

# Polymer Valley News



The Newsletter of the Akron Section of the Society of Plastics Engineers  
*Our 60<sup>th</sup> Year of Education and Service to the Plastics Industry*

~ Next Session ~

**Monday, November 12, 2018**  
**5:00 p.m.**

**Quality Synthetic Rubber**  
**1700 Highland Road**  
**Twinsburg, Ohio**



**Program Host:**  
**Jim Maderitz,**  
**Plant Manager**  
**Twinsburg Facility**

See page 2 for  
 information

### Meeting Information

|            |      |
|------------|------|
| Member     | \$30 |
| Non-member | \$35 |
| Retired    | \$25 |
| Student    | \$10 |

|                         |           |
|-------------------------|-----------|
| Arrive, registration    | 5:00 p.m. |
| Tour begins             | 5:10 p.m. |
| End tour, depart dinner | 6:00 p.m. |
| Dinner and Q&A          | 7:00 p.m. |

Reservations must be in by noon on  
 Wed, Nov. 7 to Dan Crist at mail@cmd-  
 tip.com or 440-227-5424  
 Please be sure to include the  
 company affiliation of each attendee  
 including dietary restrictions. QSR  
 reserves right to approve participants.

### Newsletter Contents

|                                    |    |
|------------------------------------|----|
| Meeting announcement               | 1  |
| Program information                | 2  |
| Meeting map                        | 2  |
| SAVE THE DATE                      | 3  |
| Advertiser index                   | 4  |
| The Chain                          | 4  |
| Job openings posted                | 5  |
| SPE National links of interest     | 6  |
| TOPCON 2018 highlights             | 7  |
| Councilor's Corner                 | 10 |
| TOPCON sponsors                    |    |
| Gold – Elastron                    | 12 |
| Gold – Kuraray America             | 13 |
| Premier – BASF                     | 14 |
| Premier – Struktol                 | 15 |
| September meeting highlights       | 16 |
| October meeting highlights         | 17 |
| Plastics News articles             | 19 |
| Board meeting minutes              | 20 |
| Scholarship winner article         | 22 |
| PlastiVan                          | 23 |
| Essay contest info and application | 24 |
| Scholarship info and application   | 27 |
| Hall of Honor form                 | 29 |
| 2018-2019 Program                  | 30 |
| Board meeting dates                | 30 |
| Membership report                  | 30 |
| Akron SPE Past Presidents          | 31 |
| Join the Board                     | 31 |
| Akron Section Board Members        | 32 |
| SPE Education Foundation           | 33 |
| Insertion order form – 2018-19     | 34 |



# Program

Strengthened by a merger with Lexington Rubber in 2012, QSR's skilled workforce offers customers a unique combination of technical expertise, advanced manufacturing practices and something seldom available from rubber companies—product development.

Engineers know they can rely on QSR's engineering, research, development and technical expertise to meet all their needs for products requiring a high level of engineering due to material properties, temperature requirements and tight tolerances. In fact, the majority of insulator and connector seal material for products QSR manufactures is internally compounded from proprietary formulations.

QSR principal product lines include:

- Connector seals used in electrical connectors and wire harnesses to protect connections from harmful elements like oil, water, salt and dust
- Insulators for automotive ignition systems to seal and insulate terminals on the spark plug and distributor

QSR is a division of [Q Holding Company](#), which is owned by 3i, a leading international investment manager focused on mid-market private equity, infrastructure and debt management across Europe, Asia and North America. For further information about 3i, please visit: [www.3i.com](http://www.3i.com).

