

Polymer Valley NEWS

The Newsletter of the Akron Section of the Society of Plastics Engineers
Our 57th Year of Education and Service to the Plastics Industry

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Technical Meeting

Monday, January 12, 2015

5:30 p.m.

PolyOne Corp.

Hilton Inn

3180 West Market Street

Akron, Ohio 44333

Innovation at PolyOne
Dr. Christopher J. Murphy



PolyOne is the world's largest company focused on providing specialty polymer materials, services and solutions to thousands of customers representing a broad array of markets. This success and concomitant growth (continuous over every quarter since 2006) is founded on four strategic pillars: specialization, globalization, operational excellence, and commercial excellence. While all four are important and deserve full exposure, this presentation will focus on specialization and the impact that innovation has in providing those specialty polymer materials, services and solutions. The innovation driving tools that PolyOne uses, and in some cases developed, such as a staged gate product development process, voice of the customer, lean six sigma, collaboration and open innovation will be described. Examples of how the application of these tools positively impacted PolyOne's ability to deliver truly innovative solutions to its customers as well as favorably impact its associates and communities will be shared.

Costs, Schedules, Reservations

Member and/or guest	\$25
Retired	\$20
Student	\$5

Social / Networking / Bar	5:30 p.m.
Dinner	6:15 p.m.
Program	following dinner

Reservations must be in by noon on Friday, Jan. 9 and can be made to Gary Taylor at akronspe1@gmail.com or 330-419-4380
Please list all attendees, company affiliation and dietary restrictions.

Coming Up:

➤ February 9 – Sabic
Innovative Materials

Jan. 2015, Page 1



President's Message

Dear Members:

It is customary at this time of year to take a quick look back at the accomplishments of the Akron Section in 2014. We have had two successful TOPCONs which help us fund our Section activities, we have received the Pinnacle and Communications Excellence awards for the Akron Section and working with the Cleveland Section we have offered a varied program of monthly meetings culminating with a very enjoyable Holiday Celebration at Wolf Creek Winery. We will continue with our joint section programming through 2015. In January, Chris Murphy of PolyOne Corporation will give a talk on "Innovation at PolyOne". This will be our joint meeting with ACESS and should draw attendees from other Akron Societies such as IEEE, ACS, AICHE.

We are progressing well with the planning for the October 13-15, 2015 Vinyltec to be held in the Akron Fairlawn Hilton. This is a TOPCON co-sponsored by the Vinyl Plastics Division and the Akron Section. The call for papers has been sent out and promotion of the Tuesday Workshop and Wed-Thursday Conference is underway. We are anticipating having over 200 attendees. Stay tuned for more information.

I wish all of you a wonderful Holiday Season and a very productive and enjoyable NEW YEAR!!!!!!!!!!!!

Viv Malpass, 330-342-1120, 330-802-9428©
 President 2014-2015 Akron Section of SPE vivian.malpass@tek-mark.com

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- Densephase Pneumatic Conveying



- Vibratory Feeders
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Directions to Akron Hilton, 3180 West Market Street, Akron, Ohio 44333

