

# Polymer Valley News

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

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## Technical Meeting

**Monday, February 9, 2015**  
**5:30 p.m.**

## Sabic Innovative Materials

**Hilton Inn**  
**3180 West Market Street**  
**Akron, Ohio 44333**

**Structural Foam Molding  
Processes and Materials**  
**Dan DeLorey,**  
**Technical Development Engineer**  
**Sabic Innovative Materials**



This presentation will focus on structural molding guidelines around everything from part design to processing. We will also go over some newer foaming technologies of MuCell and Gas Counter Pressure techniques.



Dan is a graduate of UMass Lowell and has been in the plastics industry since 1971. He has served in various roles in plastics including tooling, production and technical service during his time in the plastics industry. Dan has worked for companies such as BASF, Gillette and most recently GE Plastics/SABIC for the past 26 years. Dan works up and down the eastern corridor with SABIC and is a great resource to both SABIC and SABIC's customer base.

➤ **March 9 –  
Thogus Molding**

Feb. 2015, Page 1



## 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, Feb. 6 and can be made to Gary Taylor at akronspe1@gmail.com or 330-419-4280  
Please list all attendees, company affiliation and dietary restrictions.

## 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)

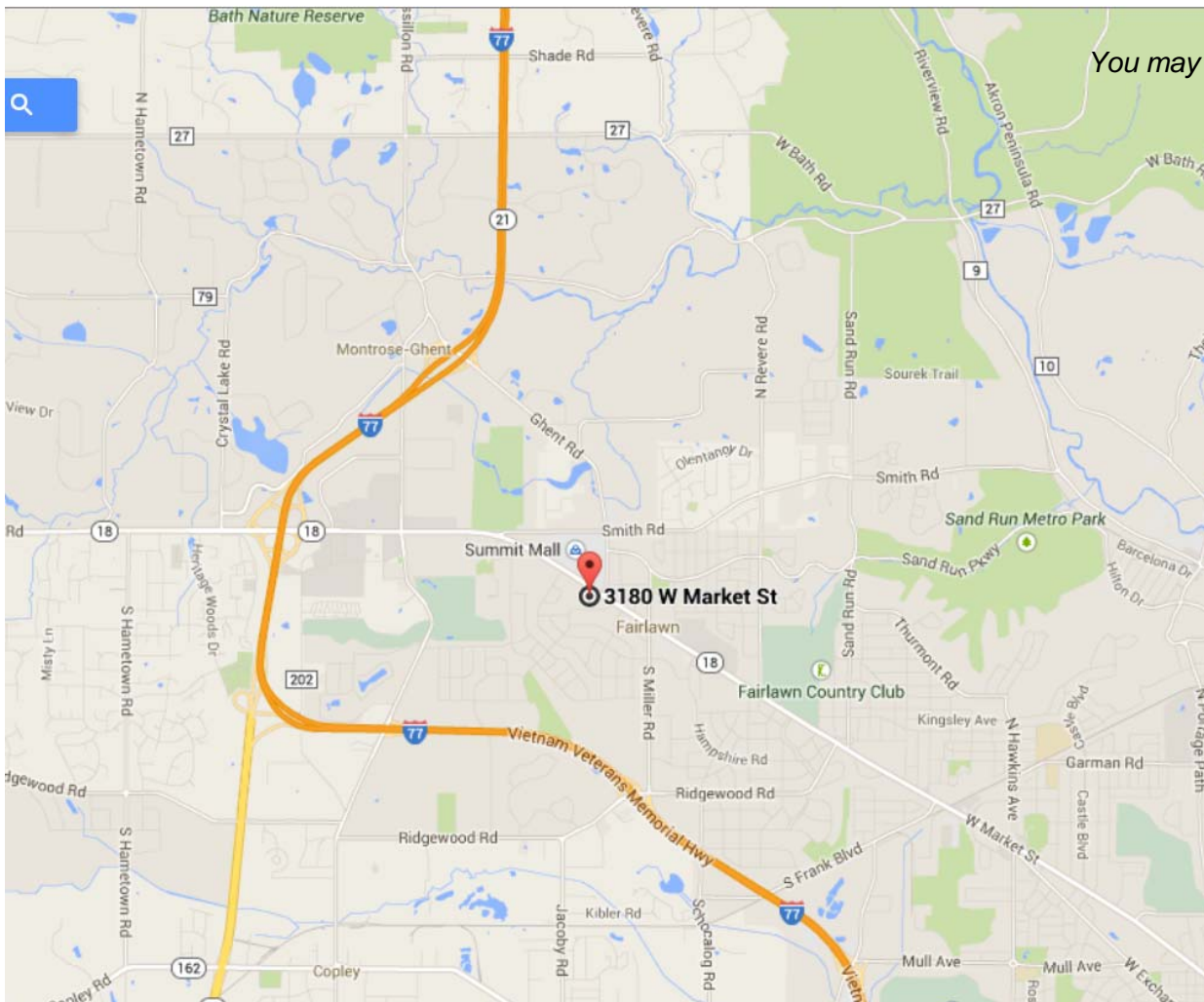
Exit at #133 – Ridgewood/Miller Rd. Go straight through the exit for approximately 2 miles. Turn left on Market Street (2 blocks). The Hotel is located on the left

