **Bruce Howie**

Cost: \$25, CAD will match your donation!

TUESDAY BREAKFAST

TUESDAY, SEPTEMBER 24TH

7:00 AM

SPONSORED BY

DCC LANSCO

COMPLIMENTARY WITH REGISTRATION!

GRAND PRIZE: APPLE IPAD
OTHER GREAT PRIZES AS WELL!
** MUST BE PRESENT TO WIN **

AWARDS LUNCHEON

EXHIBIT HALL (BEHIND GRAND BALLROOM)

WEDNESDAY, SEPTEMBER 25TH

12:00 PM – 1:30 PM

Event Sponsor: **TRONOX LLC**

COMPLIMENTARY WITH REGISTRATION

EXHIBIT SCHEDULE

GRAND BALLROOM

TUESDAY, SEPT. 24TH

10:00 AM TO 7:00 PM

NETWORKING RECEPTION

TUESDAY, SEPT. 24TH

6:00 PM TO 7:00 PM

WEDNESDAY, SEPT. 25TH

8:30 AM TO 3:00 PM

(CLOSED DURING LUNCH)

CAD SURVEY RAFFLE:

WEDNESDAY, SEPT. 25TH

4:00 PM

GOLD ROOM

Complete your Survey and drop it off at the Registration Desk for your chance to win.

Grand Prize: Amazon Echo Spot plus many other great prizes!

* Must be present to win *

TUESDAY LUNCH

EXHIBIT HALL (BEHIND GRAND BALLROOM)

TUESDAY, SEPTEMBER 24TH

12:00 PM

Event Sponsor: **SPONSORED BY EMD**
 COMPLIMENTARY WITH REGISTRATION



RETEC® 2019 GOLF OUTING
MONDAY, SEPTEMBER 23RD
Stonewater Golf Club

Schedule (EST)

Registration: 10:00 am to 11:30
 11:45 pm Shotgun Start
 Conference Opening Ceremony
starts at 8:00 pm

Event Coordinators: **Mark Tyler**
Mark Freshwater
Alex Prosapio



SPE Events App:

Download from iTunes or the Play Store
 No login or password required!



HERE ARE THE INSTRUCTIONS:

Download the “Eventsential” app
 Add “SPE: Inspiring Plastics Professionals” to
 the organization list Once SPE is added to the list,
 click on the SPE listing. Users will see a list of
 upcoming and past events under the SPE listing.

A fun feature of the app is that any social media
 posts hashtagged with #RETEC will appear on the
 dashboard.

HOSPITALITY SUITES

While hospitality suites are not sponsored by the
 SPE CAD, we realize the importance of these
 functions to the conference attendees.

Check hotel monitors and signs for times and
 locations of other suites operating during CAD
 RETEC® 2019

Editor’s Note



Welcome to the 2019 Fall / CAD-RETEC® issue of the Color and Appearance Division Newsletter where I hope you find pertinent information on the events upcoming and subjects of interest to you. We are week away from this year’s RETEC® in Cleveland, OH (*September 23rd – 25th*) where we have an excellent technical program set

up as usual (*See the Technical Program pages 8 & 9 this issue for times and topics*). Tuesday evening will start off the conference with our Opening Reception starting at 8:00 where Color Eye Blind will be playing at the Rock and Roll Hall of Fame and networking opportunities all around. There will be shuttles provided to take people to and from the Rock and Roll Hall of Fame. Tours of the Rock Hall of Fame will be included as will snacks and sweets. Please remember your conference badge and drink tickets provided in your registration packet. If you don’t remember your badge, don’t worry, there will be a person there to assist in checking you in onsite.

There will be over 67 companies exhibiting at this year’s event to show off their products and any new products or systems that they are launching this year. They will have representatives there to answer your questions about their products and be able to demonstrate their new technologies. Make it a point to visit the exhibits and engage the people at the show and see what they can do for you. Also, along with the exhibitors there will be the New Technology Forum Tuesday immediately after the afternoon sessions where a company will have 5 minutes to discuss new products that they may be launching. It is a great opportunity to see what’s new in the industry and who to talk to about it.

A reminder that 2020 ANTEC® is early this year, March 30th to April 2nd in San Antonio, so that moves all deadline dates ahead from paper submissions to elections to the BOD for this division. See the information in this Newsletter for details on submission deadlines and consider participating as a presenter at next year’s ANTEC® or being part of the CAD BOD.

Some of the extra events going on for RETEC® is the Golf Outing at Stonewater Golf Club (*preregister*) on Monday Morning, Coloring of Plastics Tutorial (*preregister*) Monday Morning, Networking Reception Tuesday after New Technology Forum, and the Fun Run (*preregister*) on Wednesday morning.

