

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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Technical Meeting

Monday, October 13, 2014
11:00 a.m. (sign in 10:30)

Nottingham Spirk

2200 Overlook Road
Cleveland, Ohio 44106
(216) 231-7830



Industrial Design, Tour at 11:00 a.m.

Lunch buffet following at 1:00 p.m.

Night Town
12387 Cedar Road
Cleveland, OH 44106
216-795-0550



See page 2 for information

Costs, Schedules, Reservations

Member	\$25.00
Tour	11:00 a.m.
Lunch buffet	1:00 p.m.

Reservations due by Oct. 8 –
see directions on page 3

Coming Up:

➤ November 10 –
ColorMatrix / PolyOne Corp.

Oct. 2014, Page 1



About Nottingham Spirk:

Have you ever had an idea for a new product or an improvement for an existing product? Or maybe you need a new product line altogether? Perhaps you can fabricate early concepts in your shop, but then how do you turn your idea into a final product that you can manufacture profitably? What target markets could the product do best in? Can you develop intellectual property around the product? What do you name this product? How do you package it, so that it sells? To answer these questions and many more, most companies turn to a Product Design Shop and fortunately for those of us in Northeastern Ohio we have one of the largest, most innovative and integrated business innovation firms in the country, in our own backyard, Nottingham Spirk to help you.

The Nottingham Spirk Innovation Center is a 60,000 square foot facility filled with over seventy experts with all the right skills and all the necessary equipment working together to make ideas into products using a process they developed called Vertical Innovation. Their process cuts the development time and gets your products to market faster and more cost efficiently. During our visit, we will have the Vertical Innovation Process explained to us and have a chance to see it in action. But to do this we have to come during their working hours, which caused the Cleveland SPE Section to innovate and have our first ever Brunch Meeting.

The number of successful products developed by Nottingham Spirk is too numerous for us to mention in our newsletter, but I urge you to visit their website at <http://www.nottinghamspirk.com/> and see many of their innovative product designs that you will be familiar with. You can also find more information at <http://www.nottinghamspirk.com/vertical-innovation/> <https://www.youtube.com/watch?v=gN2Zu1c7X44> <http://www.forbes.com/sites/danalexander/2014/02/12/the-invention-machine-cleveland-duo-churns-out-ideas-worth-billions/> <http://www.crainscleveland.com/article/20130707/SUB1/307089967/nottingham-spirk-is-sparking-innovation>

Finally, if this interests you, don't wait to the last minute to register, since we only have fifty places for this tour and they will fill-up fast!

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REGISTRATION FORM for NOTTINGHAM SPIRK INNOVATION CENTER TOUR

Name: _____
Company: _____
Phone Number: _____
email address: _____

Mail with check for \$25.00 per attendee. Make check payable to the Cleveland Section SPE.

Send Registration with Check to: Dan Crist
Cleveland SPE
P.O. Box 845
Brunswick, Ohio 44212

Reservations:

Only active (2014-2015 dues current) members of The Society of Plastics Engineers are eligible to attend. All attendees must be pre-registered, pre-paid and pre-approved. No 'at the door' registrations will be allowed.

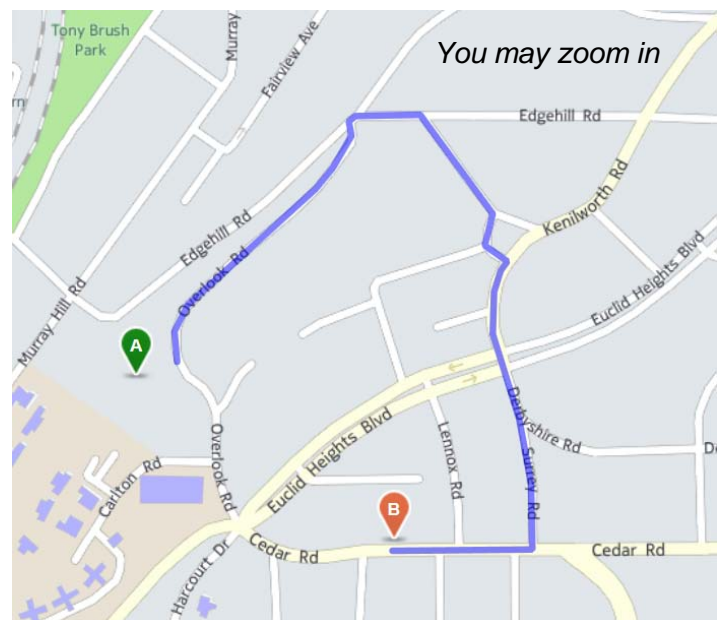
All registrations must be made by mailing the filled out form above with a check made out to the Society of Plastics Engineers, Cleveland Section.