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



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**The Akron Section is in need of New Board Member as the new year begins.**

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

**Contact anyone currently on the board (see page 18) if you are interested.**

**Thank You!**

**Our Specialties Are Your Solutions!**

**High Performance Additives for Plastics**

**Antioxidants:**  
 Doverphos® S-9228  
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Heath Colvin, Midwest Regional Sales Manager  
 Phone: 330-243-6158; Fax 330-365-3929  
 Email: [hcolvin@doverchem.com](mailto:hcolvin@doverchem.com)



## Advertiser Index

A. Schulman	9
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Dover Chemical	3
Kuraray America	8
Polysort	5
Struktol	3

Picture your ad here .....

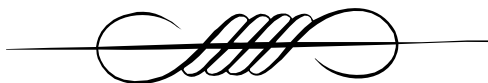
And also on our updated web site:  
[www.akronspe.org](http://www.akronspe.org)

## 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

*57 years of  
excellence*



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

## Membership report – January 2015



• Volumetric, Gravimetric, Belt & Screw Feeders



• Bulk Bag Systems  
• Mechanical Conveyors  
• Scale Systems



• Paddle Mixers  
• Vacuum Dryers



• Explosion Mitigation & Prevention Equipment for Combustible Dust



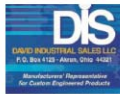
• Delumpers  
• Shredders  
• Size Reduction



• Densephase Pneumatic Conveying



• Vibratory Feeders  
• Bin Activators



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Richfield: (330) 659-3157 Perrysburg: (419) 874-1359

Akron Section has 299 active members. 3 new members added in January.

Tonson Abraham  
ExxonMobil Chemical Co.  
Akron, OH

Stephen Bodnar  
Seaman Corporation  
Wooster, OH

Stephen Gray  
ProMold Gauer  
Stow, OH

No new lapsed members showing for January.

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PLEASE SAVE THE DATE!!

You are cordially invited to attend:

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

March 3rd, 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:

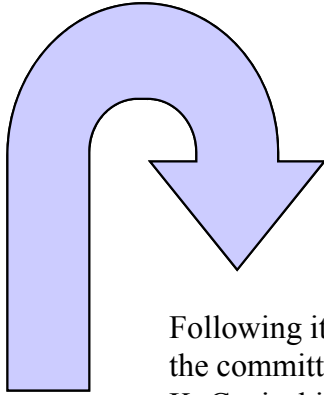
- Create an awareness among local community members of the current state of science education in Ohio and nationally
- Strengthen collaborations between industries, businesses, universities and school districts
- Engage private sector and academia in joint scientific opportunities for teacher professional 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

Contact David Schultz for further details - 330-798-6535 [schultzd@harwickstandard.com](mailto:schultzd@harwickstandard.com)

## *New Directions Initiative*



An initiative has been undertaken to develop a set of new directions for the SPE Akron Section with the objectives of revitalization and operational efficiency. Elements to be addressed include technical program focus, section functioning, member involvements, inter-society interactions, meeting venues and liaisons with our local educational institutions.