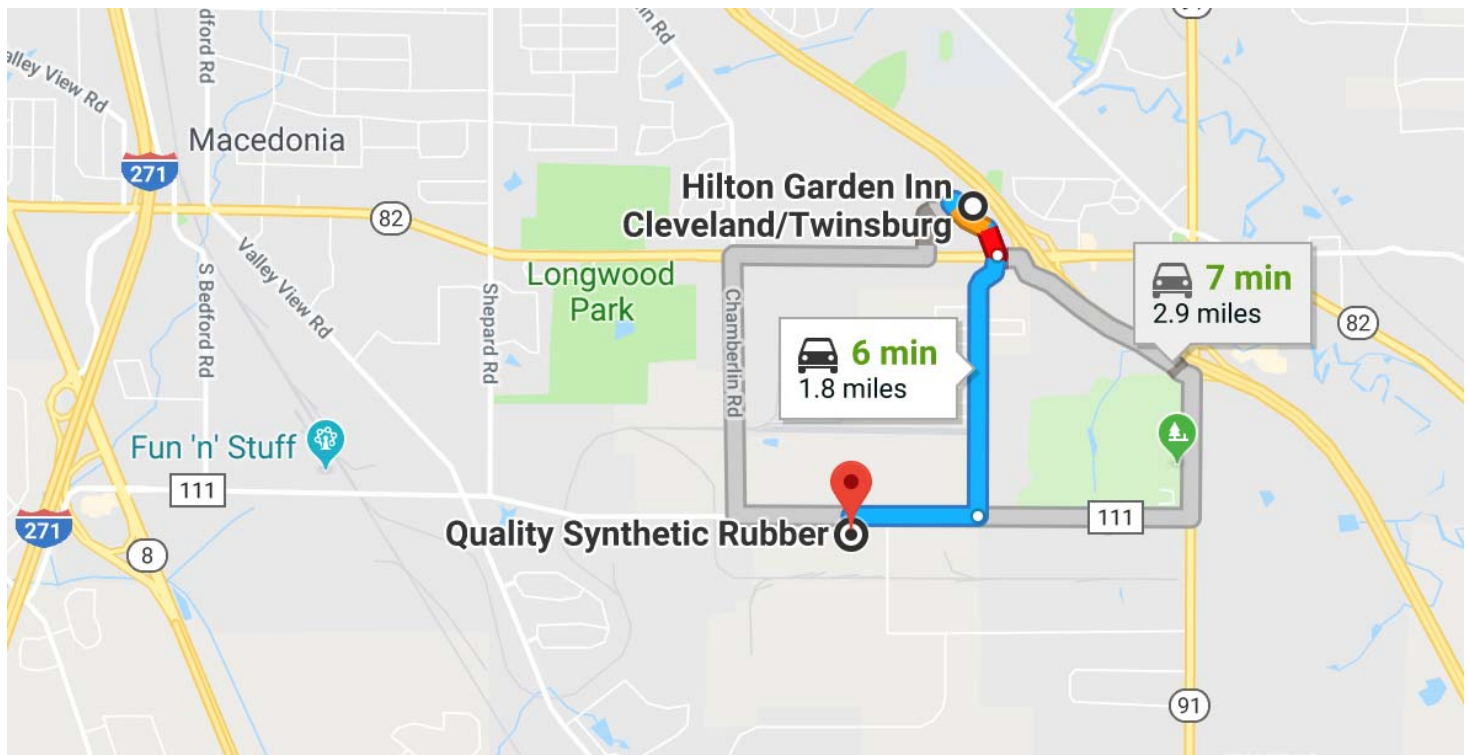
## Directions to Meeting

### Tour Location:

Quality Synthetic Rubber (QSR)  
1700 Highland Road  
Twinsburg, OH

### Dinner Location:

Hilton Garden Inn Twinsburg  
8971 Wilcox Drive  
Twinsburg, OH



~~~~~ Save The Date ~~~~~

# Akron SPE Holiday and 60<sup>th</sup> Anniversary Celebration



**SPE: The Past, The Present and The Future**

**Monday, December 10**  
**The Galaxy Restaurant**  
**in Wadsworth**

**Dr. Brian P. Grady**

President, SPE-Inspiring Plastics Professionals  
Douglas and Hilda Bourne Chair in Chemical Engineering  
Director, School of Chemical, Biological and Materials Eng.  
Director, Institute for Applied Surfactant Research  
University of Oklahoma

*Dave Schultz will be there!*



**We will honor  
and recognize  
past Presidents  
of our Section**



Featuring the Firestone  
Madrigal Singers



## Advertiser Index

|                                   |    |
|-----------------------------------|----|
| BASF – TopCon Premier Sponsor     | 14 |
| David Industrial Sales            | 4  |
| Dover Chemical                    | 6  |
| Elastron – TopCon Gold Sponsor    | 12 |
| Harwick Standard                  | 6  |
| Kuraray – TopCon Gold Sponsor     | 13 |
| Polysort                          | 19 |
| Struktol                          | 4  |
| Struktol – TopCon Premier Sponsor | 15 |

Picture your ad here .....  
And also on [www.akronspe.org](http://www.akronspe.org)

|                                                                                                                                                                                                                                                                                             |                                                                    |                                                                                     |                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|
|                                                                                                                                                                                                            | • Volumetric, Gravimetric, Belt & Screw Feeders                    |  | • Explosion Mitigation & Prevention Equipment for Combustible Dust |
|                                                                                                                                                                                                            | • Bulk Bag Systems<br>• Mechanical Conveyors<br>• Scale Systems    |  | • Paddle Mixers<br>• Vacuum Dryers                                 |
|                                                                                                                                                                                                            | • Water & Oil Temperature Control Equipment<br>• Portable Chillers |  | • Delumpers<br>• Shredders<br>• Size Reduction                     |
|                                                                                                                                                                                                            | • Densephase Pneumatic Conveying                                   |  | • Vibratory Feeders<br>• Bin Activators                            |
| <br>DAVID INDUSTRIAL SALES LLC<br>P.O. Box 4125 - Akron, Ohio 44331<br><a href="http://www.davidindustrialsales.com">www.davidindustrialsales.com</a><br>Akron: (330) 659-3157 Perryburg: (419) 874-1359 |                                                                    |                                                                                     |                                                                    |