We hope to see you at RETEC® 2019 in Cleveland. You don’t want to miss it.

Mark Tyler

Color and Appearance Newsletter Editor
 tylerm@xxsilberline.com



Technical Program, Gold Room
Tuesday 24 September 2019



The SPE PlastiVan will be at CAD RETEC® 2019 to provide hands-on activities to students. For more information, click on the PlastiVan logo or go to the SPE website at www.4spe.org.

| Time | Category | Speaker/Company | Title/Sponsor |
|----------------------|------------------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7:00-8:00 AM | Breakfast | Exhibit Hall | Sponsored by DCC LANSCO |
| 8:45 AM | Opening Remarks | Steve Esker – Paramount Colors | Welcome to CAD RETEC® 2019 in Cleveland, OH |
| 9:00 AM | Keynote | Doreen Becker – Ampacet | Sustainability in the Plastics Industry |
| 9:30 AM | Paper | Eric Andrews – Color Synthesis Solutions | Colorant Migration Fastness as a Function of Polymer Additive Packages: Research into the Appropriate Use of PET grades in Food Contact Applications |
| 10:00 AM | Break | Exhibits open Grand Ballroom A & B | Sponsored by Clariant |
| 10:30 AM | Paper | Rich Covelli – Paramount Colors | Formulation of Liquid Colors – A Tutorial |
| 11:00 AM | Paper | Frank Mazzella – Sudarshan | The Science of Effect Pigments |
| 11:30 AM | Paper | Brian Coleman – Celanese | Rocking Color in the Lab: Understanding Beginner Color Matching Misconceptions |
| 12:00-1:30 PM | Lunch | Exhibit Hall | Sponsored by EMD Performance Materials |
| 1:30 PM | Paper | Nigel Smith – DCC LANSCO | Workhorse pigments for Plastics – Core Pigment Chemistries for the Polymer Colourist's Toolbox" |
| 2:00 PM | Paper | Justyn Pyz – Coperion | Tool Box for Quality Color Pigment Dispersions on Twin Screw Extruders |
| 2:30 PM | Keynote | Christian Lechner – Clariant | Improved Pigment Dispersion in Engineering Polymers with Rice Bran Waxes |
| 3:00 PM | Break | Exhibit Area Grand Ballroom A & B | Sponsored By Sun Chemical |
| 3:30 PM | Paper | Anthony Rohrer – Sun Chemical | Recent Advances in Light Diffusion |
| 4:00 PM | Paper | Min Wang – Solvay | Extending the Value of Polyolefins to Accelerate Growth |
| 4:30 PM | Paper | Mark Ryan – Shepherd Color Company | Improving the recyclability of black plastics through the use of IR Pigments |
| 5:00 PM | NTF | Scott Heitzman – Moderator | New Technology Forum |



Don't miss the chance to hear about new offerings from these exhibitors

Moderator: Scott Heitzman, Sun Chemical

- 5:10 BASF
- 5:15 MIXACO
- 5:20 Sun Chemical Corporation
- 5:25 Brabender Technologie
- 5:30 Daticolor
- 5:35 Keim Additec Surface USA, LLC
- 5:40 Aakash Chem | Sandream Imp
- 5:45 The Shepherd Color Company
- 5:50 DCC LANSCO
- 5:55 Trust Chem

Network Reception

Tuesday 24 September 2019

Exhibitor Area, 6:00 pm – 7 pm, (Green tickets)

Sponsored by The Shepherd Color Company

Technical Program, Gold Room
Wednesday 25 September 2019

| Time | Category | Speaker/Company | Title/Sponsor |
|-----------------|-----------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 7:00 AM | Activity | Fun Run/Walk Renaissance Lobby | Sponsored by DCC LANSCO |
| 8:45 AM | Opening Remarks | Steve Esker – Paramount Colors | Welcome to Day 2 CAD RETEC® 2019 in Cleveland, OH |
| 9:00 AM | Paper | Frank Mazzella – Sudarshan | Surface Modification and Encapsulation: Performance Enhancements for Pigments |
| 9:30 AM | Paper | Breeze Briggs – BASF | Finding an Alternative to Dyes: Can Pigments Fill the Role? |
| 10:00 AM | Break | Exhibit Area Grand Ballroom A & B | Sponsored by Tomatec |
| 10:30 AM | Paper | Dan Martelli – Heubach | Inorganic Pigments for MasterBatch |
| 11:00 AM | Paper | Brent Johnson – Milliken | What is the true Value of Polymeric bound UV Absorbers? |
| 11:30 AM | Paper | Philippe Lazerme – Clariant | Improved Pigment Dispersion in Engineering Polymers with Rice Bran Waxes |
| 12:00 PM | Luncheon | Awards Luncheon Exhibit Hall | Sponsored by Tronox |
| 1:30 PM | Paper | Dr. Andy Francis – Q-Lab | Water delivery during Accelerated Weathering testing for Improved Correlation to Outdoor Results |
| 2:00 PM | Keynote | Ali Dhinojwala –University of Akron | Use of Melanin for Structural Colors |
| 2:30 PM | Break | Exhibit Area Grand Ballroom A & B | Sponsored by Trust Chem |
| 3:00 PM | Paper | Jack Ladson – Color Science Consultancy | Using Advanced Statistics to Estimate an Index of Merit for Color-Difference Distributions |
| 3:30 PM | Paper | Mike Willis – Sun Chemical | Color Science from SPECAD |
| 4:00 PM | Closing Remarks | Steve Esker – Paramount Colors | Raffle (Prizes TBD) Must be present to win!! |
| 4:30 PM | | | Conference Ends |

