

Polymer Valley News

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

Newsletter Contents

Meeting Announcement	1
Meeting Location Map	2
Advertiser Index	3
Technical Questions on Plastics	3
Goals for Akron Section	4
Membership Report	4
SPE Member Benefits	5
TOPCON Update	6
Akron Wins Awards	7
Vinyltec Sponsors	
Arkema - platinum	8
Omya - diamond	9
Board Minutes	10
Job Posting Notice	12
Akron SPE Past Presidents	13
March Highlights	15
Join the Board	17
2015-2016 Program	18
Akron Section Board Members	18
Hall of Honor form	19
SPE Educational Foundation	20
Who Can Help You at SPE	21
Member Benefits Guide	23
Insertion Order form – 2015/16	25
SPE Membership Application	26

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	Following dinner

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

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

Technical Meeting

Monday, April 11, 2016

5:30 p.m.

Industry / Teacher Collaboration

Hilton Inn

3180 West Market Street

Akron, Ohio 44333

POLYMER EDUCATION IN THE AKRON AREA

This meeting will focus on polymers in education. We have a great slate of speakers who will talk about their current efforts to teach about polymers, give their perspective on how polymers can be used to advance science, technology, engineering and math (STEM) education, and the opportunities for industry to engage in these activities.

Speakers

John Fellenstein

Content Specialist, Akron Global Polymer Academy

Dori Hess

Science Instructor, GlenOak High School and Stark State College

Missi Zender-Sakach

Science Content Consultant, Summit County Educational Service Center

Coming Up:

➤ May 9 – Awards Night

Apr. 2016, Page 1



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)

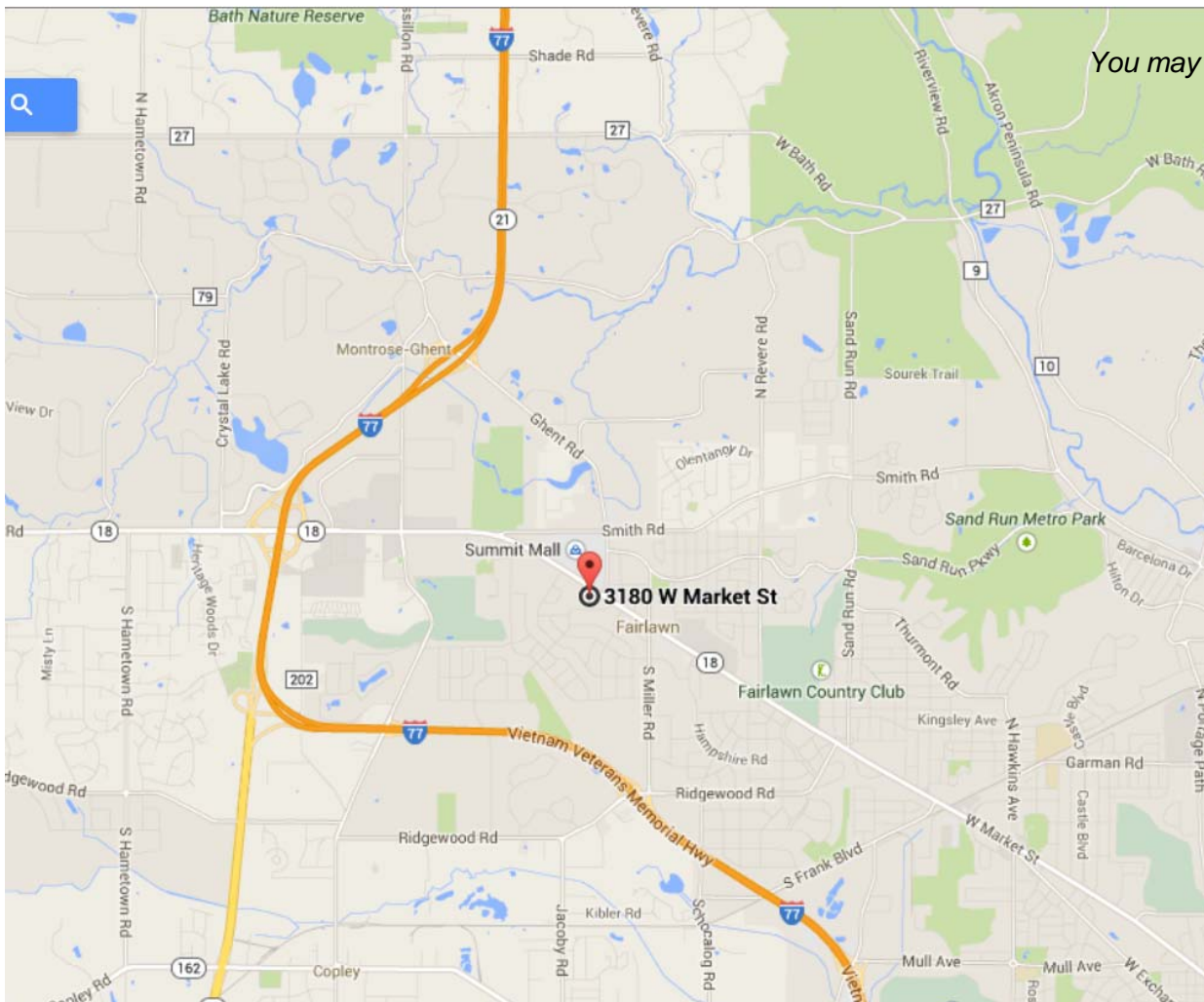
Exit at #133 – Ridgewood/Miller Rd. Go straight through the exit for approximately 2 miles. Turn left on Market Street (2 blocks). The Hotel is located on the left

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.



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Picture your ad here

And also on our updated 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**



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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Membership report – February 2016

Akron Section has 296 active members. Two new members were added in February.

Month Active - Added

Jan	302	1
Feb	296	2

Say "hello" to:

Shayne Bishop
LK Systems, Inc.
Akron, OH

Marle Fernandes
Timken
North Canton, OH



SPE Member Benefits: What Can They Do For You?

I received a call the other day from Teri Chouinard, new membership chair for the SPE Automotive Division. She told me that she would be attending an upcoming event for new members and wanted to review the SPE member benefits.

I logged into 4spe.org so I could use our homepage to help navigate our conversation. We talked about the launch of **THE CHAIN**, SPE's very own community forum, and how members were really finding it a benefit to exchange information on all technology aspects of our industry. They like being able to ask trusted sources for help on a technical problem or new innovations.

For people seeking more extensive support, they can find a specialist in various plastics fields on SPE's **Consultant Circle**. Or if they're simply looking for the newest detailed technology information, all SPE members can access SPE's **Online Technical Library**, which contains over 25,000 research and technical papers on materials, processes, applications, etc., in polymer and plastics technology. I told her the library grows each year with over 1,000+ new papers!

We spoke about how everyone in this day and age is so busy, and they have very little time to filter the right information about what's going on in their specific part of our industry. Several members had vocalized that they received way too many general newsletters and it would be a real benefit to them to get only the current industry happenings related to their technical area. I told her that's how **PLASTICS INSIGHT**, SPE's weekly fully customizable online report of current plastics industry happenings, came to be. You can customize the report, so you only receive the information that's relevant for you or your company.

We talked about SPE's publications **PLASTICS ENGINEERING magazine** and **SPE Technical Journals** both having a new look and feel. She commented that she noticed the magazine had more content as well.

Meanwhile, SPE members receive discounts on all of **SPE's conferences** around the world—about 40 events per year—and on other **education and training programs** through the SPE, such as weekly **Webinars**, and on our

Paulson Training, Pennsylvania College of Technology, and UL partnerships.

"SPE is partnering even more now," I said, "because we realize this really benefits our members."

SPE and SPI are partnering to offer **free membership for all U.S. students**. This allows students to package their SPE membership with an SPI electronic membership. This way, plastics students are networking with professionals before they even hit the workforce, making for a smoother transition at the start of their careers.

SPE has also partnered with Credible, an organization that **refinances student loans**, which gives SPE members and their families a simple, free service that can help them save money by comparing their options.

Teri especially liked it when I told her about SPE selling **HOP™** (Hands on Plastics™) **science education kits** now. We talked about how the kits contain everything needed to introduce K-8 students to the chemistry and characteristics of plastics in a classroom setting. I told her about the grandfather who purchased a kit because he volunteered to go into his grandchild's class and teach. He called me the day after to tell me the class was a success. He said it was quite easy to do because everything he needed, including the experiment instructions and the teaching tips, were in the kit.

We also spoke a bit about the **Industry-Academia Collaboration** committee, which connects the industry with the academic-research world for specific projects. Teri's daughter goes to one of the schools that received an equipment donation from a manufacturer. She commented on how important it is to her daughter's and other students' education for companies and universities to work together in other areas as well, like project collaboration and mentoring.

At the end of the call, I told her that if anyone had any questions or needed any more information on any of these benefits, to contact SPE staff. They would be happy to help!

Sue Wojnicki
Manager, SPE MarComm



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2016 TPE TOPCON Update

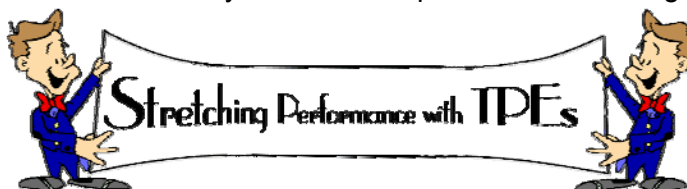
The 12th TPE TOPCON on September 20-22 at the Akron Fairlawn Hilton will be trying something different this year. We will be holding a half-day primer on TPE basics on Tuesday afternoon. This is targeted at newcomers to the TPE industry and also those involved in production, sales or marketing who can benefit from a better understanding of TPEs. The chemistry, performance properties, formulating and applications will be covered for commodity, engineering and specialty TPEs. The TPE primer is independent and requires a separate registration fee.

The Conference this year will feature bio-renewables, additives for performance enhancement, processing scale-up, 3D printing, wearable technology and the latest material developments. We currently have twenty-six abstracts for papers with speakers from both industry and academia, and two excellent lunch keynote speakers. We will also have a student poster session presenting student polymer projects from local universities which will be included in the exhibit area.

We are in the process of signing up exhibitors and the very important sponsors. Anyone interested in being a sponsor or exhibitor should contact Kevin Malpass at kevin.malpass@diebold.com or 330-490-4743.

This should be a very different TOPCON with a wide array of different topics. We are looking forward to seeing you in September.

*Viv Malpass,
General Chairman,
Akron Section*



Akron Section Wins Awards

Pinnacle – Gold Award

The Akron Section SPE has again earned the Pinnacle Gold Award from SPE Int'l. The SPE Pinnacle Award recognizes Sections and Divisions that work to create and deliver member value in four categories of achievement - organization, technical programming, membership and communication.

- Organization – Maintaining compliance with Section/Division organizational guidelines and policies.
- Technical Programming – Providing quality technical programming to members.
- Membership – Developing and implementing plans that result in annual membership growth.
- Communication – Communicating effectively with members about SPE offerings and events to foster a sense of community and allow members to respond.

Pinnacle - Silver is awarded to Sections and Divisions who demonstrate required activities in all four categories.

Pinnacle - Gold is awarded to Sections and Divisions who, in addition to meeting Pinnacle - Silver criteria, demonstrate superior performance in the Gold achievement categories.

The award will be presented to the section at ANTEC in May.

Communications Excellence Award

In addition, the Akron Section has again earned the Communications Excellence Award.

The purpose of the award is to recognize Sections, Divisions and Special Interest Groups (SIGs) that carry out highly effective communications with their groups and, optionally, with other parts of the Society during the course of the SPE year. It is intended to recognize all types and forms of communications as opposed to being focused on one medium or method of communication and information delivery.

It is not a competitive award. Rather, it is based on meeting or exceeding certain performance standards and accomplishment thresholds. Like the Pinnacle Award, it will be presented to the section at the ANTEC.

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- Paper



Minutes of Board Meeting – March 7, 2016

Call to Order: 5:30 PM

Present: Keith Pelfrey, Viv Malpass, David Schultz, Bob Weiler, Bob Wegelin, Marcos Pantoja, Gary Taylor, Kevin Cavicchi, Ashrita Nallapaneni, Sahil Gupta, Nicole Brostowitz and new BOD Member John Fellenstein

Absent: Tony Dean, Tom McQuaide, Kevin Malpass and Joe Mattingly

Please see following Agenda for Monday March 7 BOD meeting at 5.30pm at the U Akron Poly Eng Bldg:
Minutes of Feb 1 BOD meeting---Dave Schultz

Welcome to John Fellenstein- Content Specialist with AGPA- Akron Global Polymer Academy- Univ of Akron

Committee Reports:

Technical Program Review 2015-6--Keith Pelfrey, Bob Weiler

Program with Cleveland- RTP was well received and meeting is set for March 14- hosted by Cleveland at Case-Solar Power several BOD Members plan to attend..April 11 Meeting is set and reviewed status with Dr Cavicchi to include 3 speakers including John Fellenstein and Missi Zender Sakach, along with another local teacher at Hilton. The May Awards Night is set for Firestone CC.

House--Bob Wegelin

Requested review for venue for May Awards- confirmed Firestone CC, need to determine speaker several suggestions made to date and will be followed up by BOD Members- Keith Pelfrey and John Fellenstein.

Membership--Bob Weiler

Bob informs membership stands at 296 in March- need make sure we continue to welcome New Members, also to determine reasons for loss of several Akron Section members for beginning of year.

Sahil Gupta has agreed to take over as Membership Chair next year.

Sahil informs he should have modified Survey ready for Jenny for newsletter by late March.

Treasurer--Gary Taylor

Gary informs Balance sheet for month is in good order and has received his new chip reader for credit cards for meeting attendance

Councilor--Kevin Malpass

Kevin informed he will plan to attend at ANTEC in Indy both Council Meetings.

BOD voted to handle appropriate lodging- BOD to forward concerns for Kevin's review and providing to Council.

Major concerns- Membership along with Organization structure on schedule currently.

Student Chapter—Marcos Pantoja/Asritha Nallapaneni

Plans set and confirmed to have another drive to gain Student Chapter members March 9. In addition 3 students have shown interest to present and attend ANTEC. Akron Section can help defray expenses for ANTEC- May 2016 in Indianapolis. Marcos informs that they have submitted information to Intl for Student Chapter Award.

M Marcos and Asritha informed in April they were visiting Bridgestone Firestone- new Research Center.

Minutes of Board Meeting – March 7 (cont.)

Public Interest/Website-- Tom McQuaide/Tony Dean

BOD needs to review the potential re PR- Tony and Nicole will consider PR on past well received Jan Meeting with NASA including pictures and background to help lay ground work for future meetings- ABJ and Plastics News as targets

Need help from Students as ushers for Sept – TPE TOPCON- as well as Student Posters

Website Improvement/utilization--Tony Dean/ Nicole Brostowitz

Tony and Nicole requesting feedback as to how Facebook aligning has helped Akron Section website Keith Pelfrey has noted Job Openings with GOJO now posted on site –Are there other companies who would like to add to site?

Newsletter--Utilization/Advertisers--Tony Dean

No report.

Awards—Planning-Dan Jones/Keith Pelfrey

Keith informs that Pinnacle and Communications Awards have been completed Thanks to Dan Jones ,Tony Dean and Nicole Brostowitz and sent to Intl . We further reviewed Hall of Honor receipt as provided, Zekan Winner and Honored Service Member from our Section.

SPE/Section Award Planning 2016-7---All

Need to confirm any further work handle to-date by Dan Jones---Keith and Dave Schultz to handle
Need to confirm that Shrish Patel is the Hall of Honor winner so the family can make travel arrangements.

Education Committee--Improvement Actions for 2015-6--Kevin Cavicchi/Tom McQuaide

Kevin has informed that he would like to step down as Education Chair and in order to keep very important U of A connection would be having John Fellenstein replace him on BOD- John's background currently as AGPA liaison and past teacher fits very well with this position- we look forward to John help and ideas moving forward.

Kevin to transfer information on Students to Tom

Tom McQuaide has arranged with help of ACCESS to provide Awards to students at recent Science Fair- March 2016.

Still firming up PR type article- has been suggested to add information provided by Russell Broome from past Award Banquet along with contacts developed by ACCESS- via local regional contact at ESC- Cuy Falls and with Boards of Education, PTA, websites, local papers.

Education Foundation-- Funding from Section/Fund Raising Event for 2015-6--Bob Wegelin

Education Foundation meeting took place late Feb and monies were allotted to 2 different funds suggested by our Advisor which the Committee agreed upon.

TPE TOPCON- September 2016--Status—Viv Malpass/ Bob Wegelin

Viv reports that we are set first PR went out to SPE Membership- Feb 1 and final planning in place to have a TPE Primer-at Pre Conference.

Minutes of Board Meeting – March 7 (cont.)

New Business:

Preparation for Our Industry/teacher collaboration event

Selection of new awards planning director- Keith Pelfrey

Keith and Dave to review with Dan Jones current Section Awards as well as Intl Awards for this and next year

Kevin has informed he could continue yearly as this helps us meet Goals for 2015-16.

Adjournment

Meeting was adjourned at 6:45 p.m. Next BOD Meeting April 4 Univ. of Akron PEAC -5:30 PM

Final Meeting set for June 6th at Papa Joes for Wrap for year

The Akron SPE Section is happy to post local job openings in the plastics industry for 90 days for any member. Please contact a board member if you are interesting in posting.



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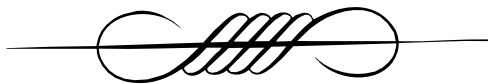
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1961-1962	Foster J. Young	1989-1990	Robert C. Wegelin
1962-1963	Dickson L. Stoker, III	1990-1991	Geraldine R. Stromquist
1963-1964	Edward L. Hillier	1991-1992	Spencer Kreiser
1964-1965	John R. Russell	1992-1993	Robert C. Wegelin
1965-1966	John R. Russell	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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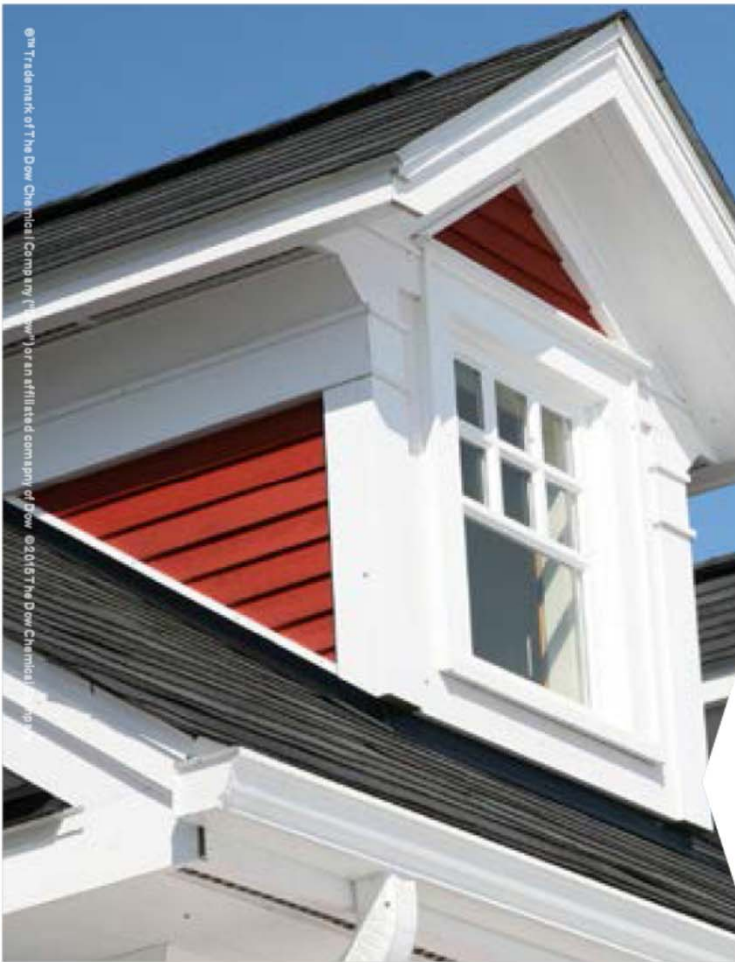
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March Meeting Highlights

Presentation summary of March 14 2016 SPE Cleveland-Akron Sections Technical meeting

The Solar Durability and Lifetime Extension (SDLE) Center at Case Western Reserve University (CWRU) is a world-class research center dedicated to lifetime and degradation science. Established in 2011 by Professor Roger French, the SDLE Center focuses on the durability and degradation of solar photovoltaic (PV) materials. Much of the research focuses on understanding and improving the long-term outdoor durability of polymeric materials continuously exposed to direct sunlight. We toured the “Sun Farm” (an outdoor array of instrumented and versatile solar panel mounts) and SDLE’s labs (indoors).

Presentation



Roger French, Director, SDLE Research Center provides supervision for the students and the Sun Farm. Chris Littman, the Operations Manager, was our tour guide for the event and arranged for transportation to the Sun Farm. Several advanced degree students presented their projects to us in the laboratory. The projects covered a variety of tests of materials used in solar panels and evaluation of what causes corrosion and what breaks down the plastic materials. Many of the tests are done for companies that build panels and provide components to the manufacturers.



Group

March Meeting Highlights

After dinner, Dr. Roger French presented the overall operation and objectives of the center to achieve a correlation between lab testing and field testing of solar panels. The center is certified to analyze data from several sun farms located around the USA. The other objective is to be able to forecast solar panel life of forty years. The present expected life is twenty five years.



Demonstration

Laura Bruchman, Research Professor, assisted with the tour and provided a presentation after dinner about material data analysis and testing of materials for two components.

Timothy Peshek, Research Assistant Professor, presented the operation of the sun farm. He also presented details of testing and analysis being done on the thin film that is added to the surface of the solar cell.

Thirty-six SPE members attended the meeting. The professors and students that presented their lab projects joined us for the dinner and presentations. Photos are provided of the sun farm presentation and presentations given after the dinner.

Written by John Sovis

Solar Cells



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 18)

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

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Programs for 2015 / 2016

Sept. 14	University of Akron Biomimicry - Leveraging 3.8 Billion Years of Innovation -- <i>Hilton Fairlawn – Akron*</i>	Jan. 11	NASA To Mars and Back – Extreme Eng. -- <i>Hilton Fairlawn – Joint with ACCESS*</i>
Oct. 12	SIPA of Italy Xtreme and Extreme Sincro, SIPA's Revolutionary Preform Manufacturing Technology & Design -- <i>Hilton Fairlawn – Akron*</i>	Feb. 8	RTP VLF – Very Long Fiber – Metal to Plastic Replacement -- <i>Hilton Fairlawn – Cleveland*</i>
Oct. 13-15	Vinyltec TOPCON -- <i>Hilton Fairlawn – Akron*</i>	Mar. 14	Case Western Reserve Univ., Tour Solar Power -- <i>Cleveland*</i>
Nov. 9	Beaumont Technologies True Melt Flow of Polymers -- <i>Hilton Fairlawn – Cleveland*</i>	Apr. 11	Industry / Teacher Collaboration 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	Holiday Celebration SPE – History and Plans for the Future -- <i>Taverne of Richfield – Joint*</i>	May 9	Akron Section Awards Night -- <i>Hilton Fairlawn – Akron</i>

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

Akron Section Board of Directors

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Marcos Pantoja <i>Student - U Akron Polymer Eng.</i> Director, Student Chapter SPE Liaison	831-970-0604 T mp87@zips.uakron.edu
Younjin Min <i>Student - U Akron Polymer Eng.</i> Director, Student Chapter Advisor	330-972-5167 T 330-258-2339 F ymin@uakron.edu

Bob Wegelin <i>Retired</i> Director, Education Foundation, House	330-414-1498 T robert.wegelin@att.net
Tony Dean <i>Retired – Director, Public Interest, Advertising</i>	330-929-9916 T francis@neo.rr.com
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John Fellenstein <i>U Akron Polymer Engineering</i> Director	216-536-7581 T 330-972-2624 F jfellenstein@uakron.edu
Sahil Gupta <i>Parker Hannifin Corp.</i> Director	330-296-1421 T 330-296-8433 F sahil.gupta@parker.com
Joe Mattingly <i>Goodyear Tire & Rubber Co.</i> Director	330-962-5299 T 330-896-7379 F joe@mattingly.us





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

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!

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

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

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

SPE MEMBER BENEFITS GUIDE



FREE TO MEMBERS

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

SAVINGS TO MEMBERS

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

WEBSITE LINKS SUBJECT TO CHANGE - CHECK 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

Insertion Order 2015-16

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

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

This is the 57th 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

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

(please X)	Ad Size	Dimensions	Price for year
	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

The cost on a per issue basis will be calculated by dividing the "Year" price by 10

Contact Person	Billin	g Information:
Company: _____		
Name: _____		
Address: _____		
Phone #: _____		
Fax #: _____		
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 #WFBUS66

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# _____