Following its authorization by the Board of Directors at their June 2009 meeting, the committee comprising R. Sadeghi, S. Jana, V. Malpass, K. Malpass, K. Cavicchi, M. Holtman and L. Goettler (chair) has met to generate program concepts for the upcoming year around developing technologies of local interest that involve both R&D and commercialization and are of general societal interest. Thrust areas have been identified as energy, biomaterials, medical/health applications of polymers and environmental concerns. Some program subjects being considered are medical plastic applications, e.g. implants, fuel cells, applications of nanofibers, biopolymers, alternate energy sources, water purification e.g. via desalination, photovoltaics, flexible displays, and the general process of technology transfer from lab to marketplace.

Please input your preferences and other ideas to us via the SPE website to insure that our programs are meeting your needs and interests.

**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

The  
University  
of Akron

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

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

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# Minutes of Board Meeting – December 22, 2014

**Call to Order:** 5:30 PM at PEAC

**Present:** Dave Schultz, Gary Taylor, Bob Wegelin

**Absent:** Viv Malpass, Dan Jones, Keith Pelfrey, Tony Dean, Joe Mattingly, Kevin Malpass, Robert Weiler, Martin Mensch, Matt Crowder, Mark Holtman, Tom McQuaide and Kevin Cavicchi

Viv had asked Dave Schultz- Secretary to handle meeting of BOD for him December 2014 and provided his Agenda format below:

## Organization

Section Goals - Review additions

Review- Vote money request SAC Intl- Young Prof Review and Std Chapter

## Reports

Technical Program -- Keith Pelfrey

House -- Bob Wegelin

Membership -- Rob Weiler

Treasurer -- Gary Taylor

Councilor -- Kevin Malpass

Student Chapter -- Matt Crowder

Public Interest/Website -- Tony Dean

Newsletter -- Tony Dean

Awards -- Dan Jones

Education Committee -- Kevin Cavicchi

Education Foundation -- Bob Wegelin

TPE TOPCON -- Viv Malpass

Vinyltec 2015—Viv Malpass/Rob Weiler

## Old Business

Review current assignments for help-Education/PR Akron Section- key with Education a major goal

## New Business

ACCESS Meeting- STEM Program- David Schultz

Engineers Week- Dan Jones

Minutes reviewed briefly by Secretary, approved by BOD

Correction- Communication Award was filed as well by Tony Dean for Year 2013-14

## Organization

Section Goals - Reviewed bullet points

1-Close work with Cleve- status- Keith Pelfrey working very close with Ric Keeley- Cleve to put together a very diversified program for following year

2-Increase involvement- need representation present/communication

3-Give better recognition- need to track new members monthly add to Newsletter and track / allow free first meeting. Increase membership- need to do all plus more from above/below Goals

4-Work closely Vinyl Div- In process

5-Continue to expand- D Schultz to contact local ACS- Chair for input, ideas

6-Continue recruitment- candidates being reviewed and considered.

Additional suggested actions needed be sent to Viv by Jan 5

Program- 2015-16-Keith Pelfrey

Targeting “hot” buttons-Sustainability, Bio and Innovation planning to make sure to target different variations year after year. Need to get additional help on Program Committee and suggestions from BOD.

Leadership- Making progress with getting new Members for BOD and Committees—Education, 2015-16

Technical Program, Awards and PR/Website Committees need members.

Mike Fulmer- Struktol- Product Manager Plastics Additives has informed his interest

# Minutes of Board Meeting – December 22 (cont.)

## **Committee Reports**

### **Technical Program: Keith Pelfrey**

Jan meeting set with sign ups coming in- Joint ACCESS- PolyOne.

Holiday Celebration- Wolf Creek Winery went very well and was well received location wine food and music fun was had by all.

### **House: Bob Wegelin / Gary Taylor**

Bob Wegelin and Gary Taylor inform that next venue is set- Jan.

