

Polymer Valley NEWS

The Newsletter of the Akron Section of the Society of Plastics Engineers
Our 56th Year of Education and Service to the Plastics Industry

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Holiday Gathering

Monday, December 8, 2014

5:30 p.m.

the Winery at Wolf Creek

**2637 S. Cleveland Massillon Road
Norton, Ohio 44203
(800) 436-0426**



We will have an excellent presentation on Ohio Wines by the wine experts at The Winery at Wolf Creek



Costs, Schedules, Reservations

Member and/or guest	\$25
Retired	\$20
Student	\$10

Social / Networking / Bar	5:30 p.m.
Dinner	6:00 p.m.
Madrigal Singers	6:30 p.m.
Program/Speaker	7:00 p.m.

Reservations must be in by noon on Friday, Dec. 5 and can be made to Gary Taylor at akronspe1@gmail.com or 330-419-4380

Please be sure to any dietary restrictions.

Coming Up:

➤ January 12 – PolyOne

Dec. 2014, Page 1



President's Message

Dear Members:

We have received some excellent feedback on our choice of topics for our monthly section meetings in 2014. Both the variety and quality have been praised. Let's hope this continues for our 2015 meetings.

Our next meeting is our Christmas Holiday celebration at The Winery at Wolf Creek in Akron. Come and join us on Monday, December 8 and enjoy the Firestone Madrigals, good food and a presentation on the Wolf creek Winery and their wines. We will end the evening with a wine raffle. Remember there is only room for 48 people so sign up early!

We are progressing 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. We have a planning committee set and our first meeting will be on Wednesday, December 3, 2014. The theme of the 2-day Conference will be "Enabling Technologies for the Future of the PVC Industry". There will also be a Pre-Conference Seminar on Tuesday October 13th. Stay tuned for more information.

I hope you enjoyed your turkey and pumpkin pie and had a Happy Thanksgiving!!!

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

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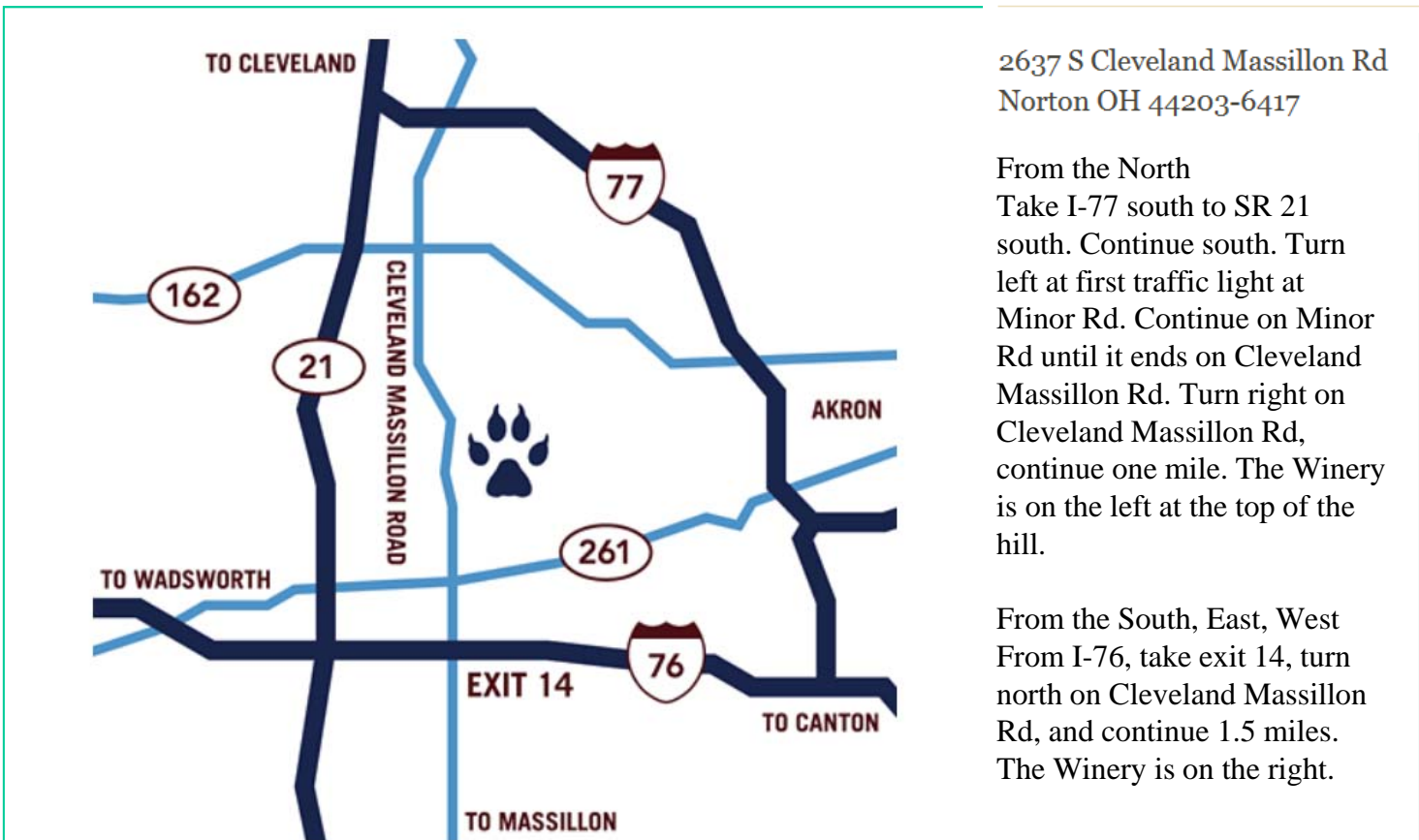
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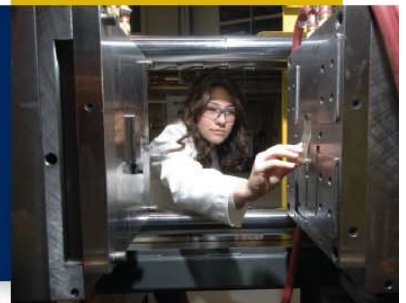
2637 S Cleveland Massillon Rd
Norton OH 44203-6417

