

# Polymer Valley News

The Newsletter of the Akron Section of the Society of Plastics Engineers  
Our 58<sup>th</sup> Year of Education and Service to the Plastics Industry

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## Costs, Schedules, Reservations

Member and/or guest	\$25
Retired	\$20
Student	\$5
New Member - first meeting	Free

Social / Networking / Bar 5:30 p.m.  
Dinner 6:00 p.m.  
Program after dinner - 6:45 p.m.

Reservations must be in by noon on Friday, Jan. 8 and can be made to Gary Taylor at akronspe1@gmail.com or 330-419-4380

Please be sure to include the company affiliation of each attendee including dietary restrictions.

## Technical Meeting

**Monday, January 11, 2016**

**5:30 p.m.**

**NASA**

**Hilton Inn**

**3180 West Market Street**

**Akron, Ohio 44333**

### To Mars and Back - Extreme Engineering

Janet Kavandi, Deputy Director, Glenn Research Center



## Joint Meeting with ACCESS



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**Coming Up:**

➤ February 8 – RTP: Very Long Fiber

See page 3 for Janet Kavandi biography

Jan. 2016, Page 1



# President's Message

Happy New Year !

We had a strong fall and have many more interesting and exciting continuing education opportunities to come for our members in the Akron and Cleveland Sections this spring.

Our September Bio-Mimicry meeting, October's SIPA presentation on new blow mold technology and November's Beaumont Technologies presentation on melt flow of materials were very educational, interesting and well attended. The attendance at Vinyltec hosted by the Akron section exceeded our expectations. Our holiday celebration at the Tavern of Richfield was a fun way to network with experts in the plastics industries. We have increased our student participation and membership in 2015 and look forward to introducing more students to our society and the benefits they can enjoy as members. We have an exciting year ahead!

Next Up: On January 11 we will host a joint meeting with ACCESS (a consortium of scientific and engineering societies in the Akron), with a presentation by a former NASA astronaut and current Deputy Director of the Glenn Center in Cleveland on Extreme Engineering and NASA's plans for Mars. This is an exciting "not to miss" event that will allow you to network with members of Akron District Society of Professional Engineers (ADSPE), Akron Physics Club (APC), American Chemical Society (ACS), American Institute of Chemical Engineers (AIChE), American Society of Civil Engineers (ASCE), American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), American Society of Mechanical Engineers (ASME), American Society of Safety Engineers (ASSE), Archaeological Institute of America (AIA), Association for Computing Machinery (ACM), Institute of Electrical and Electronic Engineers (IEEE), Microscopy Society of Northeast Ohio (MSNO), Rubber Division, American Chemical Society, Society of Manufacturing Engineers (SME), and your host the Society of Plastics Engineers (SPE).

On February 8, Cleveland will host RTP in Fairlawn with a presentation on using long fiber to replace metal with plastic and will be followed on March 14 with a tour and presentation on solar power at Case Western University. On April 11 we will host the first teacher/ industry collaboration event, to help teachers get the word out about careers in plastics. We finish the year with recognition on May 9.

All meetings will be held jointly with the Cleveland Section except for our separate Award Nights. Note that meetings will be held in the Akron Fairlawn Hilton on West Market Street on the second Monday of each month unless otherwise indicated. I think you will find the programs educational, varied and fun. Please come to learn, participate, and enjoy the camaraderie and make new connections that can help you in your career.

To close, we always need fresh faces on our Board of Directors, so if you want to be thoroughly involved with the many Section activities, please get back to me ([kpelfrey@neo.rr.com](mailto:kpelfrey@neo.rr.com)) and we will be glad to sign you up!

Have a GREAT SPE YEAR.

*Keith Pelfrey,*  
President 2015-2016 Akron Section of SPE  
330-255-6557 [PelfreyK@GOJO.com](mailto:PelfreyK@GOJO.com)

## Speaker Biography

A patented chemist turned astronaut, Janet Kavandi (pronounced kuh-VON-dee) was named deputy director of NASA Glenn Research Center in early March.

Janet Kavandi was born Janet Lynn Sellers in Springfield, Mo. She earned a bachelor's degree in chemistry at Missouri Southern State College-Joplin, a master's in that subject from the University of Missouri-Rolla and a doctorate in analytical chemistry from the University of Washington-Seattle. In 1995, Kavandi became an astronaut. She flew on the Space Shuttle three times and spent a total of more than 33 days in space. After 10 years as an astronaut, she began moving up in NASA's administration. She served as director of flight crew operations at the Johnson Space Center in Houston.



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## Directions to Akron Hilton, 3180 West Market Street, Akron, Ohio 44333

### From Cleveland Hopkins Airport

Take 480 East to I-77 South. Exit at #138 to Fairlawn. Turn right on Ghent Rd. Follow south for two miles. The Hilton is at the intersection of West Market Street (Rt. 18) and Ghent Road. Turn Right on West Market Street. Hotel is located on the left.

### Driving South on I-77

Exit at #138 to Fairlawn. Turn right on Ghent Rd. Follow south for two miles. The Hilton is at the intersection of West Market Street (Rt. 18) and Ghent Road. Turn Right on West Market Street. Hotel is located on the left.

### Driving North on I-77 (From Akron/Canton Airport)

Exit at #133 – Ridgewood/Miller Rd. Go straight through the exit for approximately 2 miles. Turn left on Market Street (2 blocks). The Hotel is located on the left

### Driving North or South on I-71

Take Route 18 – Medina Exit #218. Drive east on route 18 approximately 10 miles. The Hilton will be located on the right side opposite the Summit Mall

### Ohio Turnpike

Take the Cleveland/Akron I-77 Exit #173 off the Ohio Turnpike. Take I-77 south to exit #138 to Fairlawn. Turn right on Ghent Rd. Follow south for two miles. The Hilton is at the intersection of West Market Street (Rt. 18) and Ghent Road. Turn Right on West Market Street. Hotel is located on the left.

**The Akron Polymer Training Center (APTC)**  
at The University of Akron provides short courses  
for the plastics, rubber, medical, corrosion,  
and adhesives and coatings industries.