There is still time to join us for this season's advertising – see page 34 for the order form

## 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](mailto:akronspeweb@gmail.com)




# EVOLVED

WPC TECHNOLOGY

Start Ahead.  
Stay Ahead.





[wpc.struktol.com](http://wpc.struktol.com)



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 interested in posting.



*Thank you to these  
TPE TOPCON  
Sponsors*



PERFORMANCE PLASTICS

## 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

#### Flame Retardants

Chlorez®, Paroil®, Doverguard

#### Secondary Plasticizers

Doverguard E-35  
Doverguard E-40

**DOVER** Chemical  
Corporation  
A Subsidiary of ICC Industries Inc.

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

## SPE National

Please click the following areas of interest:

[Contacts at National](#)

[Member Benefits](#)

[Join SPE](#)

[Akron Section](#)



# HARWICK

## S T A N D A R D

*Serving the rubber, plastic & adhesive markets since 1932*

[harwick.com](http://harwick.com)  
**800-899-4412**

Member NACD  
Registered to ISO 9001

# TOPCON Highlights

TPE Primer



Conference Co-Chairs:  
Bill Blasius (left) and  
Vivian Malpass



Speaker Robert Eller



Exhibits



# TOPCON Highlights



Exhibits



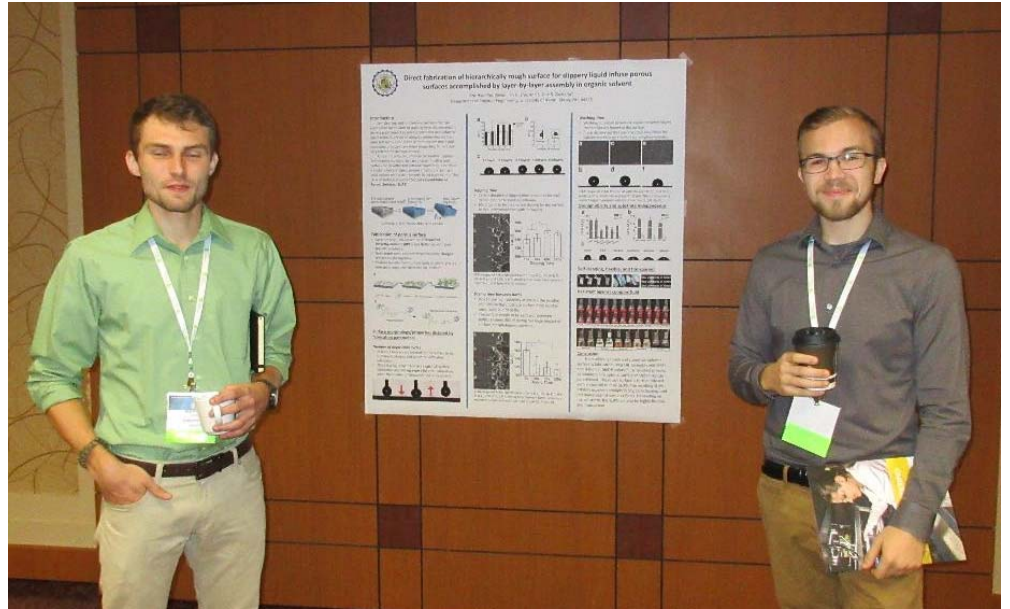
Keynote Speakers Abraham Joy (left) and Christine Hockman. Topic was Innovation Inspired by Nature





# TOPCON Highlights

Poster Session



Coffee Break



Wine and Cheese Reception



# Councilor's Corner

Sep 21 and 22, 2018 - Charleston, SC

## Financial update

- YTD June actual \$5,142 vs budget (\$16,869)
- Dues up 17%
- New Member dues up 27%
- ANTEC 2018 – Rev \$200,000+

## Marketing

- On Line Technical Library (OLT) Contains 14,000 technical items. Can include ANTEC Papers, Conference proceedings, Webinars, etc.
- Each section or division is responsible to upload their own items.
- Up-load forms are available from SPE website

## Divisions

Working to enhance membership value. Creating a SPE value proposition that can be used to recruit new members or encourage corporate sponsorship. Network development is first focus.

## Sections

Toledo Section has not filed a leadership roster for 2 years. They are being moved to provisional status.

## Young Professionals

- There are now over 400 Young Professionals registered.
- Any student member transitioning to Young Professional Member or any new YP Members will receive 2 years dues paid.
- YP will get a dedicated newsletter.
- They are developing a welcome packet with information to be mailed to all new YP members.
- A new committee has been formed for YPs (NGAB) that is developing a mentoring program.

## CEO report

- The newly installed Information system is saving the SPE over \$200,000 /yr.
- ANTEC 2018 is the best attended in 10 years. Sponsorship doubled to >\$300,000 and expenses were down 3%
- All student Memberships are now free including international Students. This is due to sponsorship by PI(SPI)

## Chapter and Division Insurance

- It has been determined that SPE organization insurance does not cover individually incorporated sections and divisions. SPE has arranged for insurance for sections and Divisions from the current SPE insurance carrier. Cost will be \$450 per organization.

# Councilor's Corner - continued

- Sections and Divisions must meet the following criteria to be eligible for insurance