The tour will be limited to 50 attendees and reservations will be accepted in the order of their arrival. Registration will close Wednesday, October 8, 2014. Approved attendees will receive a parking permit and ticket by e-mail no later than Friday, October 10, 2014. All unsuccessful and refused registrants will be notified by email and their checks will be mailed back at this time.

Nottingham Spirk reserves the right to exclude any tour attendee for any reason.

Directions from Nottingham Spirk to
Night Town
12387 Cedar Road
Cleveland, OH 44106

Turn right to stay on Overlook Rd
Bear right onto Edgehill Rd
Bear right onto Derbyshire Rd
Turn right to stay on Derbyshire Rd
Turn right to stay on Derbyshire Rd
Bear right onto Surrey Rd
Turn right onto Cedar Rd
Your destination on Cedar Rd is on the right.
The trip takes 0.8 mi/1.3 km and 3 mins.





Directions to Nottingham • Spirk Innovation Center

From Interstate 77 

page 1

- 1** - Take **I-77 North** into Cleveland. Merge onto **I-90 East** (approx. 1/4 mile)
- 2** - Exit at **Chester Ave. Turn Right** (east) on Chester (away from downtown)
- 3** - Approaching University Circle, after **E. 105th St.** stay in the **Left Lane**



- 4** - As you approach the above intersection to **make a left (east) onto Euclid Ave. (State Routes 322 and 20)**, you may notice the yellow-walled, white, tent-like roofed Cleveland Children's Museum on the right

- 5** - **Turn left** at the light onto **Euclid Ave. (east)**
- **Severance Concert Hall** will be on your Left



(continued on page 2)



Directions to Nottingham • Spirk Innovation Center

From Interstate 77 

page 2

- 6** - Turn right (south) onto
Adelbert Rd.
- Travel approx. 1/4 mile



Right (south) on Adelbert Road

- 7** - At the first stop sign, turn right
- **Adelbert Rd.** continues over the
bridge



Right at first stop sign

- 8** - Just after bridge, turn left at the
traffic light onto **Murray Hill Rd.**
(a brick street)
- Travel approx. 1/4 mile to first
intersection



Cross Murray Hill, follow arrow up hill

(continued on page 3)



Directions to Nottingham•Spirk Innovation Center

From Interstate 77 

page 3

- 9** - At first stoplight, (**Cornell Rd.**)
turn right
- Cornell turns into **Edgehill Rd.** as
it makes a sharp left curve and
continues up the hill



Turn right at Cornell Road

- 10** - At top of hill, take a sharp **right**
hairpin turn onto **Overlook Rd.**
- **Warning!** Oncoming traffic from
Overlook Road does not
have to stop



WARNING!

- 9** - Travel along the wooded ridge until
you see our building at the right

For parking instructions, or
if you have questions,
please call: **216-231-7830**

Nottingham•Spirk Innovation Center
2200 Overlook Road, Cleveland, OH 44106



NS Innovation Center

Advertiser Index

Akron Polymer Training Center	9
David Industrial Sales	2
Dover Chemical	2
Polysort	8
Struktol	8

Picture your ad here

And also on our updated web site:

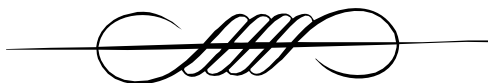
www.akronspe.org

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



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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 17) if you are interested.

Thank You!

If prospects can't find your website on Google, will it generate leads?

Polysort -- serving plastics companies for 18 years

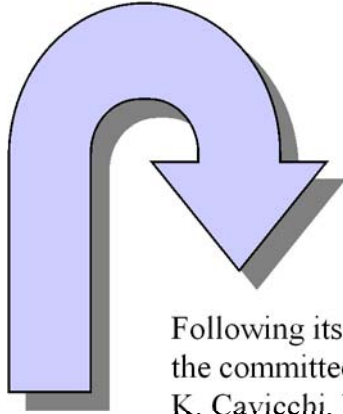


- **Search Engine Optimization**
- **Website design**
- **Internet marketing**

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 Tel. 330.665.5918 ext. 2104
 E-mail John Inama at johni@polysort.com



New Directions Initiative

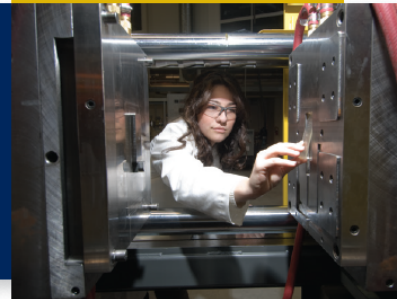


An initiative has been undertaken to develop a set of new directions for the SPE Akron Section with the objectives of revitalization and operational efficiency. Elements to be addressed include technical program focus, section functioning, member involvements, inter-society interactions, meeting venues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

Customized training programs also are available. Contact APTC at **330-972-8661** or tahir@uakron.edu.



2nd Bioplastic Materials Topical Conference® 2014

*The World of Biopolymers
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Tutorial

October 1-2, 2014
Conference

Chicago, Illinois USA

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SPE Bioplastics SIG in partnership
with the SPE Chicago Section*

Exhibitor & Sponsorship Opportunities

Companies interested in
table-top displays and/or
sponsorship opportunities may
contact:

Kelvin Okamoto
TopCon Co-Chair
kelvin@greenbottomline.com

or

Kimberly Rush
Chicago Section
TopCon Co-Chair
krush@polyformproducts.com

Join us in Chicago for the Bioplastics Conference

KEYNOTE SPEAKERS

KENNETH MILLER, Retired from Sabic: *"Sustainability"*
WILLEM DE VOS, SPE CEO: *"Innovating in the Age of Interaction"*

ADDITIONAL SPEAKERS

Edwin Tam, Teknor Apex	Dorie Yonz, Segetis
Doug Hirt, Clemson University	Meg Sobkowicz-Kline, UMass Lowell
Ala Wattawi, Clemson University	Samaneh Rahimi, Michigan State University
Alex Utracki, Coperion	Sam McCord, MCG BioComposites
Kelvin Okamoto, Green Bottom Line	Keisha Walter, Mississippi State University
Kevin Cai, Teknor Apex	Alan Boardman, Brigham Young University
Amy Yousefi, Miami University	Maik Feldmann, University of Kassel
Robert Joyce, Innovative Plastics & Molding	

REGISTER ONLINE

<http://tinyurl.com/bioplasticstopcon>

HOTEL INFORMATION

Embassy Suite Hotel
Schaumburg, IL
PH: + 1 847-397-1313
Group Code: SPE

QUESTIONS? CONTACT:

Edwin Tam, SPE Bioplastics Co-Chair
PH: +1 339-222-8076 | etam@teknorapex.com

International Elastomer Conference

- featuring the International Rubber Expo, 186th Technical Meeting & Educational Symposium

October 14-16, 2014 – Nashville, TN

Rubber Division, ACS is the only organization dedicated to the advanced technologies of the rubber industry. Our International Elastomer Conference is the premier place where customers, suppliers of materials, equipment, tools and services, and educators come together. It provides a forum for the exchange of ideas, observations, regulatory reforms and emerging scientific technologies, as well as learning, networking, seeing current customers and making new ones.

- over 160 companies/organizations exhibiting at the expo
- over 100 speakers ready to share their knowledge at the Technical Meeting
- 7 courses at our Educational Symposium
- expo theater presentations, Student Colloquium & Poster Session, career fair, 5K walk/run and more will be featured

Visit www.rubberiec.org for details.



Membership Report

As of August, Akron section has 276 current members and 52 members lapsed in the last 12 months.

Here is a breakdown of the membership by company (more than 4 members) where the members have indicated a company.

Membership chair, Robert Weiler

Company	Registered
A Schulman	8
Americhem	10
Dover Chem	6
Exxon Mobil	6
Network Polymer	4
Owens Corning	5
Parker Hannifin	6
PolyOne	5
Struktol	4
University of Akron	31

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- Eco-Flex®
- Polytrope STR®
- Optum®
- Invision®

Come See the New ASI at the 2014 SPE: Automotive TPO, Thermoforming, and Thermoplastics Elastomers Conferences

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Minutes of Board Meeting August 25, 2014

Call to Order: 5:30 PM at PEAC

Present: Viv Malpass, Dan Jones, Keith Pelfrey, Dave Schultz, Kevin Malpass, Robert Weiler, Mark Holtman, Kevin Cavicchi and Martin Mensch plus New PESO Liaison- Matt Crowder

Absent: Joe Mattingly, Gary Taylor, Bob Wegelin and Tony Dean

Viv Malpass called meeting of BOD for 2014-15 Akron Section SPE and provided his Agenda format for the year below:

Organization

- Section Meetings
- BOD Meetings
- Section Goals
- Leadership
- 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

Old Business

- Recruitment
- New Member Recognition

New Business

- 2015 Vinyl TOPCON -- Rob Weiler

Organization

Section Meetings - new meeting added by Cleveland section Sept 8 - A. Schulman Tour- need details but plan to send immediately basic information blast- Viv.

Pocket calendar and welcome letter sent to Section members.

BOD Meetings- Outlook meeting request sent by Kevin Malpass for Viv Malpass on Monday Aug 25 - will be at end of month for year 2014-15.

Need to forward to Martin Mensch- Lubrizol and Matt Crowder.

Section Goals- Viv will review Intl website for details for all important reports including Goals and Awards and report to BOD - Target date for completion Dec 2014.

Leadership - BOD is set for 2014-15 looking for new Members for BOD and Committees.

Committee Members/Assignments – review in progress to complete roster.

Minutes of Board Meeting – August 25 (cont.)

Secretary: Dave Schultz

Minutes for June were disseminated for further review and approval at Sept BOD.

Committee Reports

Technical Program: Keith Pelfrey

Keith provided latest information on the Program that is set for the year - note added date- Sept 8 during month Akron section TPE Topcon - reviewed potential for same scenario for Oct 2015- as Vinyltec in Akron.

House: Bob Wegelin

Bob Wegelin and Gary Taylor will share house duties for year - meetings set for Hilton-Akron.

Membership: Rob Weiler

Bob reports membership at 276 members with 52 lapsed - mostly U of A students. Determined need to attempt to locate and contact for status of this large group of students - request help from Prof. Cavicchi and Intl SPE.

Plans will be set to differentiate New Member name tags at meetings.

Treasurer: Gary Taylor

No report.

Councilor: Kevin Malpass

Kevin reports he plans to be on remote attendance - Conference call for New Orleans Council meeting. Kevin has requested BOD member supply him by end of August items of interest for Akron section at Council Meeting.

Student Chapter: Matt Crowder - PESO Liaison

Matt Crowder was able to join us for a good portion of BOD meeting provide him background on SPE and details concerning student involvement shared great interest to try to attract more student SPE members and to have added involvement by local SPE members in PESO functions.

Need calendar of events as developed.

Public Interest/Website: Tony Dean

Web site is set for new year.

Need to get added advertisers for year with current advertisers including: David Industrial Sales, Dover Industrial Chemicals, Akron Polymer Training Center and Struktol Corp.

Total income of \$650 with Polysort is an exchange.

BOD decided that 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

No report.

Awards: Dan Jones

Dan in process of gathering information for Intl SPE awards for section members - target date Nov 1, plus will be advertising in Newsletter and website for Hall of Honor candidates for local Section awards in May 2015.

Minutes of Board Meeting – August 25 (cont.)

Education Committee: Kevin Cavicchi

Kevin has provided report where he informs that Intl has discontinued the Essay contest but Akron Section will continue to fund and provide awards to students, and he is set for Scholarships and Science Fairs for this school year.

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

Kevin reports we are set for main Sponsors for upcoming TOPCON in mid Sept. in Akron. We are in need of Table top Exhibits-currently have 12 target 24-30; need a couple of added Lunch and Coffee Break Sponsors. We have total 84 attendees (including sponsors, table tops and speakers) signed up with target for 120.

Old Business

Recruitment

New Member Recognition

New Business

2015 Vinyl TOPCON -- Rob Weiler

Vinyltec 2015 per Bob Weiler-Vinyl Div- is set for October 13-15 in Akron

Action - Viv Malpas and Bob Weiler to get together to develop supporting paperwork

Vinyl Div – Liaison –Bob Weiler

Akron Section needs to set up Committee to handle logistics.

Webinars of monthly technical meetings – Dan Jones

- Dan Jones reported no progress, but would continue to try to develop in new year.

Leaders for 2014 -2015 Year – set for year

President: Vivian Malpass

Secretary: Dave Schultz

Councilor: Kevin Malpass

Awards Committee Chair: Dan Jones

Membership Committee Chair: Robert Weiler

House Chair: (Bob Wegelin/ Gary Taylor)

2015 VINYL TOPCON—Robert Weiler

2014 TPE TOPCON Planning Comm. Chair: Vivian Malpass

President-elect/Program: Keith Pelfrey

Treasurer: Gary Taylor

Student Chapter SPE Liaison: Matt Crowder

Education Foundation Chair: Bob Wegelin

Newsletter/Website Editor/Advertising/

Communications Chair: Tony Dean

Newsletter: Jenny Digiantonio

The above slate has been approved by the board.

Adjournment

Meeting was adjourned at 7:00 p.m.

The next meeting of the Akron SPE Board of Directors will be September 29, 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**
*-- 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

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

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Harwick Standard Dist. Corp. 330-798-9328 F
 Secretary schultzd@harwickstandard.com

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

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

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

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

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

Bob Wegelin 330-414-1498 T
Retired
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 robert.wegelin@att.net

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.
 Director, Membership
 rweiler@amfine.com

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

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

Martin Mensch 570-441-8951 T
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 for forms and rules

For more information contact:

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



2015 "Wonders of Plastics" Essay Contest

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

Eligibility

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

Prizes

First place high school essay - \$100

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

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

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

Topics to consider

Advantages of plastics in food packaging

Creative use of recycled plastics

How plastics benefit humankind

How plastics improve our lifestyle

Plastics in the environment

Plastics usefulness in society

What plastics has done for me

Why the bad reputation of plastics is wrong

Submit your Essay to

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

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

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

Email: kac58@uakron.edu

Entry must be postmarked by January 31st, 2015!

REQUIREMENTS FOR SUBMISSION

General

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

Organization

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

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

Mechanics

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

Judging

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

ENTRY FORM

Title: _____

By: _____
type or print

about the author(s)

Name(s) _____ age _____

_____ age _____

Grade in School _____

Address(es) _____

Phone Number(s) _____

E-mail(s) _____

about the school

School _____

Address _____

City/State/Zip _____

Phone/Fax _____

Teacher _____

Class _____

Submit your Essay to

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

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

Email: kac58@uakron.edu

Entry must be postmarked by January 31st, 2015!



2015 Scholarship Application & Renewal Akron Section - Education Foundation

1. Applicant Name: _____
2. Your Home Address: _____
City: _____ Zip: _____ Home Phone: _____
3. Your Address at School: _____
City: _____ Zip: _____ School Phone: _____
Your Email address: _____
4. Current School: _____
Course of Study: _____
Cumulative GPA: _____
5. School/College to be attended: _____
Proposed Course of Study/Major: _____
Expected Degree: _____ Expected _____ Graduation Year: _____

New Applicants Only, please continue:

6. Please briefly describe how you intend to finance your education: _____

7. Current and Past School Activities: (attach separate sheet or resume if necessary – 1 page only please)____

8. On a separate sheet of paper, type a short discourse (no more than two pages) describing your enthusiasm and interest in pursuing a career in plastics, as well as how your intended field of study will help you achieve your career goals.
9. Have **two** (and only 2) academic references (instructors or supervisors) provide the committee with a letter documenting their insights on your scholastic achievements and potential for future success in the fields of plastics and polymers. Attach these references to this application.

All applications must include a current transcript.

All Applicants return application by March 20th, 2015 to the following address:

**Akron SPE
Attn: Kevin Cavicchi
250 S. Forge St
Akron, OH 44325-0301**

For questions, please contact Kevin Cavicchi, phone: 330-972-8368, or email kac58@uakron.edu



AKRON SECTION SOCIETY OF PLASTICS ENGINEERS



NOMINATION FORM FOR ELECTION OF CANDIDATES TO THE PLASTIC HALL OF HONOR

Election to the **Plastics Hall of Honor** is conferred upon Akron area men and women who meet the following criteria

1. Displayed exceptional effort and accomplishment in the field of Plastics, and Polymers.
2. Displayed extraordinary dedication over many years that has contributed to the growth of the plastics industry.
3. Has not received national or international recognition.

The **Plastics Hall of Honor** seeks to recognize individuals for their quiet service, loyalty, and support over the years. They are the unsung heroes, the everyday foot soldiers of our industry - area employers, employees, and educators whose accomplishments are lacking only in recognition.

If you personally know such a deserving candidate, please forward your nomination to the selection committee, using this or any mailer.

Name of Nominee (include title) _____

Address _____ Phone No. _____ City _____ State _____
Zip code _____

Present affiliations (Plastics, including dates and positions held) _____

Former affiliations (Plastics, including dates and positions held) _____

Specific contributions (Patents, publications, etc. to plastics industry) _____

Related Plastics activities (Clubs, Organizations) _____

Brief statement supporting the candidate (Attach additional pages, if necessary) _____

Membership in SPE not required to Nominate or to be Nominated

Name of Nominator _____ Signature _____
Address _____ Phone _____

PLEASE MAIL THIS FORM TO ARRIVE BY APRIL 24, 2015 to:
Bob Wegelin 13206 Kaufman Ave. NW Hartville, OH 44632
PHONE: 330-414-1498

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

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

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

Their names and photographs will be displayed in the Plastics Hall of Honor within the University of Akron

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



Who Can Help You Society of Plastics Engineers

13 Church Hill Road, Newtown, CT 06470

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
Book Orders	Bonnie Kaczowski	+1 203-740-5428	bakaczowski@4spe.org
Change of address	Customer Relations	+1 203-775-0471	customerrelations@4spe.org
Communications Excellence Award	Kathy Schacht	+1 203-740-5430	kschacht@4spe.org
Conference Sponsorship (TopCons)	Sue Wojnicki	+1 203-740-5471	swojnicki@4spe.org
Corporate Outreach	Gail Bristol	+1 203-740-5447	grbristol@4spe.org
Dues billing & payments	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/Membership Director	Tom Conklin	+1 203-740-5453	tconklin@4spe.org
Membership Processing/Questions	Customer Relations	+1 203-775-0471	membership@4spe.org
Membership Programs/Retention	Sue Wojnicki	+1 203-740-5420	swojnicki@4spe.org
Pinnacle Award	Kathy Schacht	+1 203-740-5430	kschacht@4spe.org
<i>Plastics Engineering</i> magazine advertising	Roland Espinosa	+1 908-748-6819	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)	Scott Marko	+1 203-740-5442	smarko@4spe.org
Webinar registration	Bonnie Kaczowski	+1 203-740-5428	membership@4spe.org
Website Administration	Pedro Matos	+1 203-740-5438	pmatos@4spe.org

SPE MEMBER BENEFITS GUIDE



FREE TO MEMBERS

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

SAVINGS TO MEMBERS

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

WEBSITE LINKS SUBJECT TO CHANGE - CHECK WWW.4SPE.ORG FOR FULL BENEFITS

WHY JOIN ?

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

Active membership in SPE:

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

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

WHY NOT?



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

Website, E-Blast & Newsletter Advertising

Insertion Order 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 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: \$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# _____