### APTC plastics courses include:

- Understanding Plastic Material Properties in Analyzing and Preventing Product Failures
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- Complete Injection Molding
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- Rubber and Plastics Failure Analysis – Physical and Chemical Analysis Techniques
- Plastic Material Selection and Testing
- Plastic Part Failure Analysis
- Chemistry and Technology of Polymeric Materials used in Medical Devices
- Validating Medical Molding Processes and Parts
- Color Theory and Applications

The  
University  
of Akron

Visit [uakron.edu/aptc](http://uakron.edu/aptc) for a complete list of APTC courses.

Customized training programs are also available. Contact APTC at 330-972-8303 or [lbettinger@uakron.edu](mailto:lbettinger@uakron.edu)

# Polymer Valley News

## Technical Meeting

**Monday, February 8, 2016**

**5:30 p.m.**

### **RTP Company**

**Hilton Inn**

**3180 West Market Street**

**Akron, Ohio 44333**



### **VLF – Very Long Fiber – Metal to Plastic Replacement**

**Frank Flavin, Applications Development Engineer**

#### *Costs, Schedules, Reservations*

Member and/or guest	\$25
Retired	\$20
Student	\$5
New Member - first meeting	Free
Social / Networking / Bar	5:30 p.m.
Dinner	6:00 p.m.
Program	after dinner - 6:45 p.m.

Reservations must be in by noon on Friday, Feb. 5 and can be made to Dan Crist at [mail@cmd-tip.com](mailto:mail@cmd-tip.com) or 330-225-8080

Please be sure to include the company affiliation of each attendee including dietary restrictions.

Frank Flavin is a plastics professional with 30 years of industrial experience.

Areas of expertise include injection molding, mold filling analysis, structural analysis, part design, tooling and materials.

Frank is a graduate of the University Lowell, Plastics Engineering program.

His work experience includes Dow Chemical, GM, Celanese and RTP as their Central Region Applications Development Engineer.

## Membership report – November 2015

**Akron Section has 317 active members. Twelve new members added in November.**

### Month Active - Added

Jan	299 - 3
Feb	301 - 5
Mar	298 - 1
Apr	298 - 2
May	291 - 4
Jun	- 1
Jul	- 3
Aug	304 - 7
Sep	- 8
Oct	307 - 3
Nov	317 - 12

Gaurav Amarpuri  
University of Akron - Student  
Akron, OH

Sheila Benson  
A. Schulman  
Akron, OH

Sonal Bhadauriya  
University of Akron - Student  
Akron, OH

Kate Biter  
MTD Products  
Valley City, OH

Anisa Cobaj  
University of Akron - Student  
Akron, OH

Jim Farwell  
Custom Plastic Solutions LLC  
Broadview Heights, OH

Chongwen Huang  
University of Akron - Student  
Akron, OH

Xiang Ji  
The University of Akron  
Cuyahoga Falls, OH

Wan-Hua Lin  
University of Akron - Student  
Akron, OH

Marcos Pantoja  
University of Akron - Student  
Akron, OH

Nicholas Teo  
University of Akron - Student  
Akron, OH

Marisa Tukpah  
University of Akron - Student  
Akron, OH

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ChemCeed - Vinyltec Bronze Sponsor	9
David Industrial Sales	3
Dover Chemical	12
Dow - Vinyltec Gold Sponsor	13
Eastman - Vinyltec Silver Sponsor	3
Harwick Standard	8
Kaneka – Vinyltec Silver Sponsor	9
Omya – Vinytec Diamond Sponsor	11
PMC - Vinyltec Gold Sponsor	7
Polysort	12
Struktol – Vinyltec Silver Sponsor	6

*Picture your ad here .....*

*And also on our updated [www.akronspe.org](http://www.akronspe.org)*

## Technical Assistance

**For technical polymer questions  
please use the SPE International  
forum “The Chain”**

**For local questions please contact  
the officers at  
[akronspeweb@gmail.com](mailto:akronspeweb@gmail.com)**





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## 2016 Pittsburgh SPE Winter Events

<https://drive.google.com/file/d/0B--8NWjblc-kX0JvV1duUnY5bTA/view?pli=1>

### January:

Time: TBD

Location: TBD

### Silicone Design & Molding Symposium

This presentation will provide an overview of silicone molding, what it will take to get started with silicone molding, and comparison to injection molding for companies who are interested in entering the silicones market.

### March:

Time: TBD

Location: TBD

### Finances for Engineers:

**Michael Masilunas & Rylan Marx; Lincoln Investment Planning**

As a follow-up to last year's finances for engineers meeting we will discuss a variety of topics ranging from taxes, investments, health plans, college savings, & more.

Price:

\$20.00 for SPE members, \$25.00 for non-SPE members

RSVP:

[Pgh.spe+rsvp@gmail.com](mailto:Pgh.spe+rsvp@gmail.com)

Send Ideas to:

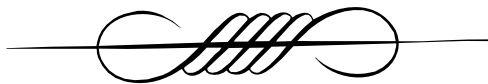
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More Info at:



## Akron Section SPE Past Presidents

57 years of  
excellence



1959-1960	Donald F. Siddall	1987-1988	Judith A. Fallon
1960-1961	Milan Krajcik	1988-1989	William E. Tosko
1961-1962	Foster J. Young	1989-1990	Robert C. Wegelin
1962-1963	Dickson L. Stoker, III	1990-1991	Geraldine R. Stromquist
1963-1964	Edward L. Hillier	1991-1992	Spencer Kreiser
1964-1965	John R. Russell	1992-1993	Robert C. Wegelin
1965-1966	John R. Russell	1993-1994	Anthony F. Dean, Jr.
1966-1967	Clyde H. Jones	1994-1995	Wayne Decamp
1967-1968	Alan Corry, Jr.	1995-1996	Melanie Stewart
1968-1969	Bernard M. Saffian	1996-1997	Kevin Hershfield
1969-1970	Harold R. Schick	1997-1998	David Schultz
1970-1971	Robert G. Hills	1998-1999	John Raab
1971-1972	John J. Satterfield	1999-2000	Gary Taylor
1972-1973	Alexis M. Gross	2000-2001	Kevin Malpass
1973-1974	Francis J. Maurer	2001-2002	Kenneth L. Sharp
1974-1975	Leverett A. Anderson, Jr.	2002-2003	Joseph E. Pfeiffer
1975-1976	Robert M. Hershey	2003-2004	Robert C. Wegelin
1976-1977	Richard L. Fleshman	2004-2005	Joseph Mattingly
1977-1978	David Curtis	2005-2006	Lloyd A. Goettler
1978-1979	John A. Zelek, Jr.	2006-2007	John Woodside
1979-1980	Gerald W. Whitnable	2007-2008	Vivian Malpass
1980-1981	Kathleen N. Bechter	2008-2009	Joseph Mattingly
1981-1982	Victor E. Giuffrida	2009-2010	David A. Katz
1982-1983	James Steiner	2010-2011	Lloyd A. Goettler
1983-1984	Robert G. Hills	2011-2012	David Schultz
1984-1985	Anthony F. Dean, Jr.	2012-2013	Kevin Malpass
1985-1986	Gene Buser	2013-2014	Dan Jones
1986-1987	Harry J. Barth	2014-2015	Vivian Malpass
		2015-2016	Keith Pelfrey

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- Marketing support
- Extended customer access
- Joint development projects



## LOGISTICS

- Optimized supply chain
- Flexibility
- Local warehousing



## MARKETS

- Building Materials
- Polymers
- Life Sciences
- Paper



**The Akron Section is in  
need of New Board Member.**

**Please consider becoming a  
Board Member  
to help support your Section.**

**Contact anyone currently  
on the board (see page 19)**

**if you are interested.  
Thank You!**

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Heath Colvin, Midwest Regional Sales Manager

Phone: 330-243-6158; Fax 330-365-3929

Email: [heath.colvin@doverchem.com](mailto:heath.colvin@doverchem.com)

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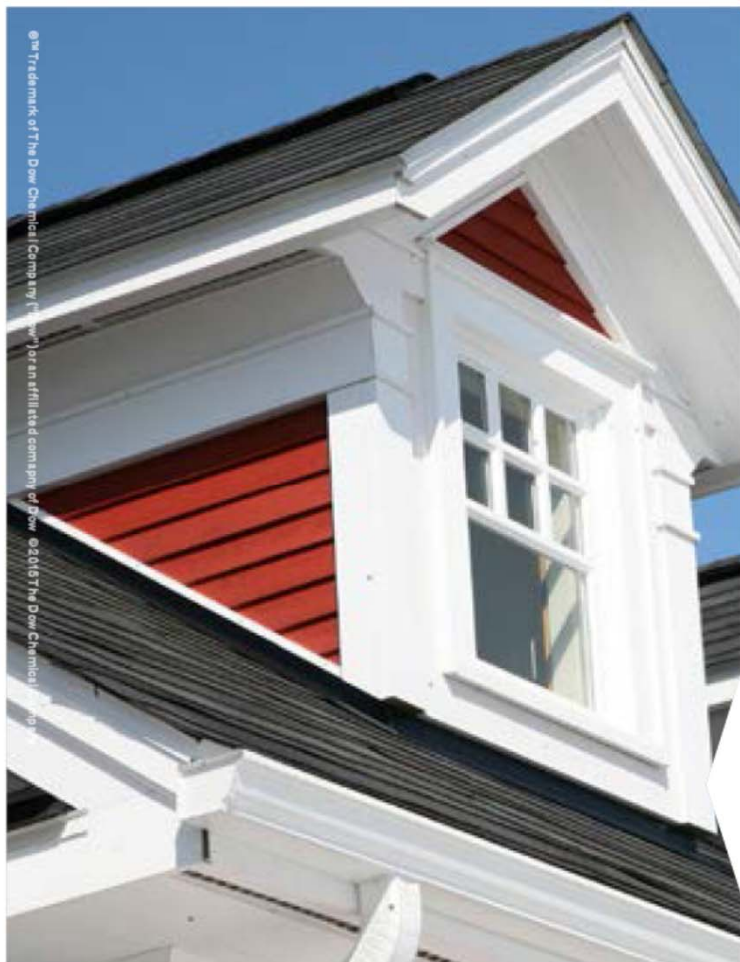
Tel. 330.665.5918 ext. 2104

E-mail John Inama at [johni@polysort.com](mailto:johni@polysort.com)

  
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## Goals for Akron Section SPE for 2015/2016

- We will partner with the Cleveland section to increase joint average monthly meeting attendance from 46 in 2014-15 to 49 by June 1 2016 by providing compelling diversified programming.
- Increase involvement with U Akron Student Chapter to increase student attendance at our Section Meetings and functions by 5% over 2014-15.
- Increase the use of social media including our website, Linked In and Face Book by creating a compelling story that will attract new members. This year will establish baseline for number of website hits.
- Increase new member recognition by 80% over 2014-2015 by personally contacting and welcoming them to our Society, both when joining and at first meeting they attend.
- Increase Section membership from 291 in 2014/15 on June 1 2015 to 294 on June 1 2016 by better promotion of SPE membership value on social media and by providing compelling events.
- Work closely with the Vinyl Plastics Division to host a very successful Vinyltec TOPCON in October 2015 and prepare for the Elastomers TOPCON in 2016. Event will earn more than cost to fund the sections other non-profit activities.
- Effectively participate with joint Society meetings and activities such as ACCESS, ACS and others to share event notifications and increase SPE meeting attendance over 2014-2015.
- Improve our recruitment efforts to increase the number of board members from 14 to 16 by June 1 2016.



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# Thermoplastic Elastomers

## Thermoplastic Elastomers Conference 2016

Stretching Performance with TPE's

September 20-22

Hilton-Akron/Fairlawn

Akron, OH

## CALL FOR PAPERS

The SPE TPE SIG & Akron Section invite the submission of abstracts for presentation at the 12<sup>th</sup> TPE Topical Conference.