From Cleveland Hopkins Airport

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

Driving South on I-77

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

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

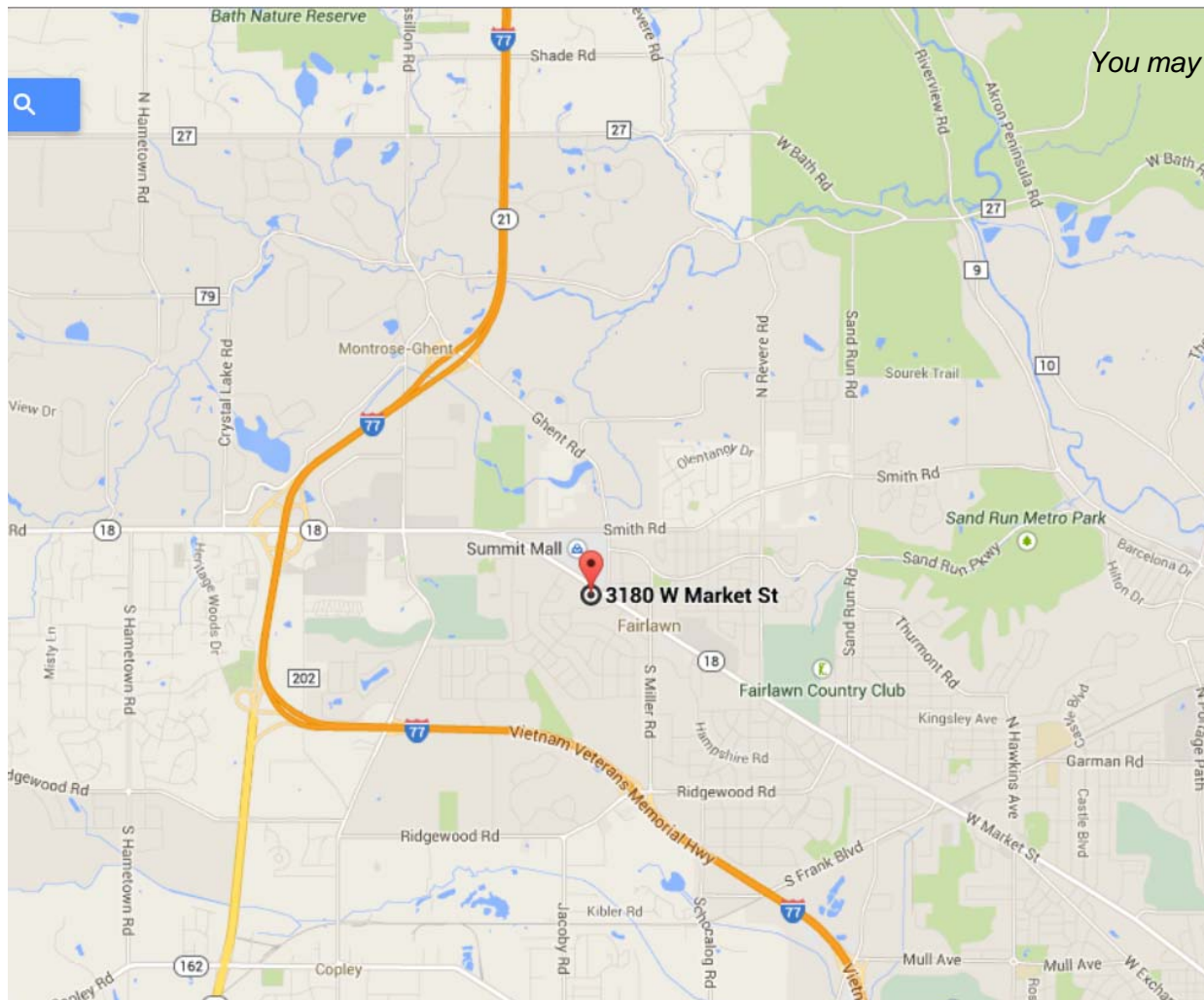
Exit at #133 – Ridgewood/Miller Rd. Go straight through the exit for approximately 2 miles. Turn left on Market Street (2 blocks). The Hotel is located on the left

Driving North or South on I-71

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

Ohio Turnpike

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



You may zoom in



Dr. Christopher Murphy

**Vice President, Research and Development
Chief Innovation Officer**

Dr. Christopher Murphy is vice president, research and development, and chief innovation officer of PolyOne Corporation, the world's premier provider of specialty polymer materials, services and solutions.

Having joined PolyOne in May 2012, Dr. Murphy has global responsibility for driving innovation and developing new solutions and applications across all markets by collaborating with PolyOne technical teams, corporate marketing group, business units and external technology resources.

Dr. Murphy has established an impressive track record of global innovation and new product development at leading specialty companies, including Lubrizol, Elementis Specialties and Nalco Chemical Company. Throughout his career, Dr. Murphy has demonstrated the ability to lead teams around the globe to successful and innovative solutions for customers in a variety of industries.

He earned a PhD from in organic chemistry from Tufts University and a bachelor's of science in chemistry from Boston College.

Dr. Murphy is a board member of Goodwill Industries of Lorain County, Inc., and a past board member for the Environmental Technology Institute in Singapore.

