



# The SPE Press

www.socalspe.org

January 2017

The Southern California Section of the Society of Plastics Engineers  
Local information on resources and education available to plastics professionals

**Date:** Thursday,  
January 19, 2017

**Jagerhaus Restaurant**  
525 East Ball Road,  
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## Advances in Silicone Technology for Medical Applications



Silicone is a highly versatile synthetic polymer which tends to show up in multiple markets, especially medical device and applications. OEM's and engineers alike value silicone for its adaptability and use in various devices, both implantable and single-use components. Southern California SPE is excited to host representatives from NuSil out of Carpinteria, California to discuss the advances in silicone technology with a focus on the medical device industry. For over 35 years, the NuSil brand has set the global standard in medical and space-grade silicones, advancing purity and quality while redefining customary expectations. NuSil continues to think outside the box by expanding their innovations in the drug delivery, skin care and even electronics industries, finding new solutions to some of the most difficult challenges.

The presentation will focus on advances and new developments in Silicone Technology with emphasis on medical applications.

The speakers from NuSil have years of experience and expertise in plastics, silicone, and medical applications and are highly regarded by those in their industries. SPE is fortunate to have a company and individuals with such stellar reputations help educate the plastics community on the advances and techniques involved with silicone.

## PRESIDENT'S MESSAGE



Happy New Year! We would like to wish all of you a happy, healthy and prosperous New Year. The beginning of the year brings with it the inherent feeling of a fresh start. It's both retrospective and hopeful, all in one! As we reflect on our accomplishments from last year, it is important to celebrate and gain momentum from the successes of last year to inspire us for the year ahead.

This past year, our section has been selected as a Pinnacle Gold Award and Communications Excellence Award winner. Not only is this a great honor because it acknowledges the uniqueness of our chapter's accomplishments, but perhaps more importantly, because it highlights the sustained commitment and loyalty of our members. We had great technical seminars and a successful education night, a fun and profitable golf outing, two informative molding workshops, a good plant tour and a successful Western Plastics Trade Fair. We know our work would not be possible without the support of our members and sponsors and for this we would like to thank each one of you.

As we move forward into 2017, we are planning many exciting events. What a better time than now to continue to get involved and participated in events and activities in SoCal SPE. Something to consider as you start the New Year:

- Attend SoCal SPE Technical Seminars and Workshops. Our first technical seminar "Advances in Silicone for Medical Applications" will be held on January 19th at Jagerhaus restaurant in Anaheim. We invite you to attend.
- Encourage your colleagues to join SPE and participate in our technical programs and networking events. As always, new members are welcome to attend our meetings and learn about our activities and programs.

If you have any ideas, thoughts or suggestions for the upcoming year, please reach out to us. We look forward to seeing you at our events and wish you all a healthy and prosperous new year.

Tuan Dao  
President, SoCal SPE  
(714) 692-9492

## Why Join SPE?

Whether you're a plastics scientist or engineer, a business owner, marketing/sales expert, or any other professional in plastics, SPE membership can help you advance your knowledge and your career. The information you need to increase efficiency and productivity, develop your career, and add to your company's bottom line is literally right at your fingertips.

The Society of Plastics Engineers is home to nearly 20,000 plastics professionals in more than 70 countries around the world. SPE is the "go to" resource for plastics technical information.

### Each Month, we will explore one of the six key benefits of becoming SPE.

- Plastics InSight – A customized to your need Weekly Newsletter
- SPE Material database – Access "Tons" of material in the world of Plastics
- Registration Discounts – on over 40 conferences and local meetings and events
- **Plastics Engineering Magazine – Free subscription to leading**
- SPE Online Technical Library -
- The Chain – Where Plastics Professional connect and get answers

Last month, we explored how an SPE member can take advantage of registration discounts and save enough money to offset the cost of the membership.

This month we will talk about another key benefit of being a member – a free subscription to Plastics Engineering magazine.

PE is a magazine with one purpose: to convey industry information to industry professionals in as succinct format as possible. Looking for a monthly industry magazine that will bring you up to speed on products, services, and industry events? Look no further. Plastics Engineering magazine delivers more visibility: more products/services are readily discernible by readers; all contributors' information is presented in a direct, quick-read format; and advertisers' display ads are positioned to give the readers a look at what these companies have to offer and a direct means for reaching them.

Check it out for yourself: <http://www.plasticsengineering.org/>





## Councilor Report

### Quebec City Council Meeting October 19-21, 2016

#### Vishu Shah, So Cal SPE Section Councilor Consultek Consulting Group

This year's fall council meeting was held in Quebec City, Canada. Over 60 members of the council from all over the world and Senior Governance attended the meeting.

In my last report, I talked about the transformation SPE has been going through for past four years. The focus has been on modernizing the website, developing social networking platform, improving communication, globalization, streamlining operation, attracting young generation and focusing on student activities, e-membership, and much more. In short, the major emphasis is on delivering value to the members. Naturally, the council (the governing body of SPE) has focused on implementation and refinement of these new ideas. I am happy to report that all the activities are transformation efforts have been successfully implemented.

The new interactive service "The Chain" (touted as the linked-in of Plastics professionals) has been operational and more professionals are joining daily. The Chain is an online community platform with tools to link people for topical discussions so you can find the information you need while developing a broader professional network. These communities are designed to provide awareness of SPE activities, promote member interaction and engagement, and facilitate work activity for SPE leadership and staff. Tech Talk, which is part of The Chain, is a good way to get answers to questions and find out about technical items. SPE's new website is dynamic, vibrant, interactive and full of valuable technical information and videos. If you have not been there, please check it out at [www.4spe.org](http://www.4spe.org)



I also wrote about the new e-mail based Newsfeed was launched called “Plastics Insight”. The newsfeed is dubbed as SPE’s answer to the industry’s request for a more focused delivery of critical information. This will be delivered to free subscribers every Saturday morning. This resource is a focused way to get the most recent data regarding the areas of interest for the plastics industry. To personalize your newsletter, simply select the industries, markets, processes, materials, services and equipment of greatest interest to you at <http://www.4spe.myindustrytracker.com/en/top>.

During the council meeting, the Governance Restructuring plan was finalized and will be implemented in early 2017. The basic premise is: A small group of functionally qualified and accountable individuals will provide the necessary direction and oversight of Society governance matters thus enabling Chapters (i.e. Sections and Divisions) and Council to focus on projects consistent with the Society objectives (e.g. member value, education, etc.).

## Organizational Structure & Responsibilities

### Chapters

- Members belong to Chapters (Sections & Divisions) and/or the Society as a whole.
- Chapters elect Members to serve in various roles for chapter leadership/governance.
- Chapters conduct programs and/or perform work in the interest of Chapter Members and the Society as a whole.

### Council

- Leadership from each Chapter elects or designates one Member as their Council representative
- Council elects Members to designated positions within The Governing Body (where applicable)
- Council conducts programs and/or performs work in the general interest of the Society
- Council shall retain the authority to modify bylaws, policies, and overturn GB actions by action of a motion and subsequent vote during any Council meeting.

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### **The Governing Body**

- The Governing Body shall be comprised of Members elected by Council or by SPE Membership (as outlined below – see Governing Body)
- The Governing Body shall provide the direction and oversight of all Society governance matters (including but not limited to strategy, finance, investments, and coaching of SPE Management Staff, and may create, amend, or abolish all policies)
- Council shall retain authority to over-turn material decisions of the Governing Body by action of a motion and subsequent vote at any Council meeting.
- The Governing Body conducts programs and/or performs work in the interest of the Society as a whole
- The SPE President shall be designated the Chair of The Governing Body
- Unless delegated otherwise, the SPE President shall be designated as the primary contact between SPE Leadership and SPE Staff

### **Committee**

- Committees are comprised of Members which are designated by the bylaws, SPE President, or Committee Chair according to the Committee Charter
- Committees are generally formed to perform ongoing duties outlined by the bylaws, policies, or the 3 year Operating Plan
- Committees shall include at least one member of The Governing Body as an active participant (preferably the Chair where possible)
- Committee Members should typically expect long term assignments of at least one year in duration
- (see List of Proposed Committees below)

### **Task Force**

- Task Forces are generally formed to assist The GB or SPE Staff to accomplish specific initiatives
- The scope for Task Force activity shall be described by the 3 year Operating Plan or subsequent action by the GB
- Task Forces are generally comprised of Members designated by the SPE President, the Chief Staff Executive and/or the Task Force Chair
- Task Forces are generally chaired by a Member or Staff member under the direction of the GB or the Chief Staff Executive
- Task Force members should typically expect to accept assignments of less than one year duration.

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### **SPE Staff**

- The Chief Staff Executive (CSE) shall have full responsibility and authority regarding SPE Staff
- SPE Staff conducts programs and/or performs work in the interest of the Society as a whole
- The CSE shall adjust Staff resources as necessary to ensure effective Society operations.

Finally, many changes have been made to the by-laws and policies of the mainly to facilitate the transition to the governance model. All presentations, discussions and activities during the council meeting can be found and easily accessed by visiting “Chain” on the SPE website.

Warm Regards,  
Vishu Shah  
October 5, 2016

**FOR YOUR INFORMATION**

## **SPI & SPE Announce New Membership Program** **for Plastics Industry Brand Owners**

*Partnered Offering Will Provide Unique Access to Both Associations*

**November 9, 2016, WASHINGTON, D.C.** - The Plastics Industry Trade Association (SPI) and SPE (Society of Plastics Engineers) today announced the creation of a new, partnered membership program for plastics industry original equipment manufacturers (OEMs) or brand owner companies. This new program will grant employees of companies that belong to SPI's Brand Owners Council premium SPE memberships, with VIP access to all benefits. This new, hybrid membership will go into effect January 1, 2017 for employees of all current and newly-registered SPI brand owner company members.

"We have been growing our brand owner membership over the last few years, and are hopeful that our new membership offering with SPE opens the door to more resources, including career development and educational opportunities," said SPI President and CEO William R. Carteaux. "Our members who represent the other facets of the supply chain – including equipment, materials and processor companies – share the sentiment that brand owners, who reach consumers, must have a seat at the table to discuss concerns and share ideas about the plastics industry."

Brand owner companies will gain access to SPI's incomparable business, supply chain and advocacy offerings while their employees gain access to SPE's extensive educational, technical and networking opportunities. Ultimately, this joint program will allow both organizations to leverage and showcase their respective strengths while building a stronger value proposition for their traditional membership base.

"I am proud to be able to offer this new program to the OEMs and brand owners of our great industry," said SPE's Managing Director Russell Broome. "This initiative will provide these key stakeholders strong engagement with SPE's vast network of plastics industry experts across the entire supply chain. Having immediate access to the latest processing, material and equipment innovation is vital in order to maintain their reputation with the ultimate consumer."

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Better Industry. Better World. The Industry Is Evolving and So Are We

For almost 80 years, SPI: The Plastics Trade Industry Association has been providing education and advocacy to our members. As the plastics industry grows and evolves, the audience expands. And to continue to drive the industry forward for decades to come, our board of directors made a decision to evolve our purpose-driven organization.

That's why today, we're introducing our new brand—Plastics Industry Association; PLASTICS for short. As well as a new tagline, "Better Industry. Better World." It's simple. It's straightforward. And it defines who we are: a forward-thinking association that believes in making a positive impact.

In the changing world of plastics, we have to stay relevant. We're looking to grow and support sustainability. We're helping to find active solutions to make recycling easier. We're working to help others learn how to operate in an environmentally friendly way. We're helping the industry grow while also promoting new technology through our trade shows and conferences. And we're giving our members a clear way to talk about our association.

We're not a society. We're not an acronym. We are an association that helps to create possibilities and shape the future of the industry.

We are PLASTICS. Let's show the world what we can do, together.



In this new section of our Newsletter, all SPE members are and their employers are welcome to post Position Wanted or Seeking Employment three times per calendar year at no cost. All Newsletter advertisers are also welcome to post advertisement six times per calendar year.

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## 2017 "Wonders of Plastics" Essay Contest



Society of Plastics Engineers

The Society of Plastics Engineers (SPE) presents the 17th annual "Wonders of Plastics" essay contest. Open to all middle/junior high and high school students, the essay must be sponsored by a teacher and must meet certain requirements (see Requirements for Submission, p 2).

Who may participate:

Any high school student from the Southern California Section of SPE is encouraged to participate. A particular call is made for industry members that may know a high school student that may want to participate (son/daughter, nephew, neighbor, etc.). The Southern California Section of SPE covers from San Luis Obispo in the north, to the border in the south to the border with Arizona in the East.