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

EUROPE : eurochem@milliken.com | NORTH AMERICA : millichem@milliken.com
LATIN AMERICA : lachem@milliken.com | ASIA : asiachem@milliken.com

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UV Stabilizer Systems

iD UV Stabilizer Systems have been structured with a Hindered Amine Backbone that provides maximum compatibility for both PE and PP based end products.

This **VERSATILITY** allows for minimizing the variety of products usually needed to provide protection for each of the substrates and their end uses, resulting in cost savings.

Contact iD Additives today for all your stabilization needs.

**Rick Wilk: (914) 447-7258 or
 rwilk@idadditives.com**

iD UV Stabilizer Systems have proven their ability to outperform standard Hindered Amine UV Products in both PE and PP in the following applications:

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- **Wood Composites / Roofing / Pipe**
- **Outdoor Furniture / Stadium Seating**
- **Film for Chemically Aggressive Applications**

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CLARIANT



Shaping the world of tomorrow. **SOLUTIONS FOR PLASTICS**

Clariant offers trusted solutions for packaging with a broad portfolio of FDA compliant pigments and dyes. We provide global and regional product safety support with a proactive response to changing regulations and standards.

PV FAST | GRAPHTOL | SOLVAPERM
 POLYSYNTHAREN | HOSTASOL | TELALUX



WWW.CLARIANT.COM/PIGMENTS



CALL FOR PAPERS

ANTEC® 2020

San Antonio, TX • March 30-April 2, 2020



YOU ARE INVITED TO [SUBMIT A PAPER](#) FOR PUBLICATION & PRESENTATION
Color and Appearance Division is currently looking for paper submissions for ANTEC® 2020.

ANTEC® is early next year: **March 30 - April 2, 2020**
Marriott Rivercenter • San Antonio, TX
Paper submission **deadline is October 25, 2019**

ANTEC® is the world's largest plastics technical conference and will be located in San Antonio, Texas March 30 – April 2, 2020. The Color & Appearance Division will be holding our annual technical sessions during this conference, and we would like to encourage you and your company to participate by presenting a paper. We would consider any paper related to the color and/or appearance of plastic, and the following categories would be typical topics:

- ◆ Color Trends
- ◆ Decorative or Special Effects
- ◆ Color Measurement
- ◆ Color Matching Techniques
- ◆ Instrumentation/Test Methods/Quality Control
- ◆ Stabilization of Color
- ◆ Materials (Colorants, Additives, Plastics)
- ◆ Property Retention/Durability
- ◆ Troubleshooting or Innovation in the Color Area
- ◆ Regulatory Issues
- ◆ Processing and Equipment
- ◆ Other Color/Appearance Related Topics



A full manuscript submission is required and will be due by October 25, 2019.
Your paper will be published as part of the ANTEC® 2020 proceedings.

FOR MORE INFORMATION PLEASE CONTACT:

Jeff Drusda: jeffrey.drusda@chemours.com

Mark Tyler: tylerm@silberline.com

Councilor's Report– Summary of ANTEC® Council Meetings March, 2019



The SPE Council meetings were held prior to ANTEC® 2019 in Detroit, Michigan. At the beginning of proceedings, President Brian Grady called for a moment of silence to honor the passing of several distinguished SPE members, including Dr. Vicki Flaris, Thoi Ho, Dennis Hvam, and Richard G. Johnson. All presentations and data discussed during Council meetings are available on The Chain in the Council Committee of the Whole (CCOW). We encourage everyone to take the time to review this information to get a full understanding of the Society.