### Presenting the latest in:

- ◆ Market Trends & Economic Outlook
- ◆ TPE Material Developments
- ◆ Application Developments
- ◆ Advances in Processing Technologies
- ◆ Innovations in Design & Development

Please submit paper title, abstract, author/presenter name and affiliation to:

**William Blasius**

774-545-0990

wgblasius@gmail.com

or

**Mark Berard**

225-776-6013

mark.berard@tsrc-global.com

### Deadlines:

Abstract Submissions: January 31, 2016

Completed Papers: June 30, 2016

[www.4spe.org](http://www.4spe.org)



# AKRON SECTION SOCIETY OF PLASTICS ENGINEERS

## Nomination Form - Election of Candidates to The Plastics Hall of Honor

Election to the **Plastics Hall of Honor** is conferred upon Akron area men and women who meet the following criteria:

1. Displayed exceptional effort and accomplishment in the field of Plastics and Polymers.
2. Displayed extraordinary dedication over many years that has contributed to the growth of the plastics industry.
3. Has not received national or international recognition.

The **Plastics Hall of Honor** seeks to recognize individuals for their quiet service, loyalty and support over the years. They are the unsung heroes, the everyday foot soldiers of our industry - area employers, employees and educators whose accomplishments are lacking only in recognition.

If you personally know such a deserving candidate, please forward your nomination to the selection committee, using this or any mailer.

Name of Nominee (include title) \_\_\_\_\_

Address \_\_\_\_\_ Phone No. \_\_\_\_\_ City \_\_\_\_\_

State \_\_\_\_\_ Zip code \_\_\_\_\_

Present affiliations (Plastics, including dates and positions held) \_\_\_\_\_

Former affiliations (Plastics, including dates and positions held) \_\_\_\_\_

Specific contributions (Patents, publications, etc. to plastics industry) \_\_\_\_\_

Related Plastics activities (Clubs, Organizations) \_\_\_\_\_

Brief statement supporting the candidate (Attach additional pages, if necessary) \_\_\_\_\_

### Membership in SPE not required to Nominate or to be Nominated

Name of Nominator \_\_\_\_\_ Signature \_\_\_\_\_

Address \_\_\_\_\_ Phone \_\_\_\_\_

**PLEASE MAIL THIS FORM TO ARRIVE BY APRIL 22, 2016 to:**  
**Bob Wegelin                      13206 Kaufman Ave. NW                      Hartville, OH 44632**  
**PHONE: 330-414-1498**

E-mail questions to [robert.wegelin@att.net](mailto:robert.wegelin@att.net)

Honorees will be installed in the Plastics Hall of Honor at the Annual SPE awards night 2016  
 Their names and photographs will be displayed in the Plastics Hall of Honor within the University of Akron

*Nominate a co-worker, employer, teacher, media person, leader, or any unsung hero who deserves this honor!*

## 2015 Award Recipients

### **Rubbermaid Scholarship**

*Matthew McGarry*  
Shawnee State University

### **Ken Sharp Memorial Scholarship**

*Connor O'Brien*  
Virginia Polytechnic Institute and State  
University

### **Goodyear Scholarship**

*Joshua Dambik*  
The University of Akron

### **Jim Steiner Memorial Scholarship**

*Johnathon Mileski*  
The Ohio State University

### **SPE – Special Merit Scholarships**

*Dan Truax*  
Case Western

**Scholarships  
Available**

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Company

Rubbermaid

Kenneth L Sharp Memorial  
Scholarship

Jim Steiner Memorial  
Scholarship

SPE - Akron Section  
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Engineers  
Akron Section

Educational  
Foundation



2016  
Scholarship  
Program  
Information

Please visit <http://www.akronspe.org/education.htm> for more information and to download the application form.



## Background

The purpose of the Akron Section of the Society of Plastics Engineers Scholarship Program is to promote knowledge in polymer science, engineering, and technology. Started in 1988, it has awarded over \$300,000 to area students. Preference is given to students enrolling in two- and four-year programs with a focus on plastics and polymers.

Scholarships up to \$3000 per year will be awarded and can be used for tuition, books, laboratory fees, and other educational costs necessary to earn a certificate or associate or baccalaureate degree in preparation for a career in polymers.

## Selection Criteria

1. Scholastic Achievement
2. Interest in a plastics career
3. Extracurricular activities
4. Financial need
5. Two letters of reference from instructors or supervisors. (to be included with application)
6. Residence within area covered by Akron SPE.

## First-time Applicants

Interested students from local high schools, technical, and vocational schools, and area colleges are encouraged to fill out the attached SPE Scholarship Application form, including the essay, references, and current transcript. Students are encouraged to discuss their interests in plastics

All scholarships are awarded for one year with option for renewal. The awards are for full-time students only. Co-op students are also eligible.

**Scholarship applications  
should be sent to:**

**Akron SPE  
Attn: Kevin Cavicchi  
250 S. Forge St.  
Akron, OH 44325-0301**

**- OR -**

**kac58@uakron.edu**

**Deadline is March 18, 2016.**

## Renewal Applicants

Renewal Instructions:

1. Maintain a minimum **2.5/4.0** grade point average or equivalent.
2. Submit grade reports and course selections demonstrating polymer-related curriculum prior to start of next semester.
3. Apply for renewal scholarship using SPE application form. (References and essay are not required for renewal.)

Names of scholarship recipients will be distributed to donor companies for possible internship or cooperative programs.

The number of scholarships awarded per year will be variable depending on the number of qualifying applicants.

Please visit <http://www.akronspe.org/education.htm> for more information and to download the application form.