  - Must have current articles of incorporation and by laws.
  - Must have a current leadership roster and all leaders must be current SPE members.
  - Must have filed current financial reports and tax filings.
  - Must have a warranty statement.
- Information available at [www.4SPE.org/chapretinsurance](http://www.4SPE.org/chapretinsurance)

## ANTEC

- 2018 at Detroit. Only 14 meeting rooms are available. Space will be tight.
- 2019 at San Antonio
- 2020 concurrent with NPE (This is still being studied.)

## By-Laws

- Bylaws were updated to reflect the difference between “Members”, “volunteers” and “Staff”.
- By laws were updated to clearly reflect that Division and Section volunteers are not covered by SPE insurance.

## Pinnacle Award

Pinnacle Award is now divided into 5 individual awards. These can be applied for at any time during the year and only once per year.

- Outreach
- Education
- Technical Programing
- Communication
- Students and Young Professionals

## New Business

SPE has proposed changing the way new members are registered. Currently registration is \$155 and includes registration in 2 sections. SPE then rebates \$10 from each registration to the section and/or division that is indicated. SPE says this is systematically difficult and does not allow automatic renewal and costs about \$60,000 per year to administer. They are proposing to change registration to \$135 and “encourage new registrants to add a section and/or division at \$10 each. They can add automatic renewal with this new system.

Much heated debate about this topic. Many sections were concerned that they would lose revenue. Also concern that new members would be registered without a section or division affiliation. It was suggested that sections could use area code search to identify members in their locale who are not registered in the section and market directly to them. It was agreed to proceed with the revision with the stipulation that sections would be guaranteed to receive at least as much rebate as they received in June, 2018, for a 2 year period.



THE TPE SPECIALIST

**ELASTRON IS NOW A US PRODUCER.**  
**CONTACT US AND SEE HOW WE CAN HELP YOU**  
**WITH YOUR TPE NEEDS.**



Elastron USA Inc.  
elastron@elastronusa.com  
elastronusa.com

975 Chestnut Street,  
Gainesville, Hall County,  
Georgia 30501

T (833) 352-7876  
(833) ELASTRN  
F (833) 566-6223

# WE ARE KNOWN FOR ELASTOMERS



**SEPTON™**

- Bio-based Grades
- Soft Touch Rubber
- Recyclable
- High Heat Resistance
- Non-toxic

**KURARITY™**

- All Acrylic TPE
- High-Performance Acrylic Modifier
- Plastics & TPE Modification
- Inks, Paints, & Adhesives



**HYBRAR™**

- Excellent Vibration Damping
- Good Moldability
- Heat & Weather Resistant
- No Plasticizer Needed
- Miscible with Polypropylene



A basketball player in a red jersey is captured mid-air, jumping to shoot a basketball into a hoop. The hoop is mounted on a curved, light-colored concrete structure. The background shows a clear blue sky and a body of water, suggesting an outdoor beach court setting.

# Elevate Your Performance

**BASF Performance Materials** has the solutions to help improve your game. To learn more about our high performance **Engineering Plastics** and **Polyurethane** offerings, please visit us at <http://performance-materials.basf.us/>

 **BASF**

We create chemistry

# INVENTIVE

## COMPOUNDING

### Next Level Performance

STRUKTOL Innovative Additives are designed to help you enhance compound processing.



*great IDEAS are born here!*

- + Viscosity Reduction
- + Improved Mold or Die Release