| | | 2018 Budget | 2018 Actual |
|----------|-----------------------|------------------|------------------|
| Revenue | Membership/HQ | 2,062,001 | 2,076,477 |
| | Foundation | 463,500 | 366,397 |
| | HQ Events | 888,500 | 805,372 |
| | Supported Events | 348,500 | 396,510 |
| | Total Revenue | 3,762,501 | 3,644,756 |
| Expenses | Membership/HQ | 2,916,161 | 2,612,042 |
| | Foundation | 589,495 | 456,673 |
| | HQ Events | 715,781 | 559,365 |
| | Supported Events | 22,600 | 10,135 |
| | Total Expenses | 4,244,037 | 3,638,215 |
| Results | Operational Result | (481,536) | 6,541 |
| | Investment/Interest | 401,000 | (290,420) |
| | Total Result | (80,536) | (283,879) |

SPE Official Business

Councilor Bruce Mulholland presented several proposed changes to bylaws and policies related to the budget review process and Fellows/HSM ratification procedures. Council approved both motions. All changes can be found in the official minutes. At the end of Council I, President Grady thanked the Executive Board for their service. He also thanked Past President Al-Zubi who is now leaving the Executive Board. President-Elect Landes presented the ceremonial pin to Grady and delivered the traditional “Whereas” tribute to Grady.

Incoming President's Remarks

Dr. Brian Landes of Dow Chemical begins his tenure as President of SPE (2019 – 2020). Dr. Landes delivered an inspiring talk that encouraged all SPE members to reflect upon why they joined the society and what they can do to ensure the society remains relevant and important in a changing world. His presentation included a summary of the SPE Strategic Plan that focuses on twin pillars of knowledge and networking. If SPE is to be vibrant for future generations of plastics professionals, it must make difficult decisions about resource allocation and member engagement. In keeping with the plastics zeitgeist, Landes ended his talk with a short video from The Alliance to End Plastic Waste, a global group that recently dedicated \$1.5bn to fight plastics pollution. SPE is uniquely positioned to contribute to this discussion because our strategic plan aligns with what is needed among the broader public audiences where scientific knowledge of polymer materials is lacking. This is the first step in a long journey, Landes concluded.

SPE Foundation

Foundation Director, Eve Vitale, presented a summary of her team's work over the past year. 21,371 students experienced the PlastiVan in 2018. \$88,250 was awarded in scholarships in 2018, with 33 recipients at 21 universities. A scholarship marketing campaign was established in 2018 to increase awareness of the available scholarships in an effort to increase the number of applicants. \$64,645 in grants were awarded in 2018, some at events that were not SPE-centric, thereby increasing awareness. “Giving Tuesday” (Tuesday after Black Friday) was a success, raising \$8,985 so that 1200 new students can experience the PlastiVan.

ANTEC®

The 2018 event, at the time of writing, was projected to achieve ~\$300k in profit for SPE. ANTEC® 2020 will be in San Antonio, TX with Council starting on the 28th of March and the actual program lasting from March 30-April 2. CSE Farrey announced that ANTEC® 2021 will be held in Denver, CO from March 22-25. The public announcement included discussion of the rationale for not co-locating with NPE. Both organizations, SPE and PLASTICS, have achieved a level of success with their respective events that co-location is no longer the optimal arrangement for either group.

continued on page 14

Councilor's Report (continued)

SPE Services to Chapters

The VP of Divisions, Creig Bowland, resigned his position due Sandra McClelland of the SPE Finance Committee presented findings from an in-depth review of SPE staff resource allocation and chapter support requirements. As summarized by CSE Farrey, HQ provides a vast array and quantity of services that consumes a significant portion of HQ staff time and resources. The current fee model (under which some Chapters pay for services and others don't) is inequitable and unsustainable. Everyone would be better served with a clearer understanding of the services provided and the cost structure. It was decided that a small task group would be assembled to review the issue and bring a recommended revised model forward for consideration. Complete details are available on Leadership Lane.

SPE Sales & Marketing

SPE Business Development Manager, Stephanie Clark, reported on the advertising revenue generated in 2018. In 2019, 79 exhibitors on the floor and 37 are brand new to ANTEC. The total revenue generated from this is \$249,000. There are also 6 sponsors generating \$75,000. In total, \$360,000 was raised against an aggressive budget of \$331,990. 26 chapters and organizations have supported student activities in 2018. In 2017, there were \$270,087 of advertising sales but since that time, the total has increased to \$556,600 in just 1.5 years.

Additional Reports

4 new student chapters have been chartered and approved by Council:

- National Textile University
- University of Oklahoma
- Ontario Institute of Technology
- UC Berkeley

The next Council meeting will be a virtual meeting to act on the efforts of the Election Cycle Task Force. It is scheduled for September 20, 2019.

Bruce Mulholland and Mercedes Landazuri

Bruce Mulholland, Mercedes Landazuri

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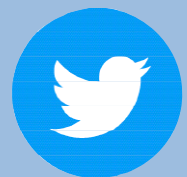
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BOARD MINUTES

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.

Fall 2019



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