

2016 SECTION AWARDS



PINNACLE GOLD



COMMUNICATION
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MEETING LOCATION:

Olde Mill Inn

Fieldstone Room (board meeting)
Morris Room (dinner)
225 Morristown Rd. (Rt. 202)
Basking Ridge, NJ 07920

THURSDAY OCTOBER 20, 2016

4:00 PM Board Meeting 5:30 PM Networking
6:00 PM Dinner and Speaker Presentation

	Member	Non-Member
Advance (before Noon 10/19/16)	\$40	\$45
At Door	\$45	\$50
Prosp. Mbr/Sig.Other/Guest		\$25
Unempl. Mbr.	\$15	
Students (show I.D.)	\$15	

R.S.V.P. to: Mr. Pete Hayles, Jr.

peterhayles11@gmail.com 732-569-2368

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OCTOBER 20, 2016

DESIGN ERRORS MASQUERADING AS PROCESSING FAILURES

VIKRAM BHARGAVA

For a plastic part or assembly to perform as expected, proper consideration has to be given to material selection, part design, tooling, and processing. In many instances, design errors are misclassified as tooling, processing or material issues. It is also not uncommon to attribute design related failures to customer abuse! Numerous actual parts will be shown to illustrate the foregoing. The discussion also introduces a quick and easy-to-use design verification tool that will be of tremendous advantage to design, tooling and processing personnel - both new and experienced.

Biography:

Vikram Bhargava is a Fellow of the Society of Plastics Engineers and Past Chairman of its Product Design and Development Division. He recently retired as the Director of Mechanical Engineering Services at Motorola Solutions in Holtsville, NY heading an international group of professionals. He has over 40 years of experience in product design, development, manufacturing and management, especially in plastics. He holds or has pending over 21 US and International patents. Vikram has successfully led many Six Sigma projects and is a certified Motorola Six Sigma Black Belt and trainer. He has a BSME from Birla Institute of Technology and Science, Pilani, India.

He is a sought after trainer and has trained thousands of engineers and suppliers in the proper design and manufacturing of plastic parts and assemblies in the US, China, Canada, Taiwan and India. One of his previous presentations was identified as one of the "Best of ANTEC 2011." He is currently authoring a book on Holistic Product Design to be published by Hanser in 2016.



For more information, see:

www.linkedin.com/in/bhargavavik/

EDITOR'S NOTE



Last month's VinylTec (see pictures on pages 3 and 4) was a success. Many thanks go to the sponsors and to the volunteers who put together a great conference. SPE offers many opportunities to get connected—conferences, section meetings, and now an online community (*The Chain*). Take some time to join in, online or—even better—in person on October 20 or at one of our other upcoming meetings. Our Section members have a wealth of knowledge and experience to share.

Our Section has always been about giving back to the industry, particularly through supporting student chapters and giving generous scholarships. Our sponsors, whose advertisements appear in this newsletter, help us to do this. If your company is not yet a sponsor, consider encouraging them to support our work.

Thanks for reading,
Jennifer Markarian, Editor
technicalwritingsolutions@comcast.net



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<u>Code</u>	<u>Type</u>	<u>Carrier Resin</u>	<u>LDR</u>	<u>Usage For V-0</u>
100532	O-Halogen	PE	100%	Compound
103132	O-Halogen	EVA	100%	Compound
11371	Brominated	PE	18-20%	Concentrate
401155	Brominated	PP	18-20%	Concentrate

Other flame retardant, foams and specialty additive concentrates for various resin types (HTPE, PVC, PP) are available.

Contact Joe Serbaroli at: joseph.serbaroli@ampacet.com or:

Ampacet Corp., Tarrytown, NY 800-888-4267

GET CONNECTED

Tech Talk:

Where plastics professionals come together from around the world to discuss the latest technical issues and innovations.



Get Connected with The Chain by SPE by Sue Milazzo Wojnicki, SPE Marketing Communications

The Chain is an exciting online community platform developed by SPE that provides tools for you to share information, ask for help, discuss problems, exchange lessons learned, search for information, or simply stay connected with other users. The Chain offers you the ability to participate in a variety of forums (*simply called "Places"*) where you can ask questions, offer advice, or simply maintain awareness of subjects that are of interest to you.