- + Enhanced Filler Dispersion
- + Faster Throughput Rates



Learn more at [4struktol.com](http://4struktol.com)  
or email [plastics@struktol.com](mailto:plastics@struktol.com)

# September Meeting Highlights



The Sajar Crew. Keynote Speaker John Raybuck pictured right.





# October Meeting Highlights



Social Hour



Akron Section SPE President, Nicole Fraifogl



Networking



Dinner



# October Meeting Highlights



Speaker,  
Bob Weiler



Q&A Session

# Membership Booth



# Plastics News Links

<http://www.plasticsnews.com/article/20180927/NEWS/180929924/tpe-production-moving-from-asia-to-north-america>



Fairlawn, Ohio — The global thermoplastic elastomer market is "at a change point" in 2018, with the supply chain shifting from Asia and Europe to North America, according to industry consultant ...

<http://www.plasticsnews.com/article/20181002/NEWS/181009972/lubrizol-others-tout-new-tpes-at-ohio-conference>

Fairlawn, Ohio — Lubrizol Corp. was among several firms focused on new thermoplastic elastomer materials at TPE Topcon, a conference hosted by the Society of Plastics Engineers, Sept. 19-20 in ...

## 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](mailto:johni@polysort.com)



**POLYSORT**  
The power of many.

# Board Meeting Minutes – October 1, 2018

**Call to Order:** Meeting called to order at 5:32 PM at PEAC

**Present:** Nicole Fraifogl/Brostowitz, Keith Pelfrey, David Schultz, Sherri Hart, Tony Dean, Viv Malpass, Joe Mattingly, Larry Stanek, Bob Weiler, Sahil Gupta and Josh Seylar

**Absent:** Tom McQuaide, Gary Taylor, John Fellenstein, Bob Wegelin, Kevin Malpass, Szu Hao-Jackie, Tzu Yu Lai, Juan Marin Angel, Anisa Cobaj, Marcos Pantoja and Che-Kuan Lin

Reviewed and approved minutes from August 27 BOD.

## **Technical Program 2018/19—Nicole Fraifogl**

- Nicole reminds BOD to please invite at least one colleague or contact to monthly meetings- template developed and will be sent off for Invite by Jenny via Sherri Hart. Nicole reviewed plans for October 15 meeting subject changed and in process via L. Stanek
- Dec 10- Planned Holiday Event/60 Year Anniv.- Galaxy- reviewed action items to consider set up and Special invites and Guest speaker
- Jan 14- ACESS with SPE- looking for forum-Cedar Point- Engineering- suggested plastic relevance
- March 11- Akron- Extrusion –MiniTech- Joe Mattingly to help and reviewed formats with Steere America and others to present.

## **House—Gary Taylor/Bob Wegelin**

Nicole for Gary confirms we are set for basic schedule of Akron meetings for year at Hilton- W. Market except October next door at Doubletree. BOD discussed format for Mini Tech- Extrusion set for March.

## **Technical Program 2019/20—Larry Stanek**

Larry reports he has a couple of items on the list that he will soon be following up.

Considering for next year Entec Plastic resins- New Polymers/Advancements, Solving Plastics Problems- Recycling and Plastics in Martian Mission plus possibly: Akron Bounce, Goodyear- Innovation Center, Americhem or Molders Night, ideas welcome.

## **Membership—Sherri Hart**

Sherri confirms easier format to help determine new members and current membership. Currently at 248 members. Plans suggested to identify new members- red star on name badge for meetings.

Review in process to determine what else we might do to help track/determine reasons for not re-signing.

## **Treasurer—Gary Taylor**

He has on HOLD currently –PlastiVan money-joint Akron-SPE, ASC-Akron and Cleve Program just confirmed ACS did get grant we can now move forward as planned joint venture to have PlastiVan program in Akron/NEO.