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www.polyone.com

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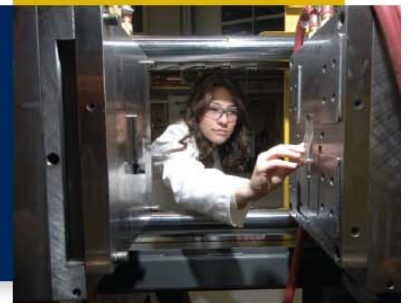
Contact us today for a FREE web site audit.

Tel. 330.665.5918 ext. 2104

E-mail John Inama at johni@polysort.com



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



APTC plastics courses include:

- Understanding Plastic Material Properties in Analyzing and Preventing Product Failures
- Making Properties and Profits: Twin Screw Extrusion Seminar
- Complete Injection Molding
- Polymer Compounding, Formulating and Testing of Plastics, Rubber, Adhesives and Coatings
- Rubber and Plastics Failure Analysis – Physical and Chemical Analysis Techniques
- Plastic Material Selection and Testing
- Plastic Part Failure Analysis
- Chemistry and Technology of Polymeric Materials used in Medical Devices
- Validating Medical Molding Processes and Parts
- Color Theory and Applications

Visit uakron.edu/aptc for a complete list of APTC courses.

The
University
of Akron

Customized training programs are also available. Contact APTC at 330-972-8303 or lbettinger@uakron.edu

PLEASE SAVE THE DATE!!

You are cordially invited to attend:

Leading Change and Innovation in Science:
Promoting Educational Initiatives Through Community Partnerships

January 13th, 6:00 p.m. – 8:30 p.m.
(Including a Casual Dinner)

Research has shown that “when companies and universities work in tandem together to push the frontiers of knowledge, they become a powerful engine for innovation and economic growth.” Imagine if we applied the same tenet to local kindergarten through high school settings, and began building collaborations between education and businesses/industries before the university experience? Consider the possibilities! Attend this educational forum to discover how you can support local science educators and their students and in turn, build lasting community partnerships.

The purpose of this forum is to:

- Create an awareness among local community members of the current state of science education in Ohio and nationally
- Strengthen collaborations between industries, businesses, universities and school districts
- Engage private sector and academia in joint scientific opportunities for teacher professional development
- Establish successful partnerships between scientists, industry and educational entities that ultimately promote students’ scientific curiosity and encourage their study of science, technology, engineering and math (STEM)-related fields
- Brainstorm ways that community members could support science initiatives in the local area (e.g., staff development, curriculum development, policy development, instructional development, guidance/mentoring/tutoring, incentives/awards, hands-on materials, etc.)
- Brainstorm ways that educational organizations could support local businesses, industries and universities

Scientifically,

Dr. Missi Zender-Sakach, Science Consultant, Summit County Educational Service Center
David Schultz, Technical Director, Harwick Standard Distribution Corporation
Christie Robinson, MEd, Education & Publications Manager, Rubber Division, ACS

Advertiser Index

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Picture your ad here

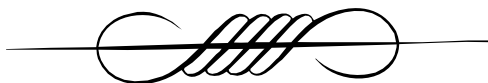
And also on our updated web site:
www.akronspe.org

Technical Assistance Initiated On Akron SPE Web Site

Do you have a technical question on plastics, polymers, rubbers, etc. Our web site now has a place where you can detail your question and the Akron SPE Board will use their collective knowledge and resources to answer your questions. Check it out at <http://akronspe.org/contact/>. If you post a question we will post it in the following newsletter along with the answer.