# 2016 Scholarship Application & Renewal Akron Section - Education Foundation

1. Applicant Name: \_\_\_\_\_
2. Your Home Address: \_\_\_\_\_  
City: \_\_\_\_\_ Zip: \_\_\_\_\_ Home Phone: \_\_\_\_\_
3. Your Address at School: \_\_\_\_\_  
City: \_\_\_\_\_ Zip: \_\_\_\_\_ School Phone: \_\_\_\_\_  
Your Email address: \_\_\_\_\_
4. Current School: \_\_\_\_\_  
Course of Study: \_\_\_\_\_  
Cumulative GPA: \_\_\_\_\_
5. School/College to be attended: \_\_\_\_\_  
Proposed Course of Study/Major: \_\_\_\_\_  
Expected Degree: \_\_\_\_\_ Expected Graduation Year: \_\_\_\_\_

## **New Applicants Only, please continue:**

6. Please briefly describe how you intend to finance your education: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. Current and Past School Activities: (attach separate sheet or resume if necessary – 1 page only please)\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
8. On a separate sheet of paper, type a short discourse (no more than two pages) describing your enthusiasm and interest in pursuing a career in plastics, as well as how your intended field of study will help you achieve your career goals.
9. Have **two** (and only 2) academic references (instructors or supervisors) provide the committee with a letter documenting their insights on your scholastic achievements and potential for future success in the fields of plastics and polymers. Attach these references to this application.

**All applications must include a current transcript.**

**All Applicants return application by March 18<sup>th</sup>, 2016 to the following address:**

**Akron SPE  
Attn: Kevin Cavicchi  
250 S. Forge St  
Akron, OH 44325-0301**

For questions, please contact Kevin Cavicchi, phone: 330-972-8368, or email [kac58@uakron.edu](mailto:kac58@uakron.edu)

# Programs for 2015 / 2016

Sept. 14	<b>University of Akron</b> Biomimicry - Leveraging 3.8 Billion Years of Innovation <i>-- Hilton Fairlawn – Akron*</i>	Jan. 11	<b>NASA</b> To Mars and Back – Extreme Eng. <i>-- Hilton Fairlawn – Joint with ACCESS*</i>
Oct. 12	<b>SIPA of Italy</b> Xtreme and Extreme Sincro, SIPA’s Revolutionary Preform Manufacturing Technology & Design <i>-- Hilton Fairlawn – Akron*</i>	Feb. 8	<b>RTP</b> VLF – Very Long Fiber – Metal to Plastic Replacement <i>-- Hilton Fairlawn – Cleveland*</i>
Oct. 13-15	<b>Vinyltec TOPCON</b> <i>-- Hilton Fairlawn – Akron*</i>	Mar. 14	<b>Case Western Reserve Univ., Tour</b> Solar Power <span style="float: right;"><i>-- Cleveland*</i></span>
Nov. 9	<b>Beaumont Technologies</b> True Melt Flow of Polymers <i>-- Hilton Fairlawn – Cleveland*</i>	Apr. 11	<b>Industry / Teacher Collaboration</b> SPE / University of Akron What do Polymer Engineers Do? How Do We Get the Word Out to Students <i>-- Hilton Fairlawn – Akron*</i>
Dec. 7	<b>Holiday Celebration</b> SPE – History and Plans for the Future <i>-- Taverne of Richfield – Joint*</i>	May 9	<b>Akron Section Awards Night</b> <i>-- Hilton Fairlawn – Akron</i>

*Meetings are joint with Cleveland Section with host section denoted by \**

## Akron Section Board of Directors

Keith Pelfrey	330-255-6557 T
GOJO Industries	330-255-6114 F
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Director, Awards	

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Director, Student Chapter SPE Liaison	

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Student - U Akron Polymer Eng.	330-258-2339 F
Director, Student Chapter Advisor	ymin@uakron.edu

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Retired	robert.wegelin@att.net
Director, Education Foundation, House	

Tony Dean	330-929-9916 T
Retired – Director, Public Interest, Advertising	francis@neo.rr.com

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Education	kac58@uakron.edu

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Director	sahil.gupta@parker.com

Joe Mattingly	330-962-5299 T
Goodyear Tire & Rubber Co.	330-896-7379 F
Director	joe@mattingly.us



# Akron Section Society of Plastics Engineers Educational Foundation



1-16

The Akron Society of Plastics Engineers Educational Foundation operates exclusively for the benefit of and to carry out the purposes of the Akron Section of the Society of Plastics Engineers, which is to promote scientific and engineering knowledge relating to plastics by making educational scholarship grants to deserving students in the field of plastics engineering and related subjects. The Organization is supported primarily by contributions from the Akron Society of Plastics Engineers, the Society's individual members and corporations like yours affiliated with the polymer industry.

Since the inception in 1988, the Akron Society of Plastics Engineers Educational Foundation has grown to its current position through the hard work of many volunteers and the generosity of the local business community. Over the twenty-seven years that the foundation has been in existence, it has provided scholarships to over 250 young men and women totaling in excess of \$320,000 to assist them in furthering their careers in the polymer industry.

Our goal is to continue to grow the assets of the Foundation in order to increase the number of scholarships awarded, as well as the size of the awards, and to do so in perpetuity. In doing this, we hope to be able to contribute to the supply of well-trained individuals to support the growth of the polymer industry in the Northeast Ohio area today and well into the future.

When the Foundation began its fund raising activities in 1988, we offered those companies who contributed \$30,000 a scholarship in their name. To date we have five named scholarships, Newell/Rubbermaid, Goodyear, Ken Sharp Memorial and Jim Steiner Memorial scholarships. We are asking your company to help with the growth of well-trained individuals in the local polymer industry. Please print this page, fill out the information and mail it to Bob Wegelin, 13206 Kaufman Ave. NW Hartville, OH 44632.

## **Akron SPE Scholarship Donation Commitment**

- \$30,000 lump sum. \_\_\_\_\_
- \$10,000/yr. next 3yrs. \_\_\_\_\_
- \$5,000/yr. next 6 yrs. \_\_\_\_\_
- Other: \_\_\_\_\_

Company name: \_\_\_\_\_

Contact person: \_\_\_\_\_

Ph. # or email: \_\_\_\_\_

Our named scholarship donors are recognized at the annual Awards Night of the Akron Society of Plastics Engineers. We invite you to present your tax deductible donation at our Awards Night, which is scheduled on May 9, 2016.

We are looking forward to your support of this very worthwhile cause by your fine company. Please contact me at (330) 414-1498 with any questions. Thank you for your consideration.

Sincerely,

*Bob Wegelin, Foundation Chair*

*Akron Section Society of Plastics Engineers, Educational Foundation*





## Who Can Help You Society of Plastics Engineers

6 Berkshire Blvd., Ste 306, Bethel, CT 06801

Phone: +1 203.775.0471

[www.4spe.org](http://www.4spe.org)

Academic Outreach	Marjorie Weiner	+1 978.618.5496	<a href="mailto:mweiner@4spe.org">mweiner@4spe.org</a>
Annual Awards	Kathy Schacht	+1 203.740.5430	<a href="mailto:kschacht@4spe.org">kschacht@4spe.org</a>
ANTEC Booth Sales	Chuck Herrholtz	+1 770.576.4974	<a href="mailto:cherrholtz@naylor.com">cherrholtz@naylor.com</a>
ANTEC Conference Management	Barbara Spain	+1 203.740.5418	<a href="mailto:bspain@4spe.org">bspain@4spe.org</a>
ANTEC Paper Submission	Barbara Spain	+1 203.740.5418	<a href="mailto:bspain@4spe.org">bspain@4spe.org</a>
ANTEC Conference Sponsorship	Barbara Spain	+1 203.740.5418	<a href="mailto:bspain@4spe.org">bspain@4spe.org</a>
The Chain	Liz Martland	+1 203.740.5425	<a href="mailto:lmartland@4spe.org">lmartland@4spe.org</a>
Change of address	Customer Relations	+1 203.740.5403	<a href="mailto:customerrelations@4spe.org">customerrelations@4spe.org</a>
Communications	Sarah Sullinger	+1 203.740.5425	<a href="mailto:ssullinger@4spe.org">ssullinger@4spe.org</a>
Communications Excellence Award	Kathy Schacht	+1 203.740.5430	<a href="mailto:kschacht@4spe.org">kschacht@4spe.org</a>
Conference Sponsorship (TopCons)	Sue Wojnicki	+1 203.740.5420	<a href="mailto:swojnicki@4spe.org">swojnicki@4spe.org</a>
Dues Renewals and New Members	Customer Relations	+1 203.740.5403	<a href="mailto:membership@4spe.org">membership@4spe.org</a>
Employment Advertising	+1 888.491.8833 At prompt please press 4. The extension is 1063		<a href="mailto:customerservice+64639@support.boxwoodtech.com">customerservice+64639@support.boxwoodtech.com</a>
Fellow & Honored Service Nominations	Kathy Schacht	+1 203.740.5430	<a href="mailto:kschacht@4spe.org">kschacht@4spe.org</a>
Governance Liaison	Kathy Schacht	+1 203.740.5430	<a href="mailto:kschacht@4spe.org">kschacht@4spe.org</a>
Managing Director	Russell Broome	+1 203.740.5471	<a href="mailto:rbroome@4spe.org">rbroome@4spe.org</a>
Membership Processing/Questions	Customer Relations	+1 203.740.5403	<a href="mailto:membership@4spe.org">membership@4spe.org</a>
Membership Programs/Retention	Bonnie Kaczowski	+1 203.740.5428	<a href="mailto:bakaczowski@4spe.org">bakaczowski@4spe.org</a>
Mobile App – SPE Events	Scott Marko	+1 203.740.5442	<a href="mailto:smarko@4spe.org">smarko@4spe.org</a>
Pinnacle Award	Kathy Schacht	+1 203.740.5430	<a href="mailto:kschacht@4spe.org">kschacht@4spe.org</a>
<i>Plastics Engineering</i> magazine advertising	Roland Espinosa	+1 201.748.6819	<a href="mailto:respinosa@wiley.com">respinosa@wiley.com</a>

Sections, Divisions & Special Interest Group Administration	Kathy Schacht	+1 203.740.5430	<a href="mailto:kschacht@4spe.org">kschacht@4spe.org</a>
SPE Foundation / Scholarships & Grants	Gene Havel	+1 203.740.5457	<a href="mailto:ghavel@4spe.org">ghavel@4spe.org</a>
SPE Industry Resource Guide		+1 800.816.6710	<a href="mailto:spe@multiview.com">spe@multiview.com</a>
Student Chapters	Scott Marko	+1 203.740.5442	<a href="mailto:smarko@4spe.org">smarko@4spe.org</a>
Topical Conference Planning	Sue Wojnicki	+1 203.740.5420	<a href="mailto:swojnicki@4spe.org">swojnicki@4spe.org</a>
Topical Conference Registration	Sue Wojnicki	+1 203.740.5420	<a href="mailto:swojnicki@4spe.org">swojnicki@4spe.org</a>
Webinars (non.registration)	Barbara Spain	+1 203.740.5418	<a href="mailto:bspain@4spe.org">bspain@4spe.org</a>
Event Registrations	Customer Relations	+1 203.740.5403	<a href="mailto:customerrelations@4spe.org">customerrelations@4spe.org</a>
Website Administration	Pedro Matos	+1 203.740.5438	<a href="mailto:pmatatos@4spe.org">pmatatos@4spe.org</a>

# SPE MEMBER BENEFITS GUIDE



FREE TO MEMBERS

	BENEFIT	DESCRIPTION	WEBSITE LINK
NETWORKING	Business Networking Resources	Connect to industry experts	<a href="http://www.4spe.org/cc">www.4spe.org/cc</a>
	Local Section Affiliation	Network with members locally in over 75 countries	<a href="http://www.4spe.org/communities/sections">www.4spe.org/communities/sections</a>
	Online Membership Directory	Unlimited access provides the link to fellow members	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>
	Technical Affiliation	24 Divisions represent major industry specialties	<a href="http://www.4spe.org/communities/divisions">www.4spe.org/communities/divisions</a>
MEDIA	Newsletters	News & events about specific local & technical affiliations	<a href="http://www.4spe.org/communities/newsletters">www.4spe.org/communities/newsletters</a>
	<i>Plastics Engineering (PE)</i>	The official monthly publication of SPE	<a href="http://www.4spe.org/pub">www.4spe.org/pub</a>
	SPE Online	Your 24/7 source for Society information	<a href="http://www.4spe.org">www.4spe.org</a>
	Tech Focus	Monthly electronic newsletter offering society & industry news	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>
TECHNICAL	Online Technical Library	Searchable database of technical articles & conference papers	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>
	Message Forums	Online question & answer forum	<a href="http://www.askpip.com">www.askpip.com</a>
	Special Interest Groups	Emerging areas not currently covered by technical Divisions	<a href="http://www.4spe.org/communities/divisions/#sig">www.4spe.org/communities/divisions/#sig</a>
	SPE Journals	Read abstracts from our three technical journals	<a href="http://www.4spe.org/pub/journal">www.4spe.org/pub/journal</a>
CAREER	American Management Association	Through a partner alliance, access AMA's educational resources	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>
	Awards	Outstanding contributions recognized	<a href="http://www.4spe.org/awards">www.4spe.org/awards</a>
	Leadership Development	The opportunity to improve professionally & personally	<a href="http://www.4spe.org/communities/leadership">www.4spe.org/communities/leadership</a>
	Online Career Development	Career enrichment, job openings & resume database	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>
	Professional Recognition	Distinguished grades of membership recognize accomplishments	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>
	Scholarships & Grants	Awarded by The SPE Foundation	<a href="http://www.4spe.org/foundation">www.4spe.org/foundation</a>
	Student Benefits	Over 100 Student Chapters in nine countries	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>
	Unemployment Services	Benefits for the unemployed member	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>

SAVINGS TO MEMBERS

	BENEFIT	DESCRIPTION	WEBSITE LINK
TRAINING	ANTEC	Largest annual technical conference in the industry	<a href="http://www.antec.ws">www.antec.ws</a>
	Career Coaching	For-a-fee services for career enhancement	<a href="http://www.4careersolutions.org">www.4careersolutions.org</a>
	e-Learning Center	Online self-paced courses, live & archived presentations	<a href="http://www.4spe.org/elearning">www.4spe.org/elearning</a>
	In-plant Training	Seminar instruction at member's company	<a href="http://www.4spe.org/training/seminars">www.4spe.org/training/seminars</a>
	Seminars	Expert instruction on current plastics topics	<a href="http://www.4spe.org/training/seminars">www.4spe.org/training/seminars</a>
	Technical Journals	Subscribe to peer-reviewed articles. Available online and in print	<a href="http://www.4spe.org/pub">www.4spe.org/pub</a>
	Topical Conferences	Targeted at specific technical & management disciplines	<a href="http://www.4spe.org/conf">www.4spe.org/conf</a>
	Training Products	Developed by SPE & other leading providers. Some Spanish titles	<a href="http://www.4spe.org/training/products">www.4spe.org/training/products</a>
	OTHER	Career Transition Services	Outplacement program offered to member's company
Group Health Insurance		Health, disability & life insurance at attractive group rates	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>
Online Job Posting		A source for companies to find qualified staff	<a href="http://www.4careersolutions.org">www.4careersolutions.org</a>
SPE BookStore		Discounts on 250+ reference books & training products	<a href="http://www.4spe.org/training/products">www.4spe.org/training/products</a>
SPE/MBNA Credit Card		SPE Platinum Plus Mastercard® (US & Canada only)	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>

WEBSITE LINKS SUBJECT TO CHANGE - CHECK [WWW.4SPE.ORG](http://WWW.4SPE.ORG) FOR FULL BENEFITS

## **WHY JOIN ?**

*It has never been more important to be a member of your professional society than now, in the current climate of change and volatility in the plastics industry. Now, more than ever, the information you access and the personal networks you create can and will directly impact your future and your career.*

### **Active membership in SPE:**

- **keeps you current**
- **keeps you informed**
- **keeps you connected**

**The question really isn't "why join?" but**

**WHY NOT?**





**Akron Section Society of Plastics Engineers**  
Tony Dean, Advertising Manager  
330-929-9916

---

**Website, E-Blast & Newsletter Advertising**

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**Insertion Order 2015-16**

Polymer Valley News: Akron Section SPE Newsletter  
Delivered via email, stored at <http://www.akronspe.org/newsletter.htm>

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Please check ad size wanted. One column is 3-7/8" wide.

This is the 57<sup>th</sup> year of the Akron SPE Section and rates are for entire season, September 2015 – Summer 2016. **Payable in Advance. Please let me know if you need an invoice.**

Ad format must be electronic (but we can scan your original artwork). File size should be limited based on the size of the ad ordered. Oversized ads will be charged an additional fee. Acceptable formats are .bmp, .pcx, .jpg, .tif, .gif, or MS PowerPoint or Word (if you have any issues with format, please email us and we can provide assistance). **Color is Free! Color helps your ad stand out!** All ads included in newsletter, email blast and web site.

**Email artwork and this Insertion Order (completed) as an attachment to [francis@neo.rr.com](mailto:francis@neo.rr.com)**

If you don't include your email address, we have no way of sending you each issue!

<b>(please X)</b>	<b>Ad Size</b>	<b>Dimensions</b>	<b>Price for year</b>
	Business Card	One column by 2" high	\$100
	Double	One column, 2 to 4" high	\$150
	Triple	One column, 4 to 6" high	\$200
	Half Page	One column, 10" high	\$250
	Half Page	Page width (7.5"), 5" high	\$250
	Hotlink to company website	N/A	No Charge

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Email address: \_\_\_\_\_

**Mail checks, payable to AKRON SECTION SPE, to:**  
Akron Section SPE  
c/o Tony Dean  
Akron SPE  
250 S. Forge Street  
Akron, OH 44325-0301



# Society of Plastics Engineers

6 Berkshire Blvd., Suite 306  
Bethel, CT 06801-1065 USA

# Membership Application

PH: 203-775-0471 • Fax: 203-775-8490  
www.4spe.org • membership@4spe.org

## Contact Information *Please print clearly*

First Name (Given Name) \_\_\_\_\_ Middle Name \_\_\_\_\_

Last Name (Family Name) \_\_\_\_\_

Company Name/University Name (if applicable) \_\_\_\_\_

Mailing Address is:  Home  Business      Gender:  Male  Female (for demographic use only)

Address Line 1 \_\_\_\_\_

Address Line 2 \_\_\_\_\_

Address Line 3 \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_

Country \_\_\_\_\_ Zip/Postal Code \_\_\_\_\_ Phone \_\_\_\_\_

Preferred Email (This will be your member login and is required for usage of online member services) \_\_\_\_\_

Alternate Email \_\_\_\_\_

Date of Birth (*Required for Young Professional membership*) \_\_\_\_\_

Graduation Date (*Required for Student membership*) \_\_\_\_\_ Job Title \_\_\_\_\_

## Membership Types *Check one*

- Student: \$31** (Graduation date is required above)
- Young Professional: \$99** (Professionals under the age of 35. Date of birth is required above)
- Professional: ~~\$144.00~~ \$129** (Includes \$15 new member initiation fee)

Choose 2 *free* Technical Division and/or Geographic Section Member Groups. →

1. \_\_\_\_\_ 2. \_\_\_\_\_

Additional groups may be added for \$10 each. Add Special Interest Groups at no charge.

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

Dues include a 1-year subscription to *Plastics Engineering* magazine-\$38 value (non-deductible).  
SPE membership is valid for 12 months from the date your membership is processed.

## Payment Information *Payment must accompany application. No purchase orders accepted.*

Check Enclosed    Amount \_\_\_\_\_

Charge:  Visa     Mastercard     American Express      Expiration Date: \_\_\_\_\_

Account Number: \_\_\_\_\_

Amount Authorized: \_\_\_\_\_    CSC#: \_\_\_\_\_      Last 3 digits from the back of MC/Visa.  
4 digits from the front of AMEX.

Cardholder's Name (as it appears on card): \_\_\_\_\_

Signature of Cardholder: \_\_\_\_\_

## Payment by Wire Transfer Instructions

You **must** include account number +ABA number + bank fees.  
Please include the Member ID# and Name so we may apply payment to the correct person.

**USD:** WELLS FARGO: 108 Federal Road, Danbury, CT 06811 USA  
ACCT #2681786097    ABA #121000248    SWIFT CODE #WFBIUS63

The SPE Online Member Directory is included with membership. Your information is automatically included unless you indicate otherwise.

- \_\_\_\_\_ Exclude my email address from the Online Membership Directory
- \_\_\_\_\_ Exclude all my information from the Online Membership Directory
- \_\_\_\_\_ Exclude my address from 3rd party mailings

By signing below, I agree to be governed by the Bylaws of the Society and to promote the objectives of the Society. I certify that statements made in the application are correct and I authorize SPE and its affiliates to use my phone, fax, address and email to contact me.

Signature \_\_\_\_\_ Date \_\_\_\_\_

## Technical Division Member Groups - Connect with a global community of professionals in your area of technical interest.

- Additives & Color Europe - D45
- Applied Rheology - D47
- Automotive - D31
- Blow Molding - D30
- Color & Appearance - D21
- Composites - D39
- Decorating & Assembly - D34
- Electrical & Electronic - D24
- Engineering Properties Structure - D26
- European Medical Polymers - D46
- European Thermoforming - D43
- Extrusion - D22
- Flexible Packaging - D44
- Injection Molding - D23
- Medical Plastics - D36
- Mold Making & Mold Design - D35
- Plastics Environmental - D40
- Polymer Analysis - D33
- Polymer Modifiers & Additives - D38
- Product Design & Development - D41
- Rotational Molding - D42
- Thermoforming - D25
- Thermoplastic Materials & Foams - D29
- Thermoset - D28
- Vinyl Plastics - D27

## Geographic Section Member Groups - Network with local industry colleagues.

- Alabama/Georgia-Southern
- Asean\*
- Australia-New Zealand
- Benelux
- Brazil
- California-Golden Gate
- California-Southern California
- Caribbean
- Carolinas
- Central Europe
- China
- Colorado-Rocky Mountain
- Connecticut
- Eastern New England
- France
- Hong Kong
- Illinois-Chicago
- India
- Indiana-Central Indiana
- Israel
- Italy
- Japan
- Kansas City
- Korea
- Louisiana-Gulf South Central
- Mexico-Centro
- Michigan-Detroit
- Michigan-Western Michigan
- Middle East
- Nebraska
- New Jersey-Palisades
- New York
- North Carolina-Piedmont Coastal
- Ohio-Akron
- Ohio-Cleveland
- Ohio-Miami Valley
- Ohio-Toledo
- Oklahoma
- Ontario
- Oregon-Columbia River
- Pennsylvania-Lehigh Valley
- Pennsylvania-Northwestern Pennsylvania
- Pennsylvania-Philadelphia
- Pennsylvania-Pittsburgh
- Pennsylvania-Susquehanna
- Portugal
- Quebec
- Spain
- Taiwan
- Tennessee-Smoky Mountain
- Tennessee Valley
- Texas-Central Texas
- Texas-Lower Rio Grande Valley
- Texas-North Texas
- Texas-South Texas
- Tri-State
- Turkey
- United Kingdom & Ireland
- Upper Midwest
- Utah-Great Salt Lake
- Virginia
- Washington-Pacific Northwest
- West Virginia-Southeastern Ohio
- Western New England
- Wisconsin-Milwaukee

\*Asean: Indonesia, Malaysia, Phillipines, Singapore, Thailand, Cambodia, Laos & Vietnam

## Special Interest Groups - Explore emerging science, technologies and practices shaping the plastics industry. Choose as many as you would like, at no charge.

- Advanced Manufacturing / 3D - 033
- Bioplastics - 028
- Failure Analysis & Prevention - 002
- Joining of Plastics & Composites - 012
- Marketing & Management - 029
- Non-Halogen Flame Retardant Tech. - 030
- Plastic Pipe & Fittings - 021
- Plastics Educators - 018
- Plastic in Building and Construction - 027
- Quality/Continuous Improvement - 005
- Radiation Processing of Polymers - 019
- Reaction Injection Molding - 032
- Thermoplastic Elastomers - 006

Recommended by (optional) \_\_\_\_\_ ID# \_\_\_\_\_