Interest noted by membership to be able to pay onsite-see notes per Treasurer report.

### **Membership: Rob Weiler**

No report.

Need to track attendees at TOPCON 2014 as non- members- determine interest in joining their local section- determined by location they reside.

We still need to determine how best to track students and retirees after graduation and retirement as they are both valuable assets to our society.

New Member recognition considering addition to name tags red dots/stars at upcoming meetings plus introductions.

### **Treasurer: Gary Taylor**

Gary reviewed last activity for calendar year 2014 to date along with new format to include copy of Bank Statement on line.

Bob Wegelin and Gary looking into securing help for review of finances - yearly.

Need to consider review of maximum amounts available in accounts- potentially available for Education Foundation.

Gary reports he found a cell phone program for credit cards confirms works very well will be available in Jan. Current thoughts on Section financial responsibilities – in process of further review and modification.

### **Councilor: Kevin Malpass**

Kevin has informed Viv he plans to attend ANTEC/NPE.

He in addition plans to review list of items from Intl for sections.

Keith Pelfrey and Bob Weiler from BOD plan to attend as well- potentially David Schultz.

### **Student Chapter: Matt Crowder - PESO Liaison**

Viv to review current in -activity re Student Chapter.

Goal has listed- try to attract more student SPE members and to have added involvement in Section meetings and by local SPE members in PESO functions.

Need calendar of events as developed- Kevin Cavicchi we need your help and input.

Suggestion made to review with company interns (univ students) currently employed by large local companies.

### **Public Interest/Website: Tony Dean**

Web site is set for new 2015 year.

Need to get new advertisers for year.

Tony/Nicole Brostowitz- student U of A/ web designer has asked for feedback on current website.

BOD has now listed as one of GOALS- we need to develop a PR article informing local Akron and

surrounding areas about SPE Akron Section- very active, Awards and particularly monies over past many years for Scholarships.

# Minutes of Board Meeting – December 22 (cont.)

## **Newsletter: Tony Dean**

Jenny needs BOD inputs on monthly basis.

## **Awards: Dan Jones**

Dan confirms he has advertising set in Newsletters and website for Hall of Honor candidates for local Section awards in May 2015.

Dan will confirm with Intl for future years review Honored Service and Fellows for Akron Section.

## **Education Committee: Kevin Cavicchi**

Kevin has informed Viv allset with Essay Contest- Akron section only.

Kevin to inform soon re Science Fairs set for 2015.

## **Education Foundation: Bob Wegelin**

BOD has asked for sub-committee to set up policy for funding from Akron Section to Foundation for Awards and Scholarships.

Suggested money raising event for 2014-15 year.

## **TPE TOPCON: Viv Malpass**

Viv informed that final report is in along with results of survey.

Next TPE TOPCON set for Akron- Sept 2016.

## **VINYLTEC TOPCON 2015: Rob Weiler**

Next meeting set for Jan 7.

## **Old Business**

Review current assignments for help-Education/PR Akron Section- key with Education a major goal- Need to set up Actions in Jan with BOD taking lead.

## **New Business**

ACCESS Meeting- STEM Program- David Schultz

Engineers Week- Dan Jones

STEM- Meeting now set for March 3 at ESC-Cuy Falls

D Schultz reviewed entire scenario as set up by Organizing Committee-

Dr Missi Zender Sakach, David Schultz and Christie Robinson- see attached for details

Engineers Week set for Feb 26.

Webinars of monthly technical meetings – Dan Jones

Dan Jones reported no progress, but would continue to try to develop in new SPE year working with Intl- Scott Marko.

## **Adjournment**

Meeting was adjourned at 6:30 p.m.

The next meeting of the Akron SPE Board of Directors will be January 26, 2015 at the Univ. of Akron Polymer Engineering Center at 5:30 p.m.