Akron Section SPE Past Presidents

*56 years of
excellence*



1959-1960	Donald F. Siddall	1987-1988	Judith A. Fallon
1960-1961	Milan Krajcik	1988-1989	William E. Tosko
1961-1962	Foster J. Young	1989-1990	Robert C. Wegelin
1962-1963	Dickson L. Stoker, III	1990-1991	Geraldine R. Stromquist
1963-1964	Edward L. Hillier	1991-1992	Spencer Kreiser
1964-1965	John R. Russell	1992-1993	Robert C. Wegelin
1965-1966	John R. Russell	1993-1994	Anthony F. Dean, Jr.
1966-1967	Clyde H. Jones	1994-1995	Wayne Decamp
1967-1968	Alan Corry, Jr.	1995-1996	Melanie Stewart
1968-1969	Bernard M. Saffian	1996-1997	Kevin Hershfield
1969-1970	Harold R. Schick	1997-1998	David Schultz
1970-1971	Robert G. Hills	1998-1999	John Raab
1971-1972	John J. Satterfield	1999-2000	Gary Taylor
1972-1973	Alexis M. Gross	2000-2001	Kevin Malpass
1973-1974	Francis J. Maurer	2001-2002	Kenneth L. Sharp
1974-1975	Leverett A. Anderson, Jr.	2002-2003	Joseph E. Pfeiffer
1975-1976	Robert M. Hershey	2003-2004	Robert C. Wegelin
1976-1977	Richard L. Fleshman	2004-2005	Joseph Mattingly
1977-1978	David Curtis	2005-2006	Lloyd A. Goettler
1978-1979	John A. Zelek, Jr.	2006-2007	John Woodside
1979-1980	Gerald W. Whitnoble	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



Councilor's Corner

Next Councilor meeting is Sunday, March 22, 2015 at the Orange County Convention Center – South Hall in Orlando, FL. As a Councilor, you receive complimentary admission to the Leadership Awards Luncheon, where SPE will recognize those members who have been elected to the 2015 class of Honored Service Members and Fellows of the Society, recipients of the SPE Annual Awards as well as the groups receiving the 2015 Pinnacle Gold & Silver Awards and the 2015 Communications Excellence Award.

1. Financial Performance as of August 2014.

- SPE made a loss of 88 k\$ in the month of August, composed out of an operational loss of 67 k\$; whilst the Foundation decreased its funds with 21 k\$.
- August was a rather 'weak' month on the revenue side (as always in this time of the year), although we received some money from Topcons.
- On the expense side there were some additional services related to investments, HR, management, ...
- The YTD situation is now getting 100% in line with budget, as we predicted.
- A forecast for the complete year has been made, together with a draft budget for 2015.
- CASH: our available cash has further decreased with about 96 K from 488K \$ to about 392 K \$. It is expected that our cash will decrease further, since we have quite some cash at hand from Topcon registrations (which has to be paid to the organizing group) and therefore we decided to wait in paying back a part of the loan.

CASH opening position	488.237 \$
CASH closing position	392.392 \$
delta CASH	-95.845 \$
Cash delta in Operations	-183.589 \$
Cash delta Sec/Div operational money	84.914 \$
Loan withdrawal (+) or pay back (-)	- \$
Others	2.830 \$
	-95.845 \$
Investment Account @ 1/1/2014	1.321.596 \$
Loan (against investment account) @ 1/1/2014 incl pay-back or extra loan, no interest	-242.504 \$

2. SPE Financial Housekeeping: Gary Taylor

- Treasurer: It is a requirement to have a Treasurer. That person should be someone other than the Chair. The Treasurer should be elected by the group's board. For Sections and Divisions with yearly revenues higher than \$100,000, we recommend you have a co-Treasurer or assistant Treasurer.
- Bank account(s): Your group is legally required to have a bank account in the name of the Section or Division (e.g.: Society of Plastics Engineers Injection Molding Division). We recommend having at least two different members have access to the account statements and both should review account statements every other month at a minimum.
- Payment Authorization: SPE recommends that you to have two signatory requirements for payments above \$2,000 USD.

Councilor's Corner (cont.)

- Reporting: SPE recommends that your group's Treasurer present a financial report of all expenses and revenues at every board meeting. This financial report should be complemented with a cash statement, which reflects all account statements, and includes copies of the actual bank statements.

Audit: SPE encourages that all Sections and Divisions with yearly revenues above \$100,000 USD / year or financial assets above \$250,000 USD, have an external audit once a year. For Sections and Divisions with revenues below \$100,000 USD / year, SPE suggests having an internal audit performed by a person other than the Treasurer, Chair or any member who has access to the account.

3. *SPE Divisions & Section Combined Meeting Notes: (See attachment)*

Also, If you know of an individual who would be interested (or if you are interested) that we could recommend to the Nominating Committee as an SPE Vice President candidate....PLEASE send me their name! It would be great if you could first check with that person (or with yourself) to make sure that they are willing to be recommended for nomination. Here are the requirements for an individual to be eligible for recommendation / nomination:

Eligibility for nomination is extended to any Distinguished Member, Fellow of the Society, Honored Service Member, Senior Member or Member who meets at least one of the following requirements:

Is currently serving, or has served within the past three years, as the Councilor of a Division, the Chair of a Division, or the Chair of the Divisions Committee, or

Is currently serving, or has served within the past five years, one or more full years as Chair of a Society-level standing committee or ad hoc committee, or

Is currently serving or has served within the past five years, as operating or technical program Chair of a Society-sponsored conference (e.g., ANTEC, EUROTEC).

This may be a self-recommendation, or the recommendation of a fellow member of the Society *provided approval has been received from the candidate.*

4. *Policy 009: Use of Society Name (See Attachment)*

5. *Link to all Council meetings and presentations: if you are interested*

Most of the presentations are now available for you to view on the Council Extranet. The presentation given by Bill Carteaux is forthcoming and will be available on the Council Extranet later this week. For your convenience, please find the login information below.

The following is the login and password for the Councilor access to the extranet:

User: council

Password: plastics1!

<http://extranet.4spe.org/council>

Respectfully submitted,

Kevin Malpass

Akron SPE Section Councilor 2014-2016

Highlights from December Holiday Gathering



Holiday Gathering

Vivian Malpass,
Lloyd Goettler, Dan Jones
and Dorothy Malpass



Keith Pelfrey (left) and Rik Keeley



Highlights from December Holiday Gathering



**Dan Crist (left) and
Rik Keeley**

**Gary and Cathy
Taylor**



Highlights from December Holiday Gathering

Firestone High School Madrigal Singers



Social Hour



Goals for Akron SPE for 2014 / 2015

- Work closely with the Cleveland Section to promote attendance at Joint Section meetings and develop a diversified program for 2015-2016.
- Increase involvement with University of Akron Student Chapter to attend Sections meetings and functions, and achieve better use of our website, Linked In and Facebook.
- Give better recognition to new members.
- Increase Section membership by at least 1% by better promotion of Section value.
- Work closely with the Vinyl Plastics Division to run a very successful Vinyltec TopCon in October, 2015.
- Continue and expand on Joint Society meetings and activities, such as ACCESS, ACS and others.
- Continue our recruitment efforts to add new Board members.

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

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

**Contact anyone currently
on the board
(see page 16)**

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



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- Softflex®
- Eco-Flex®

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Programs for 2014 / 2015

Sept. 16-18 **TPE TOPCON**
Building New Bonds
-- Hilton Fairlawn

Oct. 13 **Nottingham Spirk**
 Industrial Design, Tour at 11:00 a.m.
 Lunch buffet following at 1:00 p.m.
*-- Cleveland**

Nov. 10 **ColorMatrix / PolyOne Corp.**
 Liquid Coloring of Plastics
*-- Hilton Fairlawn – Akron**

Dec. 8 **Holiday Celebration**
*-- The Winery at Wolf Creek – Akron**

Jan. 12 **PolyOne Corp.**
 Innovation at PolyOne
 Joint with ACCESS
*-- Hilton Fairlawn – Akron**

Feb. 9 **Sabic Innovative Materials**
 Structural Foam Molding Processes
 and Materials
*-- Hilton Fairlawn – Akron**

Mar. 9 **Thogus Molding, Tour**
 Two part molding / Over molding
*-- Avon Lake – Cleveland**

Apr. 13 **Earth First Plastics** (plastics supplier)
 Sustainability of Plastics
*-- Hilton Fairlawn – Akron**

May 18 **Akron Section Awards Night**
-- Hilton Fairlawn – Akron

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

Akron Section Board of Directors

Vivian Malpass 330-342-1120 T
Tek-Mark International 330-342-1134 F
 President/Chair, Vinyltec 2015 vivian.malpass@tek-mark.com

Keith Pelfrey 330-255-6557 T
GOJO Industries 330-255-6114 F
 President/Chair-elect, Technical PelfreyK@GOJO.com
 Program

Dave Schultz 330-798-6535 T
Harwick Standard Dist. Corp. 330-798-9328 F
 Secretary schultzd@harwickstandard.com

Gary Taylor 330-419-4380 T
Retired taylorgandc@gmail.com
 Treasurer, House

Kevin Malpass 330-490-4743 T
Diebold, Inc. 330-490-4788 F
 Councilor, Prior Past-President kevin.malpass@diebold.com

Dan Jones 330-338-8029 T
 Past-President daniel.h.jones@sbcglobal.net

Matthew Crowder mjc71@zips.uakron.edu
Student - U Akron Polymer Eng.
 Director, Student Chapter SPE Liaison

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

Kevin Cavicchi 330-972-8368 T
U Akron Polymer Engineering 330-258-2339 F
 Director, Student Chapter Advisor, kac58@uakron.edu
 Awards, Education

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 Director joe@mattingly.us

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A. Schulman 330-630-3349 F
 Director Thomas_McQuaide@aschulman.com

Martin Mensch 216-447-5897 T
Lubrizol Advanced Materials Martin.Mensch@Lubrizol.com
 Director

Jenny Digiantonio 330-806-6214 T
 Newsletter jenny.akronspe@aol.com



Akron Section Society of Plastics Engineers Educational Foundation



1-15

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 three years that the foundation has been in existence, it has provided scholarships to over 245 young men and women totaling in excess of \$310,000 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 18, 2015.

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





The Akron Section of the Society of Plastics Engineers (SPE)

Education Committee

Announces:

2015 Essay Contest

First prize: \$100

Second prize: \$50

Sponsoring teacher: \$50

Please see attached entry form:

Entries due Feb 13, 2015

2015 Scholarship Awards

From \$250 – \$3,000 awarded per student annually

For undergraduate students interested in
polymer/plastics careers

Entries due March 13, 2015

Contacts below or www.akronspe.org for forms and rules

For more information contact:

Robert Wegelin	330-414-1498	robert.wegelin@att.net
Dr. Kevin Cavicchi	330-972-8368	kac58@uakron.edu



2015 "Wonders of Plastics" Essay Contest

The Akron section of the Society of Plastics Engineers (SPE) is pleased to announce the 2015 "Wonders of Plastics" essay contest.

Eligibility

The contest is open to all middle/junior high and high school students. The essay must be sponsored by one of the students' teachers.

Prizes

First place high school essay - \$100

First place middle/junior high school essay - \$100

The sponsoring teacher of each winning essay will receive \$25

The winning essays will be printed in the Akron Section's Newsletter.

Topics to consider

Advantages of plastics in food packaging

Creative use of recycled plastics

How plastics benefit humankind

How plastics improve our lifestyle

Plastics in the environment

Plastics usefulness in society

What plastics has done for me

Why the bad reputation of plastics is wrong

Submit your Essay to

Polymer Engineering
The University of Akron
Attn: Kevin Cavicchi
250 S. Forge St
Akron, OH 44325-0301

Questions may be directed to the Akron SPE Education Committee chair, Kevin Cavicchi by phone or email.

Tel: 330-972-8368 | **Fax:** 330-258-2339

Email: kac58@uakron.edu

Entry must be postmarked by January 31st, 2015!

REQUIREMENTS FOR SUBMISSION

General

Length:	Between 500 and 1,000 words
Format:	Typewritten in English on 8 ½ x 11 paper, title to appear as heading on each page; no name on any page except the entry form that must accompany each essay; 1-inch margins minimum on all sides
Authors:	The essay may be written individually or co-authored by two students
Deadline:	January 31 st 2015 (postmarked)

Organization

The organization structure of the essay should be “logical,” including the following considerations:

Introduction:	Optional
Thesis:	Several sentences
Development:	This section should be several paragraphs and should discuss the theme, analyze it, feature informal research about the theme, etc.
Conclusion:	This section should be at least one paragraph in which the author summarizes the ideas presented in the essay

Mechanics

Spelling should be correct; syntax should be readable; punctuation should be conventional. Essay should be free of sentence fragments. Diction (word choice) should be appropriate to the subject and the writer’s understanding of the topic. Point of view should be appropriate to the topic/subject and remain constant and consistent. A mixture of first and third person is acceptable if it is appropriate to the voice of the essay. However, the use of second person (“you” either stated directly or implied) will change the “voice” of the essay in a manner damaging to its effectiveness. Footnotes and references must be included when necessary.

Judging

Essays will be judged by a panel. In order to be judged, the essay must meet all the conditions as stated in the organization and mechanics above, with only incidental errors in mechanics. The essay must also meet the assigned minimum length and must be submitted following the prescribed format.

ENTRY FORM

Title: _____

By: _____
type or print

about the author(s)

Name(s) _____ age _____
_____ age _____

Grade in School _____

Address(es) _____

Phone Number(s) _____

E-mail(s) _____

about the school

School _____

Address _____

City/State/Zip _____

Phone/Fax _____

Teacher _____

Class _____

Submit your Essay to

Polymer Engineering
The University of Akron
Attn: Kevin Cavicchi
250 S. Forge St
Akron, OH 44325-0301

Tel: 330-972-8368 | **Fax:** 330-258-2339

Email: kac58@uakron.edu

Entry must be postmarked by January 31st, 2015!



2015 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 20th, 2015 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



NOMINATION FORM FOR ELECTION OF CANDIDATES TO THE PLASTIC 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 24, 2015 to:
Bob Wegelin 13206 Kaufman Ave. NW Hartville, OH 44632
PHONE: 330-414-1498

E-mail questions to robert.wegelin@attl.net

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

Honorees will be installed in the Plastics Hall of Honor at the Annual SPE awards night 2014

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!



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
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ANTEC Conference Sponsorship	Barbara Spain	+1 203.740.5418	bspain@4spe.org
The Chain	Sarah Sullinger	+1 203.740.5425	ssullinger@4spe.org
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Conference Sponsorship (TopCons)	Sue Wojnicki	+1 203.740.5420	swojnicki@4spe.org
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Mobile App – SPE Events	Barbara Spain	+1 203.740.5418	bspain@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	pmatoss@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 2014-15

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 56th year of the Akron SPE Section and rates are for entire season, September 2014 – Summer 2015. **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

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(please X)	Ad Size	Dimensions	Price for year
	Business Card	One column by 2" high	\$100
	Double	One column, 2 to 4" high	\$150
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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

13 Church Hill Road
Newtown, CT 06470 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 30. 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.*

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Account Number: _____

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

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You **must** include account number +ABA we may apply payment to the correct person.

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ACCT #2040607562129 ABA #121000248 SWIFT CODE #WFBUS66

EURO: HSBC Bank: 9 Penn Road, Beaconsfield, Buckinghamshire HP9 2PT UNITED KINGDOM
ACCT #70841841 IBAN #GB03MIDL40051570841841 SWIFT CODE #MIDLGB22 SORT CODE #400515

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 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
- 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
- Australia-New Zealand
- Benelux
- Brazil
- California-Golden Gate
- California-Southern California
- Caribbean
- Carolinas
- Central Europe
- Colorado-Rocky Mountain
- Connecticut
- Eastern New England
- Florida-Central Florida
- Florida-South Florida
- France
- Hong Kong
- Illinois-Chicago
- India
- Indiana-Central Indiana
- Iowa
- Israel
- Italy
- Japan
- Kansas City
- Korea
- Louisiana-Gulf South Central
- Maryland-Baltimore-Washington
- Mass/New Hampshire-Pioneer Valley
- Mexico-Centro
- Michigan-Detroit
- Michigan-Mid Michigan
- Michigan-Western Michigan
- Middle East
- Mississippi
- Nebraska
- New Jersey-Palisades
- New York
- New York-Rochester
- 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
- Southeastern New England
- 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

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

- Advanced Energy - 024
- Alloys and Blends - 010
- Applied Rheology - 013
- Bioplastics - 028
- Composites Europe - 026
- Extrusion Europe - 025
- Failure Analysis & Prevention - 002
- Joining of Plastics & Composites - 012
- Marketing & Management - 029
- Nano/Micro Molding - 023
- Non-Halogen Flame Retardant Tech. - 030
- Plastic Pipe & Fittings - 021
- Plastics Educators - 018
- Plastic in Building and Construction - 027
- Process Monitoring & Control - 016
- Quality/Continuous Improvement - 005
- Radiation Processing of Polymers - 019
- Rapid Design, Eng. & Mold Making - 020
- Thermoplastic Elastomers - 006

Recommended by (optional) _____ ID# _____