From the North
Take I-77 south to SR 21 south. Continue south. Turn left at first traffic light at Minor Rd. Continue on Minor Rd until it ends on Cleveland Massillon Rd. Turn right on Cleveland Massillon Rd, continue one mile. The Winery is on the left at the top of the hill.

From the South, East, West
From I-76, take exit 14, turn north on Cleveland Massillon Rd, and continue 1.5 miles. The Winery is on the right.



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.



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



Advertiser Index

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Picture your ad here

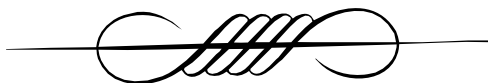
And also on our updated web site:
www.akronspe.org

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 November Meeting

Registration - Gary Taylor (sitting - left) and Bob Wegelin



Social Hour



Highlights from November Meeting

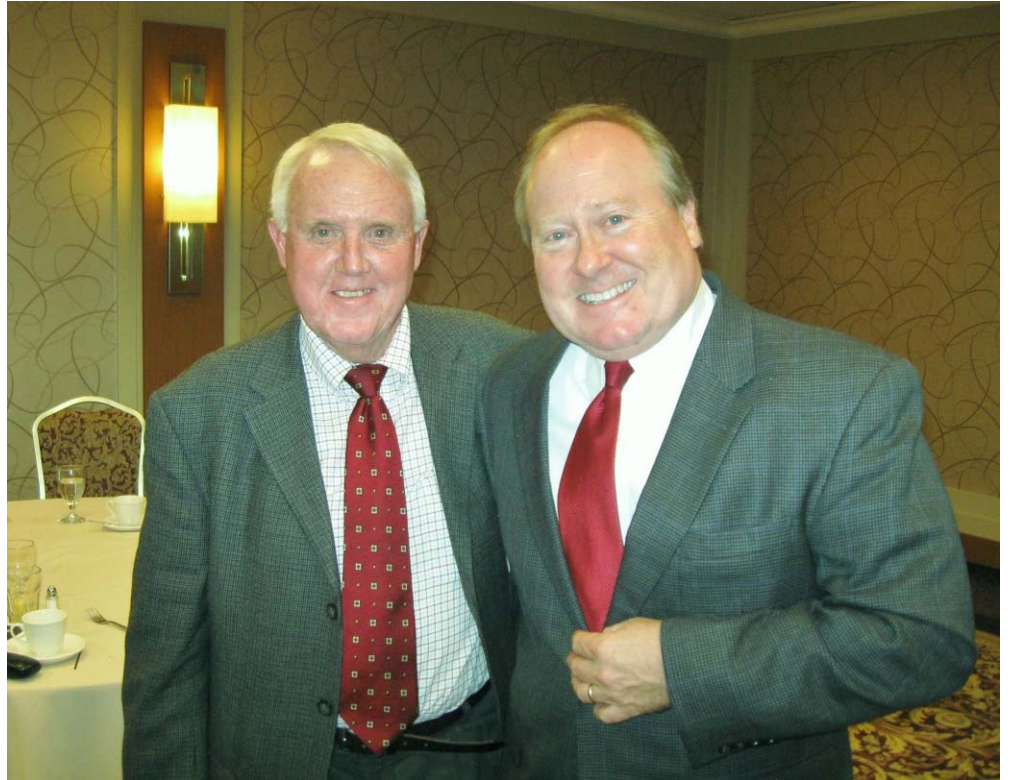


*Speaker Doug Brainard
of ColorMatrix*

Presentation



Highlights from November Meeting



*Vivian Malpass, Akron Section President (left)
and Speaker Doug Brainard*

Left to right - Vivian Malpass and Bob Wegelin



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 image is a promotional graphic for Struktol. At the top, the word "struktol" is written in a bold, red, sans-serif font, enclosed in a red-bordered box with a slight 3D effect. Below this, a horizontal bar is split into two sections: a grey section on the left with the text "One Click" and a red section on the right with the text "Additive Solutions" in white. A white hand cursor icon is positioned over the red section. The background features a green and blue swirling pattern with several translucent, brownish-orange spheres scattered throughout. At the bottom, the website address "www.4struktol.com" is displayed in a bold, red font. Below the website address, the text "Struktol Company of America" is written in a smaller, red font, followed by the address "201 E. Steels Corners Road | P.O. Box 1649 | Stow, OH 44224-0649" and contact information "330-928-5188 | 800-327-8649 | Fax: 330-928-0013 | Email: customerservice@struktol.com" in a small, black font.

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**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 17)**

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



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Minutes of Board Meeting – November 24, 2014

Call to Order: 5:30 PM at PEAC

Present: Viv Malpass, Dan Jones, Keith Pelfrey, Dave Schultz, Gary Taylor, Bob Wegelin and Tom McQuaide

Absent: Tony Dean, Joe Mattingly, Kevin Malpass, Robert Weiler, Martin Mensch, Matt Crowder, Mark Holtman and Kevin Cavicchi