# Minutes of Board Meeting – January 26, 2015

**Call to Order:** 5:30 PM at PEAC

**Present:** Dave Schultz, Gary Taylor, Bob Wegelin, Robert Weiler and Keith Pelfrey

**Absent:** Viv Malpass, Dan Jones, Tony Dean, Joe Mattingly, Kevin Malpass, Martin Mensch, Matt Crowder, Mark Holtman, Tom McQuaide and Kevin Cavicchi

Viv had asked Keith Pelfrey- Chair-elect to handle meeting of BOD for him Jan 2015 and provided his Agenda format below:

Minutes December

## Organization

Review

## Reports

Technical Program -- Keith Pelfrey

House -- Bob Wegelin

Membership -- Rob Weiler

Treasurer -- Gary Taylor

Councilor -- Kevin Malpass

Student Chapter -- Matt Crowder

Public Interest/Website -- Tony Dean

Newsletter -- Tony Dean

Awards -- Dan Jones

Education Committee -- Kevin Cavicchi

Education Foundation -- Bob Wegelin

TPE TOPCON -- Viv Malpass

Vinyltec 2015—Viv Malpass/Rob Weiler

## Old Business

Confirm attendance to 2015 Engineers week Banquet

## New Business

Confirmation of Akron Section seed money- Viv votes for \$3,000

Vote money request SAC Intl- Young Prof Review and Std Chapter

Meeting called to order 5:30 PM

Minutes reviewed briefly by BOD/Secretary, approved by BOD

## Organization

Still valid GOALS need to have Action items for tracking!!

Section Goals - Reviewed bullet points

1-Close work with Cleve- status- Keith Pelfrey working very close with Ric Keeley- Cleve/Akron putting together a very diversified program for next year

2-Increase involvement with Student Chapter - need representation present/communication

3-Give better recognition- need to track new members monthly add to Newsletter and track / allow free first meeting. Increase membership- need to do all plus more from above/below Goals

4-Work closely Vinyl Div- In process

5-Continue to expand- D Schultz to contact local ACS- Chair for input, ideas

6-Continue recruitment- candidates being reviewed and considered.

Additional suggested actions needed be sent to Viv by Feb 23

Program- 2015-16-Keith Pelfrey

Keith reviewed his new updated chart for future meetings-on target and in process

Targeting “hot” buttons-Sustainability, Bio and Innovation planning to make sure to target different variations year after year. Need to get additional help on Program Committee and suggestions from BOD.

Leadership- Making progress with getting new Members for BOD and Committees—Education, 2015-16

Technical Program, Awards and PR/Website Committees need members.

Mike Fulmer- Struktol- Product Manager Plastics Additives has informed his interest

# Minutes of Board Meeting – January 26 (cont.)

## **Committee Reports**

### **Technical Program: Keith Pelfrey**

Feb meeting set and confirmed Jan joint with ACCESS meeting went well, on target with Cleve for March-Thogus- Avon Lake need details and April- Akron at Hilton, plan to investigate other options for Awards Banquet for May- Todaros, Raintree or Galaxy.

### **House: Bob Wegelin / Gary Taylor**

Bob Wegelin and Gary Taylor inform that next venue is set- Feb.

Noted that membership used our new pay option- worked well.

### **Membership: Rob Weiler**

Bob reported membership at 299, 3 new members.

Keith Pelfrey plans to contact and welcome each new member.

Anticipate still would be good to track attendees from last year TOPCON as non- members- determine interest in joining their local section- determined by location they reside.

We still need to determine how best to track students and retirees after graduation and retirement as they are both valuable assets to our society.

New Member recognition considering addition to name tags red dots/stars at upcoming meetings plus introductions.

Start here

### **Treasurer: Gary Taylor**

Gary reviewed latest activity for calendar year 2014 as it is rolling into 2015 with new format to include copy of Bank Statement on line.

Bob Wegelin and Gary have secured help for review of finances 2014.

Current thoughts on Section financial responsibilities – in process of further review and modification.

### **Councilor: Kevin Malpass**

He plans to review list of items from Intl for sections- monies etc.

Viv Malpass, Kevin Malpass, Keith Pelfrey and Bob Weiler from BOD plan to attend as well as David Schultz.

### **Student Chapter: Matt Crowder - PESO Liaison**

Viv to review current in -activity re Student Chapter.

