

Polymer Valley News

The Newsletter of the Akron Section of the Society of Plastics Engineers
Our 58th Year of Education and Service to the Plastics Industry

Newsletter Contents

Meeting Announcement	1
President's Message	2
Meeting Location Map	3
Advertiser Index	4
Membership report	4
October meeting highlights	5
Technical Questions on Plastics	6
TOPCON report	7
TOPCON sponsors	
Gold – Kuraray America	8
Premier – Struktol	9
Board meeting minutes	10
Akron SPE Past Presidents	15
Join the Board	15
Job Openings Posted	15
2016-2017 Program	16
Akron Section Board Members	16
SPE Educational Foundation	17
Who Can Help You at SPE	18
Member Benefits Guide	20
Insertion Order form – 2016-17	22
SPE Membership Application	23

Costs, Schedules, Reservations

Member and/or guest	\$25
Retired	\$20
Student	\$5
New Member - first meeting	Free
Sign In, Socializing	5:00 p.m.
Tours in groups of 10	5:30 p.m.
Dinner – Royal Buffet	7:00 p.m.

Reservations must be in by
Wednesday, Nov. 9 via email to
Dan Crist at mail@cmd-tip.com

Note: Attendees must be US Citizens
(due to Reuther Mold's defense
contracts) and not employees of
competitors of Reuther Mold.
Reuther reserves the right to deny
entrance to anyone on this basis.
Please bring a passport in case any
question arises.

Technical Meeting

Monday, November 14, 2016

5:00 p.m.

Reuther Mold & Mfg.

**1225 Munroe Falls Avenue, Cuyahoga Falls,
Ohio 44221**

REUTHER MOLD & MANUFACTURING

Reuther, founded in 1950, designs and builds molds for all black rubber, silicone and TPE/TPR compounds. They also design and build molds for graphite fiber composites, prepregs, crush core, SMC and BMC. They have extensive experience with Invar 36, resin transfer molds, coffin boxes, preform tools, lay-up tools, drill fixtures and more.

With its solid block design and other proprietary features, the performance of the Reuther Cold Runner is claimed to be superior to that of other cold runners.

Reuther's engineers, designers and programmers offer complete mold design services from concept to finished detail mold drawings. Their designers use Solidworks and CATIA V4 & V5 to supply optimum data to CNC machines.

Coming Up:

➤ Dec. 5 – Holiday Party

Nov. 2016, Page 1



President's Message

Greetings, Akron SPE.

I am pleased to report that we had a great meeting earlier this month. James Garrett and Stan Prybyla from Vadxx Energy provided insight into their waste resin to oil venture now operating in Akron. Stan provided the details on how the plastic is converted all the way into clean diesel. James gave us the behind the scenes on how a concept literally in a garage can get turned into a \$20 million operation that is a start to a global footprint. Both facets were fascinating. Judging from the extended Q and A period, I would say the large audience was just as intrigued as I was.

Next month, November 14, Cleveland Section has arranged a tour of Reuther Mold in Cuyahoga Falls. They design and manufacture molds for many thermoplastic and thermoset materials. They have an extremely sophisticated operation. More details are in this newsletter. Sign up early.

Last week I also announced that we are actively looking for new Board Members. We are looking for anyone interested in promoting plastics training and supporting the local plastics industry. Networking with a great group of plastics professionals and having some fun together are a plus. Experience is not required. We are actually seeking younger individuals that can bring a diverse set of skills to our board. You determine the time and effort you put in. Let me or any of our board members know if you are interested or would like more information.

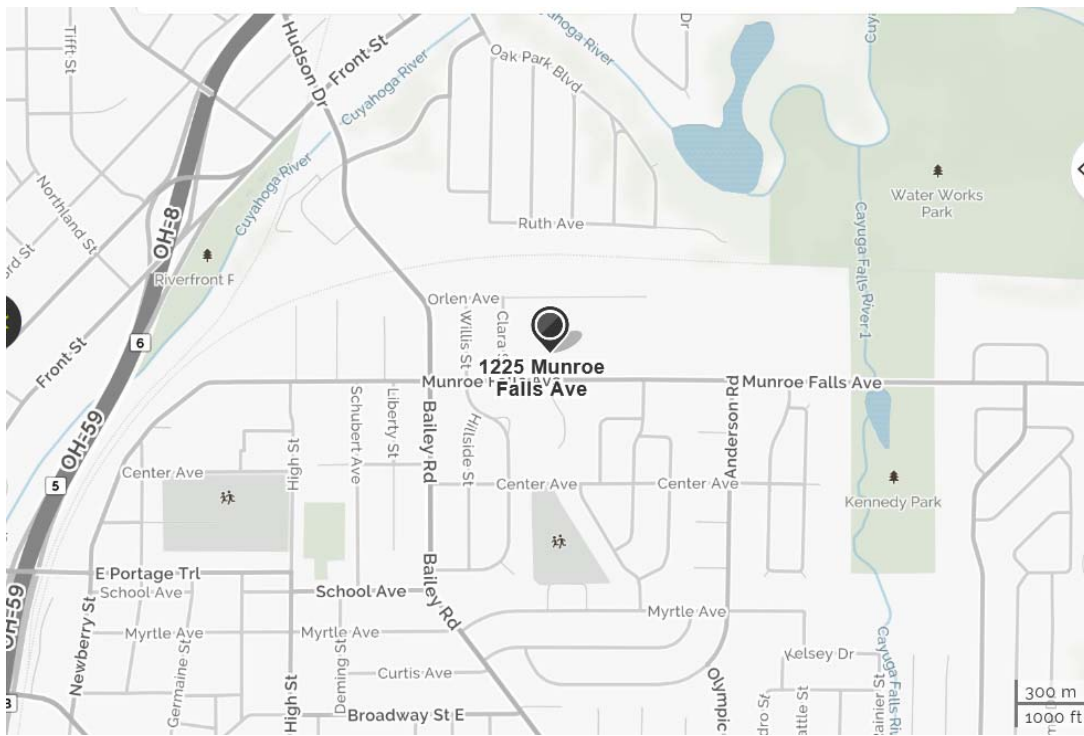
See you next month.

Best Regards,
Robert Weiler,
President 2016-2017 Akron Section of SPE
330-283-9024 rweiler@amfine.com



*President 2016/2017 Year,
Robert Weiler*

	<ul style="list-style-type: none">• Volumetric, Gravimetric, Belt & Screw Feeders		<ul style="list-style-type: none">• Explosion Mitigation & Prevention Equipment for Combustible Dust
	<ul style="list-style-type: none">• Bulk Bag Systems• Mechanical Conveyors• Scale Systems		<ul style="list-style-type: none">• Paddle Mixers• Vacuum Dryers
	<ul style="list-style-type: none">• Water & Oil Temperature Control Equipment• Portable Chillers		<ul style="list-style-type: none">• Dehumers• Shredders• Size Reduction
	<ul style="list-style-type: none">• Densephase Pneumatic Conveying		<ul style="list-style-type: none">• Vibratory Feeders• Bin Activators
 www.davidindustrialsales.com Akron: (330) 659-3157 Perrysburg: (419) 874-1359			



You may zoom in

Directions from Reuther Mold, 1225 Munroe Falls Ave., Cuyahoga Falls, Ohio 44221 to Royal Buffet & Grill - 1930 Buchholzer Blvd., Akron, OH 44310

Note: Transportation from tour to dinner location will be by attendees' own means - 2.3 miles.

Start out going west on Munroe Falls Ave toward Clara St. – 0.18 mi

Take the 2nd left onto Bailey Rd. – 1.54 mi

Bailey Rd is just past Suncrest Dr - If you reach Liberty St you've gone a little too far

Turn right onto Howe Ave. – 0.30 mi

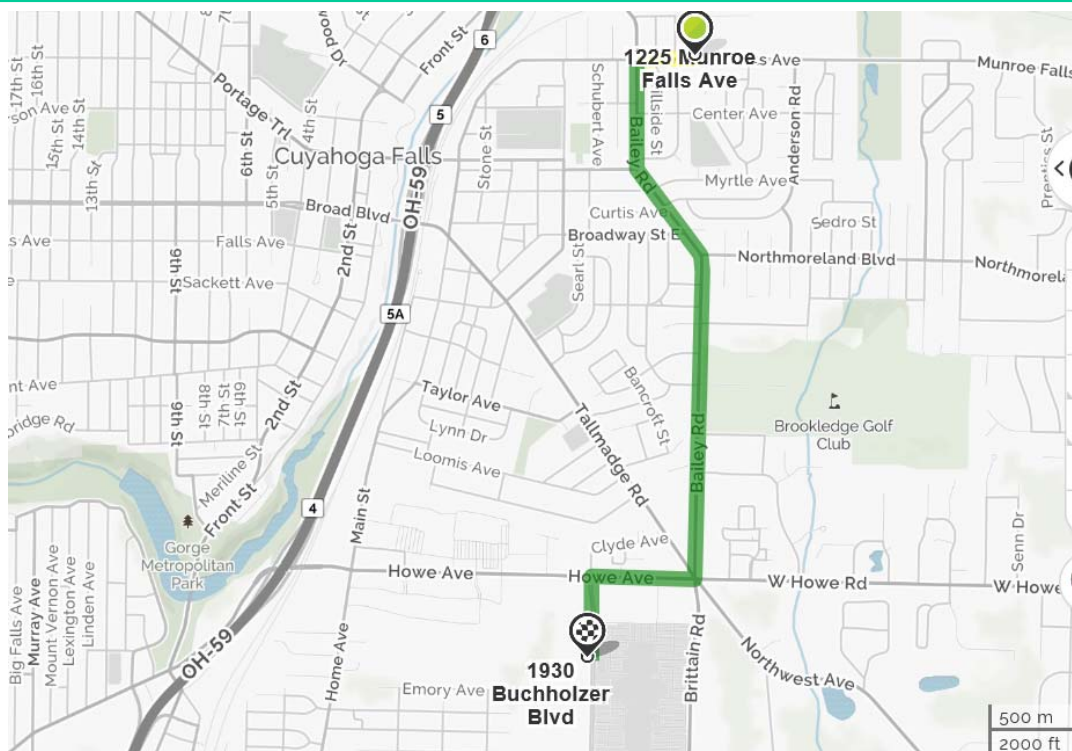
Howe Ave is 0.3 miles past Buckingham Gate Blvd - Rockne's is on the left

If you are on Brittain Rd and reach Independence Ave you've gone about 0.5 miles too far

Take the 2nd left onto Buchholzer Blvd. – 0.24 mi

Buchholzer Blvd is just past Gaylan Dr - If you reach Cliffside St you've gone about 0.1 miles too far

1930 Buchholzer Blvd, Akron, OH 44310-1826 is on the right.



Our Specialties Are Your Solutions!

High Performance Additives for Plastics

Antioxidants:

Doverphos® liquid phosphites
FDA Approved Doverphos® LGP-11
Doverphos® HiPure 4

Doverphos® solid phosphites
Doverphos® S-9228
Dovernox® 10 & 76

Lubricity Additives:

Doverlube® Ca & Zn stearates

Flame Retardants:

Chlorez®, Paroil®, Doverguard®



330-343-7711 • 800-321-8805 • Fax: 330-364-9626 • www.doverchem.com
Customer Service: 800-753-6837 • customerservice@doverchem.com

Heath Colvin, Midwest Regional Sales Manager

Phone: 330-243-6158; Fax 330-365-3929

Email: heath.colvin@doverchem.com

Advertiser Index

David Industrial Sales	2
Dover Chemical Corp.	4
Harwick Standard	14
Jordi Labs	13
Kuraray – TopCon Gold Sponsor	8
Polysort	14
Struktol	6
Struktol – TopCon Premier Sponsor	9

Picture your ad here

And also on www.akronspe.org

Membership report – Aug/Sep 2016

Akron Section has 247 active members. Six new members were added in August and three in September.

Month	Active	Added	Lapsed
Jan	302	1	
Feb	296	2	
Mar	313	22	
Apr	282	1	5
May	276	4	10
Jun	264	4	17
Jul	241	3	26
Aug	244	6	3
Sep	247	3	0

Say “hello” to:

August

Prashant D Chabukswar, Ethicon
Thomas P Kelley, Dover Chemical
Tzu-Yu Lai, University of Akron
Brian Lobner, Baerlocher USA
Kaitlyn Mawhinney, University of Akron
Kevin M. West, Ampacet

September

Jami Blankenship, A.Schulman
John R Fellenstein, Akron Global Polymer Academy
Lukas Steven Gregory Lowry, Purdue University

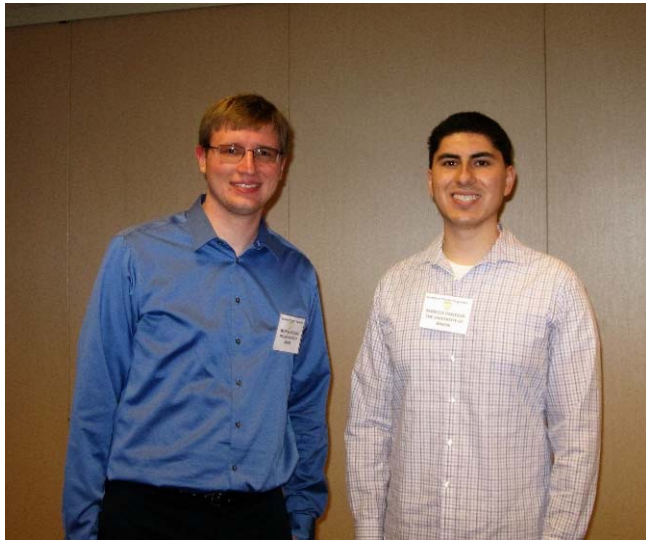
October Meeting Highlights

Akron SPE President Bob Weiler and wife Joanne



See President's message on page 2 for details

Social Hour



Akron SPE Student Chapter Members

Joanne Weiler with her father





Jim Garrett (left) and Stan Prybyla (middle) of Vadxx Energy with Akron SPE President Bob Weiler



Speaker Jim Garrett of Vadxx Energy, LLC

Technical Assistance

For technical polymer questions please use the SPE International forum "The Chain"

For local questions please contact the officers at akronspeweb@gmail.com

ADDitives for

RECYCLING



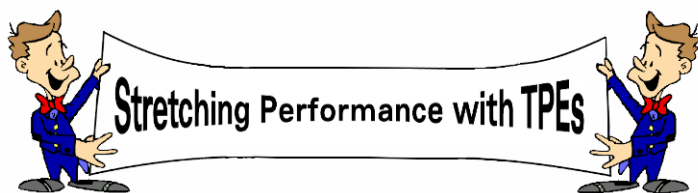



Struktol Intelligent ADDitive Solutions

Useful in a variety of different polymers from polyolefins to engineered plastics to modify viscosity, mask/neutralize odors, compatibilize dissimilar materials & act as lubricants for better processing & mold release in reclaim/ recycled & recycle content plastics.



www.4struktol.com • plastics@struktol.com



**September 21 - 22, 2016
Akron, Ohio**

Thermoplastic Elastomers 12th Topical Conference™

Once again the 12th TPE TOPCON co-sponsored by the SPE Akron Section and TPE SIG, which was held on September 20-22 at the Akron Fairlawn Hilton, was very successful. The TOPCON technical program included 23 technical papers on topics varying from wearables to bio-sourced and 3D molding TPEs, with two excellent luncheon keynote speakers and a student Poster Session presented by students from the U of Akron and Kent State U. A working Gigabot 3D molding machine was also included with the 12 other exhibits.

For the first time a TPE Primer was offered as a prequel to the main TOPCON program. Thirty-nine attended the Primer and 178 attended the TOPCON technical program. Feedback on both the TPE Primer and TOPCON technical conference was very positive which supports continuing to hold the 13th TPE TOPCON in combination with the TPE Primer in Akron in September 2018.

Thanks must be extended to Bill Blasius of the TPE SIG for organizing the TPE Primer and such an interesting and diverse TOPCON Technical Program and to our speakers and moderators. We must also thank and recognize our sponsors and exhibitors for their financial support which was critical to the financial success of the TOPCON. Our sponsors were Kuraray America (Gold), Struktol Company of America (Premier), ExxonMobil Chemical (Welcome Mixer), Kraiburg TPE (Wednesday Lunch), A.Schulman and Chemours (Coffee Breaks).

Finally I would like to express my personal gratitude to all the Akron Section and TPE SIG members of the TOPCON planning committee that did such a great job in organizing and running the TOPCON.

Office	Responsible, Section
General Chair	Viv Malpass, Akron Section <i>Tek-Mark International Inc.</i>
Technical Program Co-Chairs	William Blasius, TPE S.I.G. Foster Corp. Mark Berard, TPE S.I.G. TSRC-Dexco Polymers
Vice-Chair, Secretary, Web Page Manager	Tony Dean, Akron Section <i>Retired</i>
Membership Chair	Joe Mattingly, Akron Section
House Chair	Bob Wegelin, Akron Section, <i>Retired</i>
Treasurer	Gary Taylor, Akron Section, <i>Retired</i>
Registration Chair	John Braver, Akron Section
Publicity Chair	Dave Schultz, Akron Section <i>Harwick Standard Distribution Corp.</i>
Akron University Liaison	Marcos Pantoja, Akron Section
Exhibit and Sponsor Chair	Kevin Malpass, Akron Section <i>Diebold, Inc.</i>
Printing Chair	Jenny Digiantonio, Akron Section, <i>Retired</i>

Viv Malpass,
Akron Section Co-Chair
TPE TOPCON



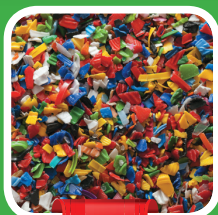
UNIQUE MATERIALS THAT ADD VALUE

Kuraray provides a variety of elastomers. From SEP, SEEPs, SEBS, SEPS and SEEPS-OH, Kuraray SEPTON and HYBRAR are leading the way for HSBCs in the thermoplastic market. Beyond elastomers, Kuraray's KURARAY and LIR are leading the way in acrylic elastomers and liquid rubber additives.



ADDitives for

RECYCLING



Struktol Intelligent ADDitive Solutions



Useful in a variety of different polymers from polyolefins to engineered plastics

STRUKTOL® RP 11 for viscosity reduction in PP

STRUKTOL® RP 17 for masking and neutralizing odors

STRUKTOL® RP 28 for better mixing and homogeneity

STRUKTOL® RP 37 viscosity modifier for PP; especially when PE is present

STRUKTOL® RP 38 viscosity modifier for PP; (especially when PE is present) with an odor neutralizer

STRUKTOL® TR 052 compatibilizer of dissimilar materials; dispersing agent & flow modifier

STRUKTOL® TR 219 compatibilizer/lubricant for recycling polyamides and PET

STRUKTOL® TR 229 compatibilizer/lubricant for recycling polyamides and PC & PC/ABS



struktol®

= INNOVATION + TECHNOLOGY + PERFORMANCE

Engineered ADDitives for Reclaim/Recycled and Recycle Content Plastics

Struktol Company of America | Stow, Ohio | USA
Call us at **330.928.5188** email us at plastics@struktol.com or visit us at www.4struktol.com



Struktol will be at K2016
(co-exhibiting with VELOX GmbH)
Please visit us at Hall 6 / A23

Minutes of Board Meeting – October 3, 2016

Call to Order: 5:30 PM

Present: Tom McQuaide, Viv Malpass, Marcos Pantoja, David Schultz, John Fellenstein, Nicole Brostowitz, including PESO representatives - Tzu Yu Lai and Ashrita Nallapaneni

Absent: Bob Weiler, Kevin Cavicchi, Keith Pelfrey, Gary Taylor, Kevin Malpass, Tony Dean, Joe Mattingly, Bob Wegelin, Sahil Gupta and Anisa Cobaj

Bob Weiler- not present but has included below Agenda and items for review and discussion

Guest at BOD meeting - Dr Missi Zender-Sakach- she will review her past uses and future plans for use of Hands On Plastics Kits

Minutes from August 29, 2016 were reviewed and approved.

President - I have attached a draft of our goals for 2016/2017. Please provide feedback and see if we can add a few more action steps to the goals.

Vinyl Div is looking for a section to host the 2019 Vinyltec. Newark NJ section has decided to give up their standing every 3 year rotation. We are now scheduled for 2021. Because of last year's success we should have a good shot at claiming 2019. Cleveland section is also lobbying to get the 2019 Vinyltec. It is doubtful that Vinyl Section would have Vinyltec in Cleveland in 2019 and Akron in 2021. No decision needed until May, but I would like to start the discussion so I know how to steer the Vinyl Div.

- Do we want to go for the 2019 opening?
- Do we want to offer to partner with Cleveland Section?

We need to add a couple more BOD members. Please be on the lookout for new potential BOD members.

Tom McQuaide started off meeting by welcoming ALL and our Guest plus PESO representatives.

BOD reviewed briefly the Goals that had been updated and provided by Bob Weiler from past year and determined it be best at this point to review in detail and be prepared at Nov BOD Meeting to make suggestions and changes to bring them up-to-date with current programs and projects that we have ongoing.

Guest - Dr. Missi Zender-Sakach - Missi is located in Cuy Falls at ESC- Education Service Center and she is the Science Coordinator for a large district including Summit- Non-Akron, Medina, Portage and Stark counties dealing mainly with K-8 and occasionally HS- as noted key to have science interest by 8th Grade!! She attended this BOD to thank SPE for helping her reach a wide audience of students/teachers in these areas with Teacher Grants – Akron Section has provided in the past 2 years. The money we provided Missi was used to purchase sets of Hands on Plastics kits which Missi has used, developed, modified and extended to teach –hands on and visually for her districts students. She provided a multi media look from pictures- power point, to kits and density bottle- shown tell. In addition Missi excited the BOD with what she does and the fact that we need to capture these types of projects and programs social media, web and with added educational opportunities in STEM areas.

Missi reports she estimates she has reached 6 counties, 21 Schools, 122 teachers and 5000 students over past 2-3 years with activities such as Hands On Plastic Kits.

I feel that in this case the very energetic and vibrant nature of Missi spurred the BOD to think out of the box and besides the fact that Missi left a challenge with us to attend along with her the NSTA Teachers Meeting in Columbus in early Dec and to help her man booth to include our Table top and do hands on STEM experiments!! This-just to name a few.

Thank you Missi for ALL you do!!

Minutes of Board Meeting – October 3 (cont.)

Committee Reports:

Technical Program Review—Bob Weiler

Bob Weiler – Provide below up-date with modification noted for Jan 9th
2016/2017 Technical Program

I have attached the latest status of technical programs. Next week's speaker is Jim Garrett with VADXX. This will be interesting to learn how this startup makes clean diesel oil from waste plastic. And just importantly how they managed to get this venture off the ground. Next month we have a plant tour of Reuther Mold organized by Cleveland Section. Our speaker for February was confirmed, Dr. Elvery from the Cleveland Federal Reserve. Unfortunately, our speaker for the January meeting with ACCESS, A Schulman CEO Joe Gingo has backed out.

We have secured an excellent speaker from the local area Jeff Hoffman of Priceline.com fame, a high energy, very active successful entrepreneur, proven CEO, worldwide motivational speaker and executive producer. Nicole reminded that we need to be sure to provide all details on Program for website to her as well for Jenny for Newsletter.

House—Gary Taylor/Bob Wegelin

No report.

Need to have backup for House moving forward as Bob Wegelin will not be present- Thanks for ALL you have DONE and continue to do- Robert!!

All venues are set for this year- Akron Section developed at Hilton and Tavern of Richfield- Holiday Party plus Firestone for Awards Banquet Note: Cleveland Section meetings set at Tours and one at Hilton.

Program Committee—Tom McQuaide

Tom will begin work along with new extended Committee- in process to develop next year's programs using results from survey from this past year and options noted for this year.

Membership--Sahil Gupta

No report.

Sahil will request Jenny send out Survey for one last time as year begins.

Reminder to forward Welcome Letter to new Members and to check Jenny for potential updated Member list.

Treasurer--Gary Taylor

Gary was not present but he has supplied us with starting information for a new SPE year on monies we have in the Account.

Councilor--Kevin Malpass

No report.

Kevin not present but he did have a Proxy that attended recent Council meeting located in Canada- report to follow in Nov.

Student Chapter—Marcos Pantoja with Tzu Yu Lai and Anisa Cobai

Marcos is mentoring the new PESO representatives and review items that Student Chapter usually does including new ideas and increased involvement, plan to provide Calendar of events in planning stage, have a membership drive- as they did last year, plan to provide list of PESO led seminars Students PESO and SPE Students continue to attend Akron Section meetings and help at TOPCONs- excellent job!!

They also provided posters for recent TPE TOPCON.

Councilor-To confirm SPI still handling student support.

Minutes of Board Meeting – October 3 (cont.)

Public Interest/Website/Advertising—Tony Dean

Tony provided a report covering all up-dates on posting of meetings in local newspapers, along with in PE Magazine, request new advertisers and thanked current four advertisers for 2016-17

BOD Suggested that we determine potential interest of Vinyltec advertisers from past year to continue for upcoming year

Need to review potential Education oriented article.

Website Improvement/utilization—Tony Dean/Nicole Brostowitz

Nicole reports based on website activity and responses that The Chain is starting to develop a real presence with different groups and different subjects- she has encouraged use.

Nicole notes as we move forward need pictures at meeting please send to Nicole and pictures now on Facebook- they feature our members so tag a way!!

DRS has asked Missi for Hands On Plastic kit pictures and descriptions for Facebook and web.

Notes as well changes ongoing re ANTEC format and NPE-SPI plans for future that are being discussed.

BOD suggests we consider placing Student postings for job interest as we most recently last year started posting Industrial positions.

Newsletter—Tony Dean

Awards—Keith Pelfrey

Keith reports that he will handle development for Awards for this year including International recognition , local and Section. We have noted that Section Awards- Pinnacle and Communications may be changing and will need to confirm as year proceeds- will await Councilor update.

Education Committee—John Fellenstein

John reports that all is set as we start new year --Scholarships will be sent sooner to a more diverse group of students with aspirations in the STEM arena as engineers dealing with polymers and various other materials along with physics majors so we can gather more students. Tom McQuaide will continue to help and provide input along with Kevin Cavicchi.

John reports Dori Hess – recent speaker at April Teacher Night potential Polymer Ambassador candidate.

John confirmed that picture frames are no longer in working order- heated up in enclosures. Confirmed added information for meetings for PESO students on major new picture frame- BOD is NOT recommending replacement of picture frames.

John has noted --NSTA- set for Columbus- Missi had mentioned Dec 1-3 he may plan to attend.

Spring 2017 a number of Science Fairs for students including; Science Olympiad- March 11, Science- District 5- March 18 and Akron Public Schools- TBD plus interest potential in Rubber Band Contest- engineering aspects.

Education Foundation—Bob Wegelin

No report.

TPE TOPCON- Viv Malpass

Viv reports that TOPCON went well with close to 180 attendees and 39 present for first time Primer on TPE.

Minutes of Board Meeting – October 3 (cont.)

New Business:

Potential speakers for large events

Thogus President

CEO Baerlocher- Edward Hall

CEO- Newlight Technologies-Robert Heerema- Calif

Teacher Grant –ACCESS: David Schultz- Secretary /SPE and President Elect for ACCESS thanks SPE Akron Section for providing Teacher Grant on plastics recycling Michael York teacher at NIHF STEM High School in Akron and a student or two will attend Vadxx Meeting -Oct 9th at Hilton Hotel as his guest.

Adjournment

Meeting was adjourned. Next BOD Meeting November 7 at U of A Polymer Engineering.

**GIVE
THANKS**
FAMILY • FRIENDS • GRATITUDE



WE'VE GOT YOU COVERED.

Trust Your Plastics Testing To Jordi Labs.

Whether you are concerned about the tensile strength or the chemical composition of your product, Jordi Labs excels at helping companies worldwide comply with regulatory testing to ensure safety, compliance and acceptance.

Whether you require migration testing, identification, deformation, comparison or general product failure assistance, Jordi's PhD analytical chemists can provide a solution using techniques like:

- > Extractables & Leachables
- > Efficacy Studies
- > Cleaning Validation
- > Compendial Testing
- > Residue Analysis (EO, EC, EG)
- > Storage/Stability Testing
- > Accelerated Aging
- > Forced Degradation
- > Photostability
- > Particulate Analysis



Let Jordi help you solve your problems.
Call 508-425-4347 or visit JordiLabs.com today.

Jordi Labs
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.



HARWICK

STANDARD

Serving the rubber, plastic & adhesive markets since 1932

harwick.com
800-899-4412

Member NACD
Registered to ISO 9001

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**

Contact us today for a FREE web site audit.

Tel. 330.665.5918 ext. 2104

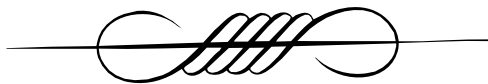
E-mail John Inama at johni@polysort.com




POLYSORT
The power of many.

Akron Section SPE Past Presidents

*57 years of
excellence*



1959-1960	Donald F. Siddall	1988-1989	William E. Tosko
1960-1961	Milan Krajcik	1989-1990	Robert C. Wegelin
1961-1962	Foster J. Young	1990-1991	Geraldine R. Stromquist
1962-1963	Dickson L. Stoker, III	1991-1992	Spencer Kreiser
1963-1964	Edward L. Hillier	1992-1993	Robert C. Wegelin
1964-1965	John R. Russell	1993-1994	Anthony F. Dean, Jr.
1965-1966	John R. Russell	1994-1995	Wayne Decamp
1966-1967	Clyde H. Jones	1995-1996	Melanie Stewart
1967-1968	Alan Corry, Jr.	1996-1997	Kevin Hershfield
1968-1969	Bernard M. Saffian	1997-1998	David Schultz
1969-1970	Harold R. Schick	1998-1999	John Raab
1970-1971	Robert G. Hills	1999-2000	Gary Taylor
1971-1972	John J. Satterfield	2000-2001	Kevin Malpass
1972-1973	Alexis M. Gross	2001-2002	Kenneth L. Sharp
1973-1974	Francis J. Maurer	2002-2003	Joseph E. Pfeiffer
1974-1975	Leverett A. Anderson, Jr.	2003-2004	Robert C. Wegelin
1975-1976	Robert M. Hershey	2004-2005	Joseph Mattingly
1976-1977	Richard L. Fleshman	2005-2006	Lloyd A. Goettler
1977-1978	David Curtis	2006-2007	John Woodside
1978-1979	John A. Zelek, Jr.	2007-2008	Vivian Malpass
1979-1980	Gerald W. Whitnoble	2008-2009	Joseph Mattingly
1980-1981	Kathleen N. Bechter	2009-2010	David A. Katz
1981-1982	Victor E. Giuffrida	2010-2011	Lloyd A. Goettler
1982-1983	James Steiner	2011-2012	David Schultz
1983-1984	Robert G. Hills	2012-2013	Kevin Malpass
1984-1985	Anthony F. Dean, Jr.	2013-2014	Dan Jones
1985-1986	Gene Buser	2014-2015	Vivian Malpass
1986-1987	Harry J. Barth	2015-2016	Keith Pelfrey
1987-1988	Judith A. Fallon	2016-2017	Robert Weiler

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

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

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

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

**The Akron SPE Section
is happy to post local
job openings in the
plastics industry for 90
days for any member.
Please contact a board
member if you are
interesting in posting.**

Programs for 2016 / 2017

Sept. 12 **The Technology House**
Carbon CLIP Process Demo and Tour
-- Streetsboro – Cleveland*

Sept. 20-22 **12th TPE TopCon**
Stretching Performance with TPEs
-- Hilton Fairlawn – Akron*

Oct. 10 **Vadxx**
Scrap Plastic to Oil
-- Hilton Fairlawn – Akron*

Nov. 14 **Reuther Mold**
Mold Design and Manufacture –
Plant Tour
-- Cuyahoga Falls – Cleveland *

Dec. 5 **Holiday Celebration**
Madrigal Singers and Speaker
-- Taverne of Richfield – Akron*

Jan. 9 **A. Schulman, Inc.**
-- Hilton Fairlawn – Joint ACCESS*

Feb. 13 **Cleveland Federal Reserve Bank**
NE Ohio Economy
-- Hilton Fairlawn – Akron/Cle*

Mar. 13 **Valtris:** Additives Development and
Mfg, Plant Tour
-- Independence – Cleveland *

Apr. 10 **Industry / Teacher Collaboration**
Plastics in Education
-- Hilton Fairlawn – Akron*

May 15 **Akron Section Awards Night**
-- Firestone Country Club – Akron

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

Akron Section Board of Directors

Robert Weiler 330-283-9024 T
Amfine Chemical Corp. rweiler@amfine.com
President/Chair, Technical Program

Tom McQuaide 330-630-7113 T
A. Schulman 330-630-3349 F
President/Chair-elect, Tom.McQuaide@aschulman.com
Technical Program, Awards,
Education

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 kevin.malpass@diebold.com

Keith Pelfrey 330-212-9174 T
Retired kpelfrey@neo.rr.com
Past-President

Vivian Malpass 330-342-1120 T
Tek-Mark International 330-342-1134 F
Prior Past President, vivian.malpass@tek-mark.com
TOPCON 2016

Tzu-Yu Lai 626-693-0532 T
Student - U Akron Polymer Eng. tl70@zips.uakron.edu
Director, Student Chapter SPE Liaison

Anisa Cobaj 216-672-8392 T
Student - U Akron Polymer Eng. ac197@zips.uakron.edu
Director, Student Chapter SPE Liaison

John Fellenstein 330-972-6334 T
U Akron Polymer Engineering 330-972-2624 F
Director, Student Chapter Advisor jfellenstein@uakron.edu

Bob Wegelin 330-414-1498 T
Retired robert.wegelin@att.net
Director, Education Foundation

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

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

Sahil Gupta 330-296-1421 T
Parker Hannifin Corp. 330-296-8433 F
Director, Membership sahil.gupta@parker.com

Nicole Brostowitz 330-202-4466 T
Seaman Corp. nbrostowitz@seamancorp.com
Director, Internet Communications

Kevin Cavicchi 330-972-8368 T
U Akron Polymer Engineering 330-258-2339 F
Director kac58@uakron.edu



Akron Section Society of Plastics Engineers Educational Foundation



1-16

The Akron Society of Plastics Engineers Educational Foundation operates exclusively for the benefit of and to carry out the purposes of the Akron Section of the Society of Plastics Engineers, which is to promote scientific and engineering knowledge relating to plastics by making educational scholarship grants to deserving students in the field of plastics engineering and related subjects. The Organization is supported primarily by contributions from the Akron Society of Plastics Engineers, the Society's individual members and corporations like yours affiliated with the polymer industry.

Since the inception in 1988, the Akron Society of Plastics Engineers Educational Foundation has grown to its current position through the hard work of many volunteers and the generosity of the local business community. Over the twenty-seven years that the foundation has been in existence, it has provided scholarships to over 250 young men and women totaling in excess of \$320,000 to assist them in furthering their careers in the polymer industry.

Our goal is to continue to grow the assets of the Foundation in order to increase the number of scholarships awarded, as well as the size of the awards, and to do so in perpetuity. In doing this, we hope to be able to contribute to the supply of well-trained individuals to support the growth of the polymer industry in the Northeast Ohio area today and well into the future.

When the Foundation began its fund raising activities in 1988, we offered those companies who contributed \$30,000 a scholarship in their name. To date we have five named scholarships, Newell/Rubbermaid, Goodyear, Ken Sharp Memorial and Jim Steiner Memorial scholarships. We are asking your company to help with the growth of well-trained individuals in the local polymer industry. Please print this page, fill out the information and mail it to Bob Wegelin, 13206 Kaufman Ave. NW Hartville, OH 44632.

Akron SPE Scholarship Donation Commitment

- ☐ \$30,000 lump sum. _____
- ☐ \$10,000/yr. next 3yrs. _____
- ☐ \$5,000/yr. next 6 yrs. _____
- ☐ Other: _____

Company name: _____
Contact person: _____
Ph. # or email: _____

Our named scholarship donors are recognized at the annual Awards Night of the Akron Society of Plastics Engineers. We invite you to present your tax deductible donation at our Awards Night, which is scheduled on May 9, 2016.

We are looking forward to your support of this very worthwhile cause by your fine company. Please contact me at (330) 414-1498 with any questions. Thank you for your consideration.

Sincerely,
Bob Wegelin, Foundation Chair
Akron Section Society of Plastics Engineers, Educational Foundation





Who Can Help You Society of Plastics Engineers

6 Berkshire Blvd., Ste 306, Bethel, CT 06801

Phone: +1 203.775.0471

www.4spe.org

Academic Outreach	Marjorie Weiner	+1 978.618.5496	mweiner@4spe.org
Annual Awards	Kathy Schacht	+1 203.740.5430	kschacht@4spe.org
ANTEC Booth Sales	Chuck Herrholtz	+1 770.576.4974	cherrholtz@naylor.com
ANTEC Conference Management	Barbara Spain	+1 203.740.5418	bspain@4spe.org
ANTEC Paper Submission	Barbara Spain	+1 203.740.5418	bspain@4spe.org
ANTEC Conference Sponsorship	Barbara Spain	+1 203.740.5418	bspain@4spe.org
The Chain	Liz Martland	+1 203.740.5425	lmartland@4spe.org
Change of address	Customer Relations	+1 203.740.5403	customerrelations@4spe.org
Communications	Sarah Sullinger	+1 203.740.5425	ssullinger@4spe.org
Communications Excellence Award	Kathy Schacht	+1 203.740.5430	kschacht@4spe.org
Conference Sponsorship (TopCons)	Sue Wojnicki	+1 203.740.5420	swojnicki@4spe.org
Dues Renewals and New Members	Customer Relations	+1 203.740.5403	membership@4spe.org
Employment Advertising	+1 888.491.8833 At prompt please press 4. The extension is 1063		customerservice+64639@support.boxwoodtech.com
Fellow & Honored Service Nominations	Kathy Schacht	+1 203.740.5430	kschacht@4spe.org
Governance Liaison	Kathy Schacht	+1 203.740.5430	kschacht@4spe.org
Managing Director	Russell Broome	+1 203.740.5471	rbroome@4spe.org
Membership Processing/Questions	Customer Relations	+1 203.740.5403	membership@4spe.org
Membership Programs/Retention	Bonnie Kaczowski	+1 203.740.5428	bakaczowski@4spe.org
Mobile App – SPE Events	Scott Marko	+1 203.740.5442	smarko@4spe.org
Pinnacle Award	Kathy Schacht	+1 203.740.5430	kschacht@4spe.org
<i>Plastics Engineering</i> magazine advertising	Roland Espinosa	+1 201.748.6819	respinosa@wiley.com

Sections, Divisions & Special Interest Group Administration	Kathy Schacht	+1 203.740.5430	kschacht@4spe.org
SPE Foundation / Scholarships & Grants	Gene Havel	+1 203.740.5457	ghavel@4spe.org
SPE Industry Resource Guide		+1 800.816.6710	spe@multiview.com
Student Chapters	Scott Marko	+1 203.740.5442	smarko@4spe.org
Topical Conference Planning	Sue Wojnicki	+1 203.740.5420	swojnicki@4spe.org
Topical Conference Registration	Sue Wojnicki	+1 203.740.5420	swojnicki@4spe.org
Webinars (non.registration)	Barbara Spain	+1 203.740.5418	bspain@4spe.org
Event Registrations	Customer Relations	+1 203.740.5403	customerrelations@4spe.org
Website Administration	Pedro Matos	+1 203.740.5438	pmat@4spe.org

SPE MEMBER BENEFITS GUIDE



FREE TO MEMBERS

SAVINGS TO MEMBERS

BENEFIT		DESCRIPTION	WEBSITE LINK
NETWORKING	Business Networking Resources	Connect to industry experts	www.4spe.org/cc
	Local Section Affiliation	Network with members locally in over 75 countries	www.4spe.org/communities/sections
	Online Membership Directory	Unlimited access provides the link to fellow members	www.4spe.org/membercenter
	Technical Affiliation	24 Divisions represent major industry specialties	www.4spe.org/communities/divisions
MEDIA	Newsletters	News & events about specific local & technical affiliations	www.4spe.org/communities/newsletters
	<i>Plastics Engineering (PE)</i>	The official monthly publication of SPE	www.4spe.org/pub
	SPE Online	Your 24/7 source for Society information	www.4spe.org
	Tech Focus	Monthly electronic newsletter offering society & industry news	www.4spe.org/membercenter
TECHNICAL	Online Technical Library	Searchable database of technical articles & conference papers	www.4spe.org/membercenter
	Message Forums	Online question & answer forum	www.askpip.com
	Special Interest Groups	Emerging areas not currently covered by technical Divisions	www.4spe.org/communities/divisions/#sig
	SPE Journals	Read abstracts from our three technical journals	www.4spe.org/pub/journal
CAREER	American Management Association	Through a partner alliance, access AMA's educational resources	www.4spe.org/membercenter
	Awards	Outstanding contributions recognized	www.4spe.org/awards
	Leadership Development	The opportunity to improve professionally & personally	www.4spe.org/communities/leadership
	Online Career Development	Career enrichment, job openings & resume database	www.4spe.org/membercenter
	Professional Recognition	Distinguished grades of membership recognize accomplishments	www.4spe.org/membercenter
	Scholarships & Grants	Awarded by The SPE Foundation	www.4spe.org/foundation
	Student Benefits	Over 100 Student Chapters in nine countries	www.4spe.org/membercenter
	Unemployment Services	Benefits for the unemployed member	www.4spe.org/membercenter
BENEFIT		DESCRIPTION	WEBSITE LINK
TRAINING	ANTEC	Largest annual technical conference in the industry	www.antec.ws
	Career Coaching	For-a-fee services for career enhancement	www.4careersolutions.org
	e-Learning Center	Online self-paced courses, live & archived presentations	www.4spe.org/elearning
	In-plant Training	Seminar instruction at member's company	www.4spe.org/training/seminars
	Seminars	Expert instruction on current plastics topics	www.4spe.org/training/seminars
	Technical Journals	Subscribe to peer-reviewed articles. Available online and in print	www.4spe.org/pub
	Topical Conferences	Targeted at specific technical & management disciplines	www.4spe.org/conf
	Training Products	Developed by SPE & other leading providers. Some Spanish titles	www.4spe.org/training/products
OTHER	Career Transition Services	Outplacement program offered to member's company	www.4careersolutions.org
	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 2016-17

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 58th year of the Akron SPE Section and rates are for entire season, September 2016 – Summer 2017. **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 Gary Taylor
Akron SPE
715 Thelma Drive
Wadsworth, OH 44281



Society of Plastics Engineers

6 Berkshire Blvd., Suite 306
Bethel, CT 06801-1065 USA

Membership Application

PH: 203-775-0471 • Fax: 203-775-8490
www.4spe.org • membership@4spe.org

Contact Information *Please print clearly*

First Name (Given Name) _____		Middle Name _____
Last Name (Family Name) _____		
Company Name/University Name (if applicable) _____		
Mailing Address is: <input type="checkbox"/> Home <input type="checkbox"/> Business Gender: <input type="checkbox"/> Male <input type="checkbox"/> Female (for demographic use only)		
Address Line 1 _____		
Address Line 2 _____		
Address Line 3 _____		
City _____		State/Province _____
Country _____	Zip/Postal Code _____	Phone _____
Preferred Email (This will be your member login and is required for usage of online member services) _____		
Alternate Email _____		
Date of Birth (Required for Young Professional membership) _____		
Graduation Date (Required for Student membership) _____		Job Title _____

Membership Types *Check one*

- ☐ **Student: \$31** (Graduation date is required above)
☐ **Young Professional: \$99** (Professionals under the age of 35. Date of birth is required above)
☐ **Professional: ~~\$144.00~~ \$129** (Includes \$15 new member initiation fee)

Choose 2 *free* Technical Division and/or Geographic Section Member Groups. →

1. _____ 2. _____

Additional groups may be added for \$10 each. Add Special Interest Groups at no charge.

1. _____ 2. _____

3. _____ 4. _____

Dues include a 1-year subscription to *Plastics Engineering* magazine-\$38 value (non-deductible).
SPE membership is valid for 12 months from the date your membership is processed.

Payment Information *Payment must accompany application. No purchase orders accepted.*

☐ Check Enclosed Amount _____

Charge: ☐ Visa ☐ Mastercard ☐ American Express Expiration Date: _____

Account Number: _____

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

Cardholder's Name (as it appears on card): _____

Signature of Cardholder: _____

Payment by Wire Transfer Instructions

You **must** include account number +ABA number + bank fees.
Please include the Member ID# and Name so we may apply payment to the correct person.

USD: WELLS FARGO: 108 Federal Road, Danbury, CT 06811 USA
ACCT #2681786097 ABA #121000248 SWIFT CODE #WFBUS6S

The SPE Online Member Directory is included with membership. Your information is automatically included unless you indicate otherwise.

- ☐ Exclude my email address from the Online Membership Directory
☐ Exclude all my information from the Online Membership Directory
☐ Exclude my address from 3rd party mailings

By signing below, I agree to be governed by the Bylaws of the Society and to promote the objectives of the Society. I certify that statements made in the application are correct and I authorize SPE and its affiliates to use my phone, fax, address and email to contact me.

Signature _____ Date _____

Technical Division Member Groups - Connect with a global community of professionals in your area of technical interest.

- | | |
|---|--|
| <input type="checkbox"/> Additives & Color Europe - D45 | <input type="checkbox"/> Injection Molding - D23 |
| <input type="checkbox"/> Applied Rheology - D47 | <input type="checkbox"/> Medical Plastics - D36 |
| <input type="checkbox"/> Automotive - D31 | <input type="checkbox"/> Mold Making & Mold Design - D35 |
| <input type="checkbox"/> Blow Molding - D30 | <input type="checkbox"/> Plastics Environmental - D40 |
| <input type="checkbox"/> Color & Appearance - D21 | <input type="checkbox"/> Polymer Analysis - D33 |
| <input type="checkbox"/> Composites - D39 | <input type="checkbox"/> Polymer Modifiers & Additives - D38 |
| <input type="checkbox"/> Decorating & Assembly - D34 | <input type="checkbox"/> Product Design & Development - D41 |
| <input type="checkbox"/> Electrical & Electronic - D24 | <input type="checkbox"/> Rotational Molding - D42 |
| <input type="checkbox"/> Engineering Properties Structure - D26 | <input type="checkbox"/> Thermoforming - D25 |
| <input type="checkbox"/> European Medical Polymers - D46 | <input type="checkbox"/> Thermoplastic Materials & Foams - D29 |
| <input type="checkbox"/> European Thermoforming - D43 | <input type="checkbox"/> Thermoset - D28 |
| <input type="checkbox"/> Extrusion - D22 | <input type="checkbox"/> Vinyl Plastics - D27 |
| <input type="checkbox"/> Flexible Packaging - D44 | |

Geographic Section Member Groups - Network with local industry colleagues.

- | | |
|--|---|
| <input type="checkbox"/> Alabama/Georgia-Southern | <input type="checkbox"/> Ohio-Akron |
| <input type="checkbox"/> Asean* | <input type="checkbox"/> Ohio-Cleveland |
| <input type="checkbox"/> Australia-New Zealand | <input type="checkbox"/> Ohio-Miami Valley |
| <input type="checkbox"/> Benelux | <input type="checkbox"/> Ohio-Toledo |
| <input type="checkbox"/> Brazil | <input type="checkbox"/> Oklahoma |
| <input type="checkbox"/> California-Golden Gate | <input type="checkbox"/> Ontario |
| <input type="checkbox"/> California-Southern California | <input type="checkbox"/> Oregon-Columbia River |
| <input type="checkbox"/> Caribbean | <input type="checkbox"/> Pennsylvania-Lehigh Valley |
| <input type="checkbox"/> Carolinas | <input type="checkbox"/> Pennsylvania-Northwestern Pennsylvania |
| <input type="checkbox"/> Central Europe | <input type="checkbox"/> Pennsylvania-Philadelphia |
| <input type="checkbox"/> China | <input type="checkbox"/> Pennsylvania-Pittsburgh |
| <input type="checkbox"/> Colorado-Rocky Mountain | <input type="checkbox"/> Pennsylvania-Susquehanna |
| <input type="checkbox"/> Connecticut | <input type="checkbox"/> Portugal |
| <input type="checkbox"/> Eastern New England | <input type="checkbox"/> Quebec |
| <input type="checkbox"/> France | <input type="checkbox"/> Spain |
| <input type="checkbox"/> Hong Kong | <input type="checkbox"/> Taiwan |
| <input type="checkbox"/> Illinois-Chicago | <input type="checkbox"/> Tennessee-Smoky Mountain |
| <input type="checkbox"/> India | <input type="checkbox"/> Tennessee Valley |
| <input type="checkbox"/> Indiana-Central Indiana | <input type="checkbox"/> Texas-Central Texas |
| <input type="checkbox"/> Israel | <input type="checkbox"/> Texas-Lower Rio Grande Valley |
| <input type="checkbox"/> Italy | <input type="checkbox"/> Texas-North Texas |
| <input type="checkbox"/> Japan | <input type="checkbox"/> Texas-South Texas |
| <input type="checkbox"/> Kansas City | <input type="checkbox"/> Tri-State |
| <input type="checkbox"/> Korea | <input type="checkbox"/> Turkey |
| <input type="checkbox"/> Louisiana-Gulf South Central | <input type="checkbox"/> United Kingdom & Ireland |
| <input type="checkbox"/> Mexico-Centro | <input type="checkbox"/> Upper Midwest |
| <input type="checkbox"/> Michigan-Detroit | <input type="checkbox"/> Utah-Great Salt Lake |
| <input type="checkbox"/> Michigan-Western Michigan | <input type="checkbox"/> Virginia |
| <input type="checkbox"/> Middle East | <input type="checkbox"/> Washington-Pacific Northwest |
| <input type="checkbox"/> Nebraska | <input type="checkbox"/> West Virginia-Southeastern Ohio |
| <input type="checkbox"/> New Jersey-Palisades | <input type="checkbox"/> Western New England |
| <input type="checkbox"/> New York | <input type="checkbox"/> Wisconsin-Milwaukee |
| <input type="checkbox"/> North Carolina-Piedmont Coastal | |

*Asean: Indonesia, Malaysia, Phillipines, Singapore, Thailand, Cambodia, Laos & Vietnam

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

- | | |
|--|---|
| <input type="checkbox"/> Advanced Manufacturing / 3D - 033 | <input type="checkbox"/> Plastics Educators - 018 |
| <input type="checkbox"/> Bioplastics - 028 | <input type="checkbox"/> Plastic in Building and Construction - 027 |
| <input type="checkbox"/> Failure Analysis & Prevention - 002 | <input type="checkbox"/> Quality/Continuous Improvement - 005 |
| <input type="checkbox"/> Joining of Plastics & Composites - 012 | <input type="checkbox"/> Radiation Processing of Polymers - 019 |
| <input type="checkbox"/> Marketing & Management - 029 | <input type="checkbox"/> Reaction Injection Molding - 032 |
| <input type="checkbox"/> Non-Halogen Flame Retardant Tech. - 030 | <input type="checkbox"/> Thermoplastic Elastomers - 006 |
| <input type="checkbox"/> Plastic Pipe & Fittings - 021 | |

Recommended by (optional) _____ ID# _____