Viv Malpass thanked Keith Pelfrey for handling meeting of BOD for him October 2014 and provided his Agenda format below:

Organization

Section Goals

Committee Members/Assignments

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 2014 -- Viv Malpass/Rob Weiler

Old Business

Recruitment

New Business

ACCESS meetings

STEM Program-DRS

Minutes reviewed briefly by Secretary approved by BOD.

Organization

Section Goals - Viv reviewed the recently developed and finalized GOALS for 2015-16 with BOD- Dave to forward to all BOD Members for review and commentary as to suggested actions needed to reach goals be sent to Viv by Jan 5.

Pinnacle Award along with Work plan has been filled out by Dan Jones and has been submitted.

Program - 2015-16-Keith Pelfrey - Keith informed that he is in process of determining good themes along with Ric Keeley- Cleveland 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 – November 24 (cont.)

Committee Reports

Technical Program: Keith Pelfrey

Keith informed that Nov 10- Color Matrix- PolyOne Program at Hilton- Westside Akron- went well with 37 attending.

Dec 8- Holiday Celebration- Wolf Creek Winery limited to 48- all set.

His plan currently is to proceed with an increased amount of diversification in our programming- appears to be paying off with increased interest at both Cleve and Akron Section and joint meetings.

House: Bob Wegelin / Gary Taylor

Bob Wegelin and Gary Taylor inform that next two venues are set- Dec and Jan.

In Dec plan to have lanyards and badge holders available.

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

Membership: Rob Weiler

No report.

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 activity to date along with new format to include copy of Bank Statement on line.

Bob Wegelin informs that he has secured help for review of finances - yearly.

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

Gary reports he has found a cell phone program for credit cards – plans to review.

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.

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 (university students) currently employed by large local companies.

Awards: Dan Jones

Dan confirms he has advertising set in Newsletter 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.

Minutes of Board Meeting – November 24 (cont.)

Public Interest/Website: Tony Dean

Web site is set for new 2015 year.

Need to get new advertisers for year.

Nicole Brostowitz- student U of A/PESO 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.

Newsletter: Tony Dean

Jenny needs BOD inputs on monthly basis.

Education Committee: Kevin Cavicchi

Kevin has informed Viv all set 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 numbers are in for finances along with results of survey.