## **Councilor—Kevin Malpass**

- Bob Weiler sat in for Kevin Malpass recently for Councilor meeting on Sept 21-22- Charleston, SC.
- Bob confirms there are now changes in place re Pinnacle and Communication Awards- at website-review see below Awards details to be developed by Quarter- for Pinnacle and yearly for Comm. portion.
- In addition Council has brought up Insurance re Sections/Divisions suggesting all Sections consider their own cost \$450 per year as tied to Intl. Reviewed, made motion, voted and approved for Akron Section to pay for year- will inform Gary Taylor.
- Council has now confirmed all University students are able to join free via SPI grant.
- Plans in place to change Membership policy no free Sections/Divisions cost \$135- STRESS TO SIGN UP FOR AKRON.

# Board Meeting Minutes – 10/1 continued

## **Student Chapter—CheKuan Lin and Joshua Seylar**

- Josh Seylar attended his first meeting and informed he would be key Student Chapter/PESO contact this year.
- They are planning as we had suggested to get undergraduates engaged.
- They are planning a Fall Semester Membership drive and will try to engage some added Professors support.
- They report they will have an active group of attendees for ANTEC Detroit 2019.

## **Public Interest/Website/Newsletter—Tony Dean**

- Tony informs that he is set for year in periodicals and magazines.
- BOD suggests potentially touching bases with companies that we will be touring- mostly Cleve based for advertising on Akron website- suggest review with Cleveland.
- Special Note- new Agenda lists Awards as:
  - National Awards - Larry Stanek
  - Section Award - Keith Pelfrey

## **National Awards—Larry Stanek**

- Larry and Nicole reviewed again in detail-topics around Education, Outreach and Communication with BOD for new Pinnacle/Communication Award criteria as we tackle various sections per quarter.
- Review was carried out in detail Silver/Gold by Nicole- details per quarter to follow- see separate review provided by Larry/Nicole as we move into 2018-19 Year.

## **Section Awards—Keith Pelfrey**

Keith informs that he would be pleased to continue but would as well appreciate any added work Dan Jones would like to do to help. This would involve Intl Awards- Fellow and Honored Service- determined we would have a Honored Service Member candidate for year and no Fellow candidate.

## **Education Committee—John Fellenstein**

- Joe Mattingly reports - There will be Science Fairs set for January and March.
- January – Akron Public January 26- Sat at North HS.
- Section has already approved PlastiVan.

## **Education Foundation—Joe Mattingly**

- Foundation account doing well at target levels.
- Have sent student scholarship checks for the Fall term.
- The Education Foundation now has Joe Mattingly's home address.

## **Growth Committee—Kevin Malpass**

- Kevin Malpass reports that the committee will get together to review status and actions going forward especially based on new Pinnacle criteria.
- He further reports that Action items will now have to be re-developed as potential new members join.

## **Present and Future TopCons—Vivian Malpass**

- Excellent conference for TOPCON 2018 and well attended.
  - There were 185 attendees for conference
  - There were 57 attendees for Primer versus 34 in 2016.

# Board Meeting Minutes – 10/1 continued

## **ACCESS Update**

Akron Section ACS has recently informed Mike Dowell- Executive Director for ACCESS that they have received the grant that was designed to sponsor PlastiVan.

David Schultