

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

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Costs, Schedules, Reservations

See page 2 for reservation and payment directions

Technical Meeting

Monday, March 14, 2016

4:30 p.m.

Case Western Reserve University

**The Solar Durability and
Lifetime Extension (SDLE)
Center at Case Western
Reserve University (CWRU)**



See page 2 and 3 for meeting information

Coming Up:

➤ April 11 – Industry / Teacher Collaboration

Mar. 2016, Page 1



SPE Technical Meeting

Monday, March 14, 2016, 4:30 p.m.

Case Western Reserve University

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. Our visit will include tours of the “Sun Farm” (an outdoor array of instrumented and versatile solar panel mounts) and SDLE’s labs (indoors), a presentation by Prof. French, and a dinner.

Costs, Reservations

Regular member: \$25

Retired member: \$20

Student: \$5

Reservation and payment must be received in the mail no later than Thursday March 10, 2016.

Please send a check made out to *SPE Cleveland Section* to

Dan Crist

PO Box 845

Brunswick, OH 44212.

Reservations can also be made by e-mail at mail@cmd-tip.com or by phone at 440-227-5424, but there will be a \$5 surcharge for payment not received by the March 10 deadline.

Because of limited capacity, attendance cannot be guaranteed for late reservations.

Directions:

Registration will be in Nord Hall, room 356, in the central Case Western Reserve University campus.

If arriving by car, please park in the Veale Parking Garage, unless you have a CWRU parking permit.

The address of the garage is:

2158 Adelbert Rd,

Cleveland, OH 44106,

From the garage, walk a short distance across campus to Nord Hall.

See attached map. The garage (labeled “P-53”) and Nord Hall are indicated by red boxes.

The cost of parking is \$10 for 4 to 24 hours, and varying amounts between \$2 and \$9 for less than 4 hours.

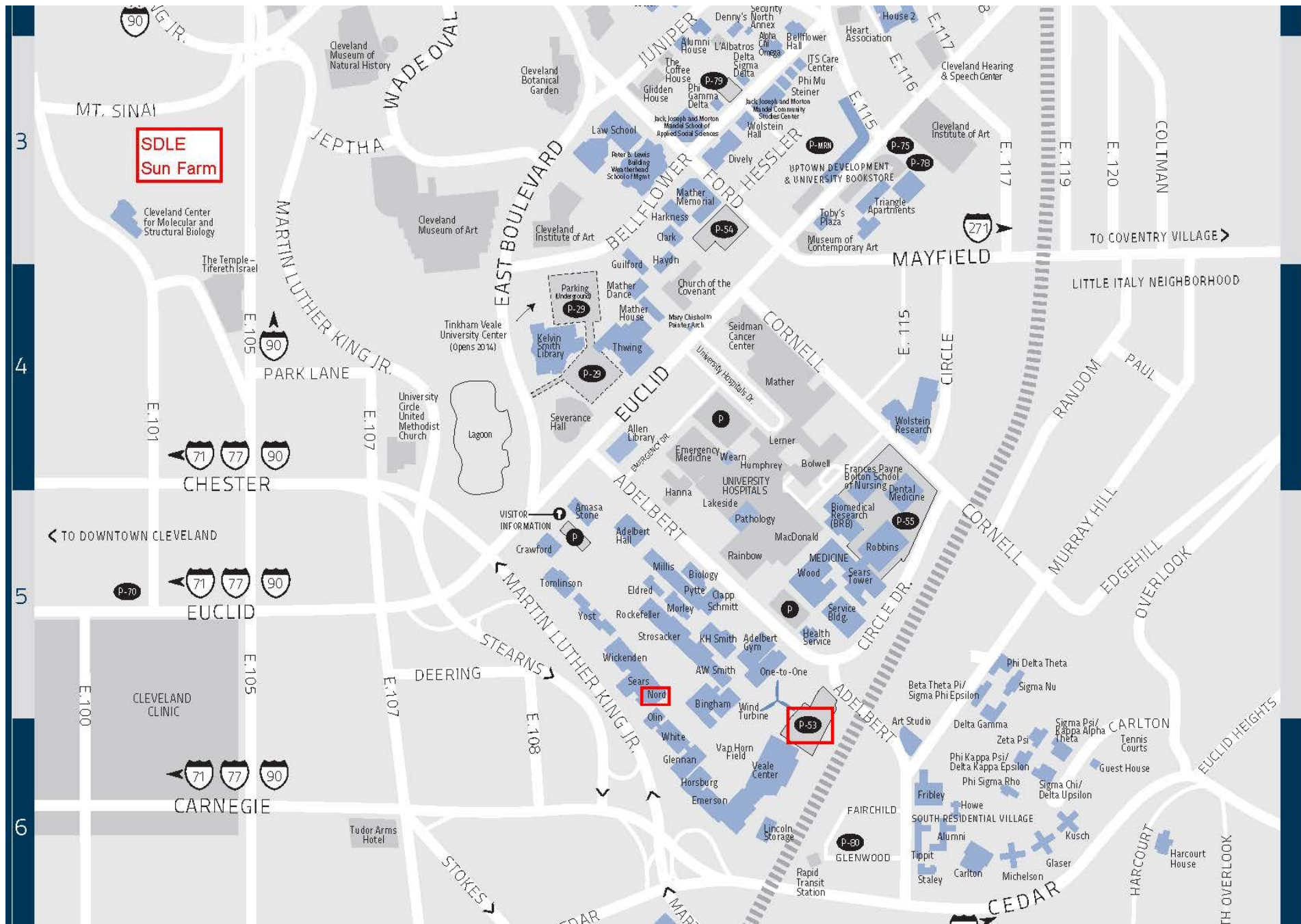
Schedule:

4:30-5:00 Registration. Please be ready to start the tours promptly at 5:00. It may not be possible to accommodate late arrivals. Please allow for rush hour traffic.

5:00-7:00 Guided tours of SDLE labs and Sun Farm. A shuttle bus from Nord Hall to the Sun Farm will be provided. The attendees will be split into groups alternating between the two tours. Please do not drive to the Sun Farm because there is no public parking there.

7:00-8:00 Self-serve dinner buffet in Nord 356.

7:30-8:30 Presentation in Nord 356



SDLE
Sun Farm

Nord

P-53

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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 – January 2016

Akron Section has 302 active members. One new member was added in January.

Month Active - Added

Jan	302	1
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J. Lewellen
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Peninsula, OH



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2016 Pittsburgh SPE Winter Events

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

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:
RSVP:
Send Ideas to:
More Info at:

\$20.00 for SPE members, \$25.00 for non-SPE members
Pgh.spe+rsvp@gmail.com
Pgh.spe@gmail.com

Minutes of Board Meeting – January 4, 2016

Call to Order: 5:30 PM

Present: Keith Pelfrey, Viv Malpass, Dan Jones, David Schultz, Tom McQuaide, Bob Weiler, Sahil Gupta, Bob Wegelin, Marcos Pantoja, Gary Taylor, Joe Mattingly, Nicole Brostowitz and Ashrita Nallapaneni

Absent: Kevin Malpass, Kevin Cavicchi and Tony Dean

Agenda for Monday Jan 4 BOD meeting at 5.30pm at the U Akron Poly Eng Bldg :

*Kevin Cavicchi---provided parking passes for Oct until May 2016

1) Minutes of Nov 30 BOD meeting---Dave Schultz

Reviewed, voted and Approved by BOD

President - Good of the Order

Dan Jones was present and will be at conclusion of BOD- Jan 4th working for UARF overseas and thus will not be attending on a regular basis BOD Meeting for Akron SPE. Congratulations to Dan Jones he has been an integral part of our BOD over past 4-5 years and will be missed!!

Awards Committee – Dan reports:

He will be forwarding Pinnacle Award information to Keith Pelfrey and will as well supply new ideas/suggestions to help modernize the Pinnacle Award in the future. He informed that Goals as developed by BOD are critical to areas in Pinnacle Award for Year 2015-16. He has provided Intl with Honored Service Member nominations, and we need to identify Section Award winners May 2016.

BOD to identify Award Chair for May 2016.

Dan as well informed that Akron Section should have representative for E-week- Mid Feb 2016- Joe Mattingly agreed to handle if available- need date

2) Section Goals—2015-16 Keith Pelfrey

Keith provided Final list of Goals as developed

Key to Pinnacle and Communication for year 2015-16- Due Feb 2016

Goals for Akron SPE for 2015-16

- We will partner with the Cleveland section to increase joint average monthly meeting attendance from 46 in 2014-15 to 49 2015-16 by June 1 by providing compelling diversified programming
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- Increase the use of social media including our website, Linked In and Facebook by creating a compelling story that will attract new members. This year will establish baseline.
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- Increase Section membership from 291 on June 1, 2015 to 294 on June 1, 2016 by better promotion of SPE Membership value on social media and providing compelling events.
- Work closely with the Vinyl Plastics Division to host a very successful Vinyltec TOPCON in October 2015 and prepare for the TPElastomers TOPCON in 2016. Event will earn more than cost to fund sections and other non-profit activities.
- Effectively participate with joint Society meetings and activities such as ACCESS, ACS and others to share event notifications and improve attendance over 2014-2015.
- Improve our recruitment efforts to increase the number of board members from 14 to 16 by June 1, 2016.

Minutes of Board Meeting – January 4 (cont.)

Committee Reports:

Technical Program Review 2015-6--Keith Pelfrey- New 2015-16 Bob Weiler

Keith informed program is set for January and this year until May with back ups available, reconfirmed that Bob Weiler is working with Martin Mensch- in Cleve. working on Program for next year. Bob Weiler has asked for comments from BOD and Student Chapter, Tom McQuaide to investigate CEO A.Schulman for future meetings.

Membership--Bob Weiler

Membership stayed steady in Dec-now at 306, Keith Pelfrey sent letters to new members- determine how to keep new members engaged.

Treasurer--Gary Taylor

Gary provided report to BOD for review of final figures for 2015- very good year with influx of Vinyltec Conference, reviewed potential addition of monies to Education Foundation
BOD discussed target infusion amount- Motion made, Discussion carried out, Vote taken and passed- will add a portion of proceeds from Vinyltec to Education Foundation- Goal number ONE is EDUCATION!!
Determined that we should also carry out more immediate funding- several projects under consideration- may set up small Committee to review options
Funding suggested previously and Voted on to aid activities at Educational Service Center- Cuy Falls Ohio – Grant for Hands on Plastics Kits- a check was provided to Secretary- Schultz to deliver

Councilor--Kevin Malpass / Dan Jones

No report- Dan Jones had provided input in Dec 2015- Newsletter

Student Chapter—Marcos Pantoja

Marcos reported that there was an increase due to recent drive in Student Membership - noted new recruits- BOD wondered if another drive in late March prior to prep for ANTEC in late May 2016 might make sense as we strive to reach out to students/ PESO, make sure to align students with a great deal of information up-date on SPE Intl and what is available to them re Papers and travel expense from Intl and Local Section
They had their Dec 17th PESO- Holiday Party
They do not have a calendar for any other events currently

Public Interest/Website-- Tom McQuaide/Tony Dean

Tom informed that he has developed template now for Section-Essay Contest now needs input re locations to be sent- check K.Cavicchi / D.Schultz for potential ACESS contacts
In addition will fine tune Press Release re Education-need to determine audience and message
Tony informed that all information has been disseminated for next meetings SPE and public sites
Need advertisers- check past and current Vinyltec list
Tony informed he is working on Communications Award submission- 2016

Need to confirm status of Electronic picture frames for PEAC

Minutes of Board Meeting – January 4 (cont.)

Website Improvement/utilization--Tony Dean/ Nicole Brostowitz

No new items still need input

Nicole informed that she is still fine tuning will take further input from BOD and make appropriate changes and she is making progress on the new look social media site -BOD to review Nicole's e-mail and provide input

Nicole has requested update on Plastivan-Intl is placing a renewed interest and has expanded their out reach D. Schultz to check Cleveland Section as well local ESC- Dr Missi Zender Sakach

Newsletter--Utilization/Advertisers--Tony Dean

No report.

Awards—Planning-New BOD

Report at start.

Pinnacle/Communications/Timing 2016-17 ---Dan Jones

Report at start.

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

Keith has asked BOD to make suggestions for potential Awards- a Hall of Honor nominee has been received, need to have additional nominees and suggestions for Awards for this year- Organization- Section may like to consider potential Business Award for 2016

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

Kevin and Tom met early Dec current process has started for new year using updated Scholarship information, and brochure

Plan to reach out in other areas such as noted from last year suggestions: Contacts with Boards of Education, PTA, websites, local papers

Science Fairs are set- Tom will contact organizers and make donations in name of Akron Section SPE for plastics/polymer exhibits- need Judges

Need to consider adding Best Medicine Show to support for future

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

No report- plan to have Foundation Meeting for 2015-16 year- re current situations in stock market- Bob plans to gather Foundation Committee for update and review dates being selected

Vinyltec 2015, Oct 13-15--Status--VM/Bob Weiler/Dave Schultz/ Bob Wegelin

Viv reports Vinyltec was successful! We have asked to be considered for future Vinyltec meeting in Akron 4-5 years-target 2021

TPE TOPCON- September 2016--Status--VM/ Bob Wegelin

Viv reports that this Conference confirmed for Sept 20-22

We are set with 26 papers for Wed-Thurs and considering a Pre Conference 101TPE

Sponsorships currently in process of developing

Plan to lock in dates for next 3 sets of TPE TOPCONset for 2018,2020 and 2022

House- Bob Wegelin, Gary Taylor

No report.

Minutes of Board Meeting – January 4 (cont.)

New Business:

Teacher Grant- approve monies for Hands on Plastic Kits for Dr Missi Zender Sakach and she agreed to speak in April at Teachers Night to review programs developed- check provided
VP Society- Intl has invited eligible BOD Members to consider running for election
Reviewed survey by Sahil Gupta- Confirmed could send modified survey to Membership via Jenny e-blast

Adjournment

Meeting was adjourned at 7:07 p.m. Next BOD Meeting February 1 Univ. of Akron PEAC -5:30 PM

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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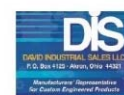
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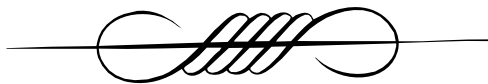
MARKETS

- Building Materials
- Polymers
- Life Sciences
- Paper



Akron Section SPE Past Presidents

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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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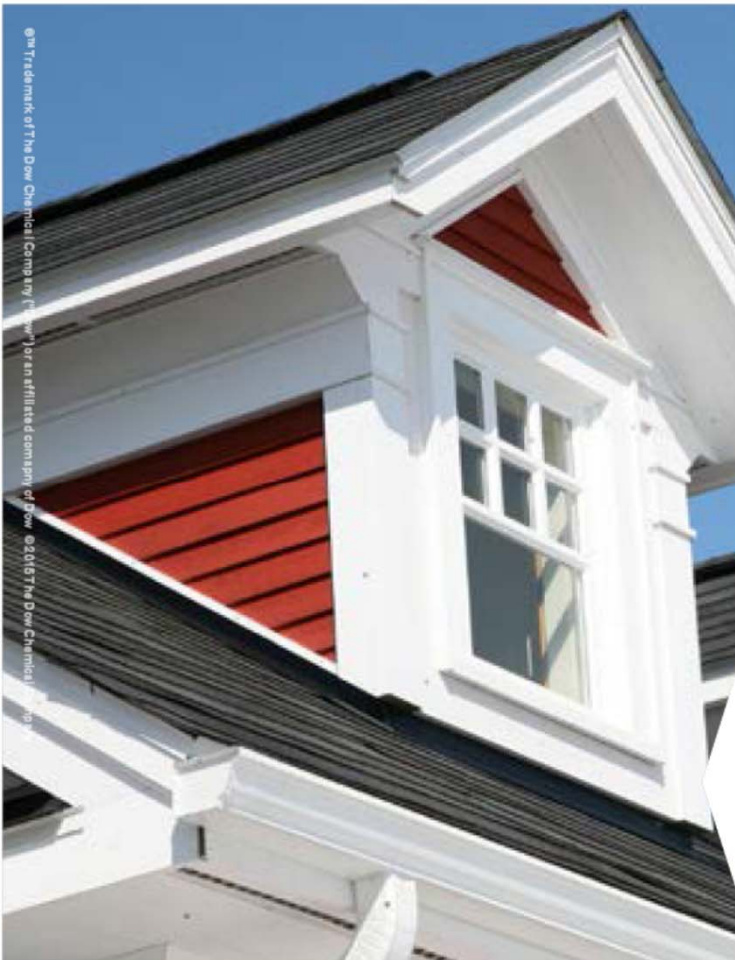
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- Rubber and Plastics Failure Analysis – Physical and Chemical Analysis Techniques
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- Chemistry and Technology of Polymeric Materials used in Medical Devices
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Minutes of Board Meeting – February 1, 2016

Call to Order: 5:30 PM

Present: Keith Pelfrey, Viv Malpass, David Schultz, Bob Weiler, Bob Wegelin, Kevin Malpass, Marcos Pantoja, Gary Taylor, Kevin Cavicchi and Ashrita Nallapaneni

Absent: Tony Dean, Tom McQuaide, Sahil Gupta, Joe Mattingly, and Nicole Brostowitz

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

Committee Reports:

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

Program with Dr. Kavandi –NASA well received by ALL groups SPE- Akron/Cleve, ACCESS- ACS, IEEE organizations- U of A- Women and Science- suggest review of meal policy for large meetings- clarification for future- suggest as well added PR be developed around key meetings see Public Relations- section minutes Meetings set with Cleve host for Feb- RTP at Hilton and March- Case –Tour Solar Power

Membership--Bob Weiler

Bob informs stands at 302 for Jan/Feb- need to determine reasons for loss of several Akron Section members for beginning of year- need as well potentially to get new Membership Chair for next year as Pres Keith Pelfrey may handle Awards in Dan Jones absence

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 / Dan Jones

Kevin inform this Friday is Winter – Council Meeting on line- BOD to forward concerns Major concerns- Membership along with Organization structure on schedule currently

Student Chapter—Marcos Pantoja / Asritha Nallapaneni

Reviewed potential and made plans to have another drive to gain Student Chapter members in late Feb/March as well to promote interest as Akron Section can help defray expenses for ANTEC- May 2016 in Indianapolis

Public Interest/Website-- Tom McQuaide/Tony Dean

BOD has suggested Tony and Nicole consider putting out PR on past well received Jan Meeting with NASA 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 –Wooster area would like to add to site.

Newsletter--Utilization/Advertisers--Tony Dean

No report.

Minutes of Board Meeting – February 1 (cont.)

Awards—Planning-Dan Jones / Keith Pelfrey

Keith informs that Communications Award is complete and ready to send to Intl – thanks to Tony Dean and Nicole Brostowitz for their hard work. We reviewed with Keith last items as prepped and requested by Dan Jones to complete –Pinnacle- it too is set with minor modifications. Thanks goes to Dan Jones for his dedication and hard work

Pinnacle/Communications/Timing 2016-17 ---Dan Jones/Keith Pelfrey

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

Need to determine and make contact with Dan as to what he has aligned moving forward- Hall of Honor, Zekan and Honored Service--Keith and Dave Schultz to handle

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 meeting John in near future Tom McQuaide has arranged with help of ACCESS to provide Awards to students at recent Science Fair- Sat Jan 30

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 set Feb 18 at that time will place recent monies from Akron Section into Foundation

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

Viv reports that we are set with first PR going out to SPE Membership- Feb 1 and still planning to have a TPE 101 –Pre Conference

House- Bob Wegelin, Gary Taylor

Requested review for venue for May Awards- considering Firestone CC once again- well received last year, need to determine speaker

New Business:

Engineer's week attendance and awards- Who will attend?

Need to determine BOD that may be planning to attend- Joe Mattingly had stated he would attend if available Selection of new awards planning director- Keith Pelfrey

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

Preparation for Our Industry / teacher collaboration event on 4/11- How can the board help?

Kevin has informed he is in planning stages and will let us know what he needs and could continue yearly as this helps us meet Goals for 2015-16.

D Schultz informed that Dr Missi Zender Sakach will be attending and speak on her recent Hands On Plastics activities with regional middles schools

Adjournment

Meeting was adjourned at 7:00 p.m. Next BOD Meeting March 7 Univ. of Akron PEAC -5:30 PM

January Meeting Highlights

Gathering



Social Hour



Dinner



Akron SPE President Keith Pelfrey



Astronaut Janet Kavandi answers questions



Astronaut Janet Kavandi



Presentation summary of February 8th 2016 SPE Cleveland-Akron Sections Technical meeting

Application of long glass fiber plastic resins as a substitute for steel sheet metal and die cast metal parts was presented by Frank Flavin, Application Development Engineer from RTP Corporation. His corporation and two other companies produce the plastic coated glass pellets for corporation to injection mold parts to replace individual parts and several existing parts in the automotive and appliance products and many other products and industries.

Commercial glass fiber is purchased and plastic resin like Nylon is extruded over the fiber then is cut to lengths of one to three Inches. These pellets are used to injection mold parts in commercial available machines. The physical properties of the material are excellent. Stiffness increases with impact strength. It is not temperature sensitive. Parts made with this product are lighter and stronger.

The injection molding machine must use a short nozzle and large diameter screw to prevent breaking of the glass fiber. The mold design must use large gates. The part cavity and core should not have sharp corners to help with the material flow and prevent breakage of the glass fiber.

An automotive body example was shown of a design using long glass fiber plastic material. The number of components was less than 6 compared to a body design of today that used several dozen metal parts.

Sixty two members attended the meeting enjoyed the meal and the presentations by Mr. Flavin.

Written by John Sovis



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

**Please consider becoming a
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**Contact anyone currently
on the board (see page 20)**

**if you are interested.
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E-mail John Inama at johni@polysort.com


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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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VINYLTec 2015, TOPCON 2016	

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Prior Past-President,	daniel.h.jones@sbcglobal.net
Director, Awards	

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Director, Student Chapter Advisor	ymin@uakron.edu

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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

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Director	joe@mattingly.us





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



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!

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**

Goodyear Tire & Rubber
Company

Rubbermaid

Kenneth L Sharp Memorial
Scholarship

Jim Steiner Memorial
Scholarship

SPE - Akron Section
Special Merit Awards

The Society of
Plastics
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 18th, 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

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
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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	pmatatos@4spe.org

SPE MEMBER BENEFITS GUIDE



FREE TO MEMBERS

SAVINGS 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

	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 Billing 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# _____