Plans to complete report- Dec 1.

Next TPE TOPCON set for Akron- Sept 2016.

Vinyltec TOPCON: Bob Weiler

Vinyltec 2015 has now been confirmed per Bob Weiler-Vinyl Div- Akron to co-host October 13-15.

Contract has been sent and confirmed by Intl.

Meeting set for Dec 3 Akron Section Committee to review rules of engagement as we move forward to develop plan.

Old Business

Recruitment—New BOD members being added—more needed.

New Business

ACCESS –set for Jan 2014 Joint Meeting.

STEM Program being reviewed and confirming dates- currently.

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 6:55 p.m.

The next meeting of the Akron SPE Board of Directors will be December 22, 2014 at the Univ. of Akron Polymer Engineering Center at 5:30 p.m.

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 **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, TopCon 2014 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

Bob Wegelin 330-414-1498 T
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

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

Robert Weiler 330-283-9024 T
Amfine Chemical Corp. rweiler@amfine.com
 Director, Membership

Mark Holtman 330-972-6008 T
U Akron Polymer Engineering 330-258-2339 F
 Director holtman@uakron.edu

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

Tom McQuaide 330-630-7113 T
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@plastics101.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!

The direct telephone numbers listed below are temporarily out of service. Until this issue is resolved please call SPE's main number +1 203-775-0471.



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	Gail Bristol	+1 203-740-5447	grbristol@4spe.org
Annual Awards	Kathy Schacht	+1 203-740-5430	kschacht@4spe.org
ANTEC Booth Sales	Chuck Herrholtz	+1 770-576-4974	cherrholtz@naylor.com
ANTEC Conference Management	Barbara Spain	+1 203-740-5418	bspain@4spe.org
ANTEC Paper Submission	Barbara Spain	+1 203-740-5418	bspain@4spe.org
ANTEC Conference Sponsorship	Barbara Spain	+1 203-740-5418	bspain@4spe.org
Change of address	Customer Relations	+1 203-740-5403	customerrelations@4spe.org
Communications Excellence Award	Kathy Schacht	+1 203-740-5430	kschacht@4spe.org
Conference Sponsorship (TopCons)	Sue Wojnicki	+1 203-740-5420	swojnicki@4spe.org
Corporate Outreach	Gail Bristol	+1 203-740-5447	grbristol@4spe.org
Dues Renewals and New Members	Customer Relations	+1 203-775-0471	customerrelations@4spe.org
Employment Advertising		+1 888-491-8833 Ext. 1063	customerservice+64639@support.boxwoodtech.com
Fellow & Honored Service Nominations	Kathy Schacht	+1 203-740-5430	kschacht@4spe.org
Governance Liaison	Kathy Schacht	+1 203-740-5430	kschacht@4spe.org
Marketing Director	Tom Conklin	+1 203-740-5453	tconklin@4spe.org
Membership Processing/Questions	Customer Relations	+1 203-740-5403	membership@4spe.org
Membership Programs/Retention	Sue Wojnicki	+1 203-740-5420	swojnicki@4spe.org
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	Gail Bristol	+1 203-740-5447	grbristol@4spe.org
SPE Industry Resource Guide	Gail Bristol	+1 203-740-5447	grbristol@4spe.org
Student Chapters	Scott Marko	+1 203-740-5442	smarko@4spe.org
Submission of editorial material for <i>Plastics Engineering</i> ; questions regarding SPE journals	Gail Bristol	+1 203-740-5447	grbristol@4spe.org
Topical Conference Planning	Sue Wojnicki	+1 203-740-5420	swojnicki@4spe.org
Topical Conference Registration	Sue Wojnicki	+1 203-740-5420	swojnicki@4spe.org
Webinars (non-registration)	Barbara Spain	+1 203-740-5418	bspain@4spe.org
Event Registrations	Customer Relations	+1 203-740-5403	customerrelations@4spe.org
Website Administration	Pedro Matos	+1 203-740-5438	pmatatos@4spe.org

SPE MEMBER BENEFITS GUIDE



FREE TO MEMBERS

	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

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

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

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

Contact Person Billing Information:

Company: _____

Name: _____

Address: _____

Phone #: _____

Fax #: _____

Email address: _____

Mail checks, payable to AKRON SECTION SPE, to:

Akron Section SPE
c/o Tony Dean
Akron SPE
250 S. Forge Street
Akron, OH 44325-0301



Society of Plastics Engineers

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: \$444.00 \$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 #WFBUS6S

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# _____