Tech Talk is the Place where plastics professionals come together from around the world to discuss the latest technical issues and innovations within the plastics marketplace. Put the knowledge and expertise of thousands of plastics professionals to work for you. Ask a question, provide an answer, or simply expand your knowledge base in this professionally moderated forum.

SPE Industry Exchange is a Place designed to engage users in general topics of interest in today's plastics industry. Pose questions on topics outside of the "technical" box, provide answers or comments from your experiences, or just simply share your opinions.

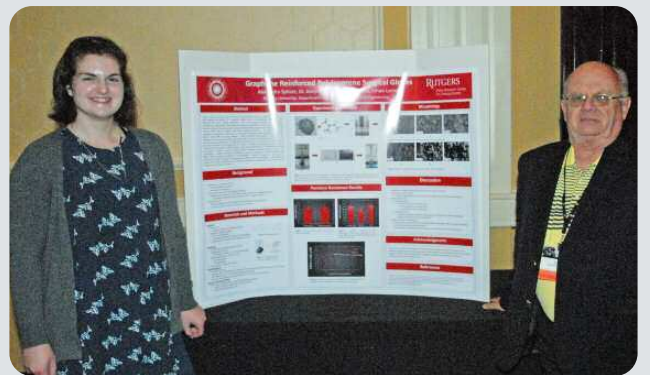
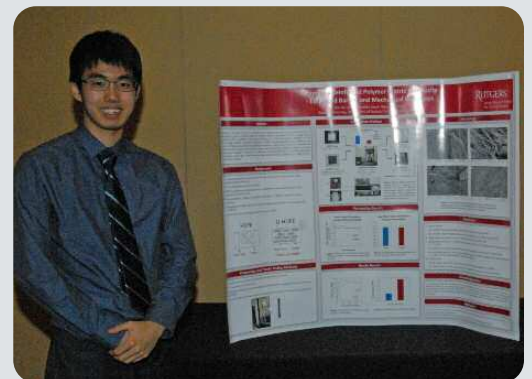
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Plastics Insight is SPE's weekly newsletter that provides a focused online report of current industry happenings, customized to your desired areas of interest. [Click here](#): to check out the newsfeed, and login to sign up for an email with the types of news stories you want to see.



Vinyltec® 2016 was hosted by the Palisades-New Jersey Section in conjunction with the Vinyl Division on September 20th thru September 22nd at the Renaissance Woodbridge Hotel and featured 24 exhibitors and 10 sponsors. The conference, which is the leading vinyl technology conference in North America, was attended by nearly 200 people and featured diverse talks on multiple subjects including additive manufacturing and computer modeling of PVC. A one day pre-conference seminar on rigid PVC compounding taught by industry experts and featuring an “ask the experts” panel drew over 60 attendees. At the conclusion of the pre-conference seminar, the two day main conference featured 4 sessions covering new processes, new materials, new applications, and code and regulatory updates. Students from the Rutgers Chapter of the SPE participated in a poster session highlighting their undergraduate research studies during the supplier sponsored reception. Updates on PVC resin production trends as well as future plans for the Society of Plastics Engineers were presented during the opening keynote talks, and Alan Griff, a well-known plastics consultant and educator, gave a lunchtime keynote talk about “Why PVC is Good”.

At the Vinyl Division Business Meeting, held during the second day luncheon, the Palisades-New Jersey Section was well represented with two members receiving awards. First, Jason Lyons of Arkema won Best Paper, Vinyltec® 2015 which discussed how Dynamic Mechanical Analysis could be used to predict mechanical properties of rigid PVC articles. Finally, Mark Lavach was awarded the Contributions to Vinyl Award in recognition for his technical contributions to the vinyl industry. Previous Contributions to Vinyl awardees include: Waldo Semon (*inventor of PVC Resin*), Paul Daniels and Allen Godwin (*contributions to the development of PVC plasticizer technology*), Len Nass (*Editor, Encyclopedia of PVC Technology*) and Jim Summers (*PVC Morphology Development*).