Topics to consider

**The Southern California Section is requesting essays covering the realm of Green Plastics or how Plastics Benefit Society. Example topics include but are not limited to:**

Renewable Plastics    Plastics in Food Packaging    Biodegradable Plastics  
Plastics Recycling    How Plastics Benefit Mankind    Medical Plastics  
Advances in Plastics    How Plastics Save Energy    Your Own Plastics Topic

All essay submissions must be received at the SPE Section address, listed below, along with the entry form, by the announced deadline.

In the past the awards have been \$500 for first place, \$250 for second place, and \$100 for third place. The students school receives a matching award as well.

Entry forms may be copied, but each essay must be attached to a form; essays will not be returned and become the property of SPE. Essays may be co-authored.

Submit your Essay or questions to  
SPE Southern California Section  
Victor Okhuysen  
3801 W. Temple Ave. Bldg 17-2635  
Pomona, CA 91768  
Tel: 909/869-2698  
Email: [vfokhuysen@cpp.edu](mailto:vfokhuysen@cpp.edu)

**Entry must be postmarked by deadline of January 15, 2017!**

**[CLICK HER FOR MORE INFO AND TO APPLY](#)**

**MEMBERSHIP SPOTLIGHT****SoCal SPE Wants YOU to Become a Member**

The SPE Southern California Section is, for a limited time, offering one FREE registration to a single, exclusive local technical event for those who sign up for an SPE Membership! To be eligible for this special offer, visit our website @ [socalspe.org](http://socalspe.org) to check out the event calendar and register as an SPE Member! Once a member, you will be sent a voucher to bring to the SoCal SPE event of your choice! Offer also applies to expired memberships. Don't let this opportunity pass you by, become an SPE member today!

For questions, contact Ashley Price at 562-217-1377 or [aprice@ethorn.com](mailto:aprice@ethorn.com).

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Contact us to find out more about these and other iD Additives' products.

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## EDUCATION

### The College of the Extended University, Cal Poly, Pomona Plastics Engineering Technology Certificate Program

#### Plastics Theory and Practice

*Plastics Theory and Practice* is part of an ongoing certificate program offered by the College of the Extended University at Cal Poly Pomona. The four-course program provides practical instruction applicable to materials, processing, product design and tooling.

##### Why should you attend?

This short course is designed for professionals entering the field of plastics desiring to acquire the basic knowledge of Plastics industry in general. Plastics Theory and Practice is also suitable for individuals in plastics sales, purchasing, marketing and management positions that do not possess a technical, engineering or scientific background. This course should also be valuable for technical, scientific and engineering personnel, either entering the field of plastics or interest-ed in broadening their knowledge of materials and processing techniques. The objective of the course is to expose partic-ipants to the basics and point them in right direction so that they can obtain more information through websites, books and periodicals to further enhance their career. The PowerPoint presentation used in the course is descriptive and practical and presented in simple, easy to understand language without being extremely detailed or technical. It is widely illustrated with animations, diagrams and photographs.

##### Who should attend?

Sales and marketing personnel, engineers, product and tool designers, purchasing managers, plant managers, tool makers, molding supervisors, quality assurance personnel and anyone who wants to acquire basic knowledge of plastics in general and/or take a refresher course on the subject.

##### Content

Polymer structure properties and applications Processing techniques  
Plastics terminology Plastics tooling, Plastics processes  
Product design basics Assembly and secondary operations  
Material selection process Decorating and printing  
Testing and failure analysis Interpreting data sheets  
Plastics industry standards Plastics identification  
Plastics recycling

In addition, students will receive a variety of useful handouts showing How and Where to get more detailed information concerning a variety of plastics-related topics.

*Continued on page 11...*



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Date(s)	Saturdays, February 11 and February 18, 2017
Course Time	8:00 a.m.-5:00 p.m.
Location	Cal Poly Pomona, Bronco Student Center, Lyra Suite
Fee	\$375
Special Pricing	A 10% discount is offered on all non-credit courses based on the following: • Current Cal Poly Pomona Alumni Association members with proper ID • Current Cal Poly Pomona faculty and staff with proper ID
Course Status	Non-credit
Textbook	None
Syllabus	There is no syllabus available for this course
Instructor	<a href="#">Vishu H. Shah</a>
Course Code	PET120

Registration: [www.cpp.edu/~ceu/index.shtml](http://www.cpp.edu/~ceu/index.shtml)

For more information call: College of the Extended University 909-869-2288 or  
Instructor 909-465-6699

### **Comments Provided by Students**

- Great course, very instructional...love the PowerPoint notes
- The instructor uses examples that are relevant to my industry/field
- The overall explanation of the basics of Plastics was very clear and concise, explained in plain English without having to use big and sophisticated words to explain theory or function
- The course's major strength was instructor's ability to relate to real life experience
- Very Practical – I highly recommend to anyone new to plastics industry
- Hand-outs are great, I refer to them on regular basis

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### **Who Should Attend?**

Engineers, R&D Scientists, Technicians, Technical Sales & Support, Academics, Students, Managers, along with anyone involved in the plastics industry.

### **Who Participated in 2016?**

[Companies who attended ANTEC® 2016](#) | [Companies who presented at ANTEC® 2016](#)

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## SPE Southern California Leadership



<b>SPE Leadership</b>		
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Director: Tom Tudor, Hi-Tech Instruments	909-647-5515	<a href="mailto:TomTudor@socalspe.org">TomTudor@socalspe.org</a>
Director: Suhas Kulkarni, FIMMTECH	760-525-9053	<a href="mailto:suhas@fimmtech.com">suhas@fimmtech.com</a>
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Golf Outing Chair: Kerry Kanbara, Premier Industries	909-906-2332	<a href="mailto:kerry@piustech.com">kerry@piustech.com</a>
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Education Committee Chair: Victor Okhuysen, Cal Poly Pomona	909-869-2698	<a href="mailto:vfokhuysen@csupomona.edu">vfokhuysen@csupomona.edu</a>
Tech Program Chair: Suhas Kulkarni/Vishu Shah, FIMMTECH/Consultek	760-525-9053	<a href="mailto:suhas@fimmtech.com">suhas@fimmtech.com</a>
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Buyers Guide Committee Chair:		
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Awards Committee Chair: Markus Lettau, Engel	951-278-5660	<a href="mailto:Markus.Lettau@engelglobal.com">Markus.Lettau@engelglobal.com</a>
Special Events Chair: Matthew Dauphinee, Mission Plastics	909-947-7287	<a href="mailto:mdauphinee@missionplastics.com">mdauphinee@missionplastics.com</a>



## 2016-2017 YEAR CALENDAR [www.socalspe.org](http://www.socalspe.org)

SEPTEMBER 2016						
S	M	T	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

September 15

Evening Technical Meeting

Robots, Collaborative

6:00 PM  
Jagerhaus, Anaheim

MARCH 2017						
S	M	T	W	Th	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

March 23

EDUCATION NIGHT 6 PM  
TBD  
Norwalk

OCTOBER 2016						
S	M	T	W	Th	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

October 20

Plant Tour

6:00 PM  
Torrance, CA

APRIL 2017						
S	M	T	W	Th	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

April 20

Evening Technical Meeting

3D printing Update

6:00 PM  
Jagerhaus, Anaheim

NOVEMBER 2016						
S	M	T	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

November 14



Molding 2016 Workshop

Milacron Tech Center  
Irvine

MAY 2017						
S	M	T	W	Th	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

May 8-9-10

SPE ANTEC

Hilton  
Anaheim

DECEMBER 2016						
S	M	T	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

December 6

SPE Networking Reception  
Featuring Greg LeMond

JUNE 2017						
S	M	T	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

June 22



Annual Golf Outing

JANUARY 2017						
S	M	T	W	Th	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

January 19

Evening Technical Meeting

Advances in Silicone  
Technology for Medical  
Applications

Jagerhaus, Anaheim

JULY 2017						
S	M	T	W	Th	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					



Happy 4th!

FEBRUARY 2017						
S	M	T	W	Th	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

February 16

Workshop

Autodesk/Moldflow 2016

TBD  
Irvine

AUGUST 2017						
S	M	T	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

August 17

Phoenix Club  
Anaheim

\*All meetings are held on third Thursday of the month unless otherwise noted