Goal has listed- try to attract more student SPE members and to have added involvement in Section meetings and by local SPE members in PESO functions.

Need calendar of events as developed- Kevin Cavicchi we need your help and input.

Suggestion made to review with company interns (univ students) currently employed by large local companies.

### **Public Interest/Website: Tony Dean**

Web site is set for new 2015 year.

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Tony has asked for feedback on current website.

BOD has now listed as one of GOALS- we need to develop a PR article informing local Akron and surrounding areas about SPE Akron Section- very active, Awards and particularly monies over past many years for Scholarships.

# Minutes of Board Meeting – January 26 (cont.)

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Jenny needs BOD inputs on monthly basis.

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Dan confirms he has advertising set in Newsletters and website for Hall of Honor candidates for local Section awards in May 2015.

Dan will confirm with Intl for future years review Honored Service and Fellows for Akron Section.

## **Education Committee: Kevin Cavicchi**

Kevin has informed Viv allset with Essay Contest- Akron section only.

Kevin to inform soon re next Science Fair for 2015.

## **Education Foundation: Bob Wegelin**

BOD has asked for sub-committee to set up policy for funding from Akron Section to Foundation for Awards and Scholarships.

Suggested money raising event for 2014-15 year.

## **TPE TOPCON: Viv Malpass**

Next TPE TOPCON set for Akron- Sept 2016.

## **VINYLTEC TOPCON 2015: Rob Weiler**

Next meeting set for Feb 4

## **Old Business**

Confirm attendance to Engineers Week- Feb 26 2015

Confirm interest to support SAC/NGAB for 2015

Confirmed that Keith Pelfrey would attend as well Dan Jones as involved in past to great a deal

Determined after further review would use monies for local Student Chapter rather than Intl events for 2015

## **New Business**

Confirmation of Akron Section seed money amount for Vinyltec

ACCESS Meeting- STEM Program- David Schultz.

Determined since 50/50 venture with Vinyl Div Akron Section would as well seed with \$4,000, anticipate per Treasurer and Vinyl will have higher amount out put as a larger Conference expected

STEM- Meeting set for March 3 at ESC-Cuy Falls

D Schultz reviewed entire scenario as set up by Organizing Committee

Dr Missi Zender Sakach, David Schultz and Christie Robinson- see attached for details

Webinars of monthly technical meetings – Dan Jones

Dan Jones reported no progress, but would continue to try to develop in new SPE year working with Intl- Scott Marko.

## **Adjournment**

Meeting was adjourned at 6:45 p.m.

The next meeting of the Akron SPE Board of Directors will be February 23, 2015 at the Univ. of Akron Polymer Engineering Center at 5:30 p.m.

# Highlights from January Meeting



*Social hour*



*Bob Wegelin (left) and Gary Taylor*



*Dr. Christopher J. Murphy, Chief Innovation Officer, PolyOne Corp*



# Highlights from January Meeting



*Social hour*



*Dinner*



# 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**  
*-- Wolf Creek Winery – Akron\**

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

Feb. 9 **Sabco 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, Technical Program, TopCon 2014  
 vivian.malpass@tek-mark.com

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 robert.wegelin@att.net

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*Case Western Reserve Univ.*  
 Director mwmensch@gmail.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](http://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 31<sup>st</sup>, 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 <sup>st</sup> 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 31<sup>st</sup>, 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 20<sup>th</sup>, 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](mailto: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](http://www.4spe.org)