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UPCOMING MEETING DATES	
Oct. 16-18, 2016	Polymer Nanocomposites Conference *sponsored by Leigh Section
Oct. 20, 2016	Section Meeting
Dec. 8, 2016	Section Meeting
Jan. 19, 2017	Tentative Meeting at Stevens
Feb. 16, 2017	Section Meeting
March, TBD	Meeting at Rutgers
April 20, 2017	Section Meeting
May/June, TBD	Awards Meeting

For Polymer Nanocomposites Conference, click link below
[GO to Polymer Nanocomposites Conference](#)

COUNCILOR'S REPORT



I attended committee and council meetings at the Delta Hotel in Quebec City, Quebec, Canada on 19-21 August, 2016. I offer the following highlights of these meetings, but, as always, encourage members to access the SPE website to find for further details and supporting information. With the advent of The Chain, access for all members of

SPE is readily available. A detailed draft of the minutes for the 20-21 August meetings has already been posted for review by Council and approval during our next meeting and can be found on The Chain.

After Council, I opened with reporting that the inclusion of the new e-membership program now approximately 8,000 has grown total SPE membership to over 21,000. Concerned that e-membership does not add to membership revenues, HQ is still working on other plans and programs to further increase paid membership and other revenue sources. In line with that goal, a motion was made and approved to increase annual membership dues to \$155 per year effective 1/1/17. A July YTD financial update confirmed that SPE is not meeting financial budget on membership numbers. This coupled with about a \$100K negative impact that will result from the new rebate pass through supported the increase in annual dues.

In other areas, HQ, via volunteer task forces, is in the process of establishing new Pinnacle Award metrics and guidelines to be rolled out at ANTEC® 2017. HQ is also accessing the viability of organizing and running TopCons in subject areas where they are not currently being offered as another potential income stream and is also working on the 2017 budget as required by the recent establishment of a continuing 3-year operating plan. President Owens presented an update on the newly developed Governing Body (GB) which will replace the current Executive Committee (EC). The only difference since the last Council meeting was to increase the term on the executive board from two years to three. Council has approved this new governing model which will take effect at the 2017 ANTEC® Council meeting. It was also noted that this change created a huge task for the Bylaws and Policies Committee, headed by Bruce Mulholland, who provided an extensive review of the numerous Bylaws and Policies that had to be changed to support the new GB. Motions were made and passed in support of all of these changes.

During the CCOW meeting, we learned that the Imperial College (*London, England*) has requested to establish a Student Chapter and that, after 2 years reverted to provisional status, a motion was made and passed to move this chapter to abandoned status effective next month. We also learned that eight sections have not been compliant (*met minimum requirements*) in 2016, six sections have been moved to provisional status and both the Benelux and France sections are closing unless enough interest is maintained for them to merge. The small bit of good news is that there are four new international sections in the process of being formed. Divisions are currently fairly stable, but numerous Sections are in serious danger of closing. We also learned during CCOW that Rochelle Lemieux, for personal reasons, has asked to step down from her newly elected VP position. As a result, Rodney Joslin (*current Chair of Sections Committee*), who narrowly lost the VP election, will replace Rochelle. When Council reconvened I was elected Chair of Sections Committee, replacing Rodney Joslin.

Managing Director Russell Broome and IT Manager Allan Lee gave an introductory presentation on data generating software available to SPE membership called Dashboards. The example they used that will be the first Dashboard to be available will pull detailed membership data and will be provided to the designated contact person of each Section and Division on a monthly basis beginning October 1, 2016. This data will be the basis for providing the Section and Division quarterly rebates.

We also had a two-hour breakout session where members of Council, in groups of 5-6 discussed how to improve the future of one of two topics: Membership or ANTEC®. Council then reconvened and some of the ideas were presented. All ideas will be summarized, documented and made available on the Chain for further refinement and potential action.

The next scheduled Council meeting is scheduled as a teleconference on December 7, 2016 at 11:00 AM Eastern Time. President Owens is also looking into the possibility of another face-to-face Council meeting in late January or early February of 2017.

Tom Martin

BOARD OF DIRECTORS AND COMMITTEE LIST

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Emeritus Director

Jay Kotak	RK Tech	Director	732-447-3093	rktech@att.net
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