Academic Outreach	Marjorie Weiner	+1 978.618.5496	<a href="mailto:mweiner@4spe.org">mweiner@4spe.org</a>
Annual Awards	Kathy Schacht	+1 203.740.5430	<a href="mailto:kschacht@4spe.org">kschacht@4spe.org</a>
ANTEC Booth Sales	Chuck Herrholtz	+1 770.576.4974	<a href="mailto:cherrholtz@naylor.com">cherrholtz@naylor.com</a>
ANTEC Conference Management	Barbara Spain	+1 203.740.5418	<a href="mailto:bspain@4spe.org">bspain@4spe.org</a>
ANTEC Paper Submission	Barbara Spain	+1 203.740.5418	<a href="mailto:bspain@4spe.org">bspain@4spe.org</a>
ANTEC Conference Sponsorship	Barbara Spain	+1 203.740.5418	<a href="mailto:bspain@4spe.org">bspain@4spe.org</a>
The Chain	Sarah Sullinger	+1 203.740.5425	<a href="mailto:ssullinger@4spe.org">ssullinger@4spe.org</a>
Change of address	Customer Relations	+1 203.740.5403	<a href="mailto:customerrelations@4spe.org">customerrelations@4spe.org</a>
Communications	Sarah Sullinger	+1 203.740.5425	<a href="mailto:ssullinger@4spe.org">ssullinger@4spe.org</a>
Communications Excellence Award	Kathy Schacht	+1 203.740.5430	<a href="mailto:kschacht@4spe.org">kschacht@4spe.org</a>
Conference Sponsorship (TopCons)	Sue Wojnicki	+1 203.740.5420	<a href="mailto:swojnicki@4spe.org">swojnicki@4spe.org</a>
Dues Renewals and New Members	Customer Relations	+1 203.775.0471	<a href="mailto:customerrelations@4spe.org">customerrelations@4spe.org</a>
Employment Advertising	+1 888.491.8833 At prompt please press 4. The extension is 1063		<a href="mailto:customerservice+64639@support.boxwoodtech.com">customerservice+64639@support.boxwoodtech.com</a>
Fellow & Honored Service Nominations	Kathy Schacht	+1 203.740.5430	<a href="mailto:kschacht@4spe.org">kschacht@4spe.org</a>
Governance Liaison	Kathy Schacht	+1 203.740.5430	<a href="mailto:kschacht@4spe.org">kschacht@4spe.org</a>
Managing Director	Russell Broome	+1 203.740.5471	<a href="mailto:rbroome@4spe.org">rbroome@4spe.org</a>
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Membership Programs/Retention	Sue Wojnicki	+1 203.740.5420	<a href="mailto:swojnicki@4spe.org">swojnicki@4spe.org</a>
Mobile App – SPE Events	Barbara Spain	+1 203.740.5418	<a href="mailto:bspain@4spe.org">bspain@4spe.org</a>
Pinnacle Award	Kathy Schacht	+1 203.740.5430	<a href="mailto:kschacht@4spe.org">kschacht@4spe.org</a>
<i>Plastics Engineering</i> magazine advertising	Roland Espinosa	+1 201.748.6819	<a href="mailto:respinosa@wiley.com">respinosa@wiley.com</a>

Sections, Divisions & Special Interest Group Administration	Kathy Schacht	+1 203.740.5430	<a href="mailto:kschacht@4spe.org">kschacht@4spe.org</a>
SPE Foundation / Scholarships & Grants	Gene Havel	+1 203.740.5457	<a href="mailto:ghavel@4spe.org">ghavel@4spe.org</a>
SPE Industry Resource Guide		+1 800.816.6710	<a href="mailto:spe@multiview.com">spe@multiview.com</a>
Student Chapters	Scott Marko	+1 203.740.5442	<a href="mailto:smarko@4spe.org">smarko@4spe.org</a>
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Website Administration	Pedro Matos	+1 203.740.5438	<a href="mailto:pmatos@4spe.org">pmatos@4spe.org</a>

# SPE MEMBER BENEFITS GUIDE



FREE TO MEMBERS

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

SAVINGS TO MEMBERS

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

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

## **WHY JOIN ?**

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

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

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

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

**WHY NOT?**



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

---

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

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**Insertion Order 2014-15**

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

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

This is the 56<sup>th</sup> 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](mailto:francis@neo.rr.com)**

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

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

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

**Contact Person                      Billin                      g Information:**

Company: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone #: \_\_\_\_\_  
Fax #: \_\_\_\_\_  
Email address: \_\_\_\_\_

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



# Society of Plastics Engineers

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.*

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 we may apply payment to the correct person.

**USD:** WELLS FARGO: 108 Federal Road, Danbury, CT 06811 USA  
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# \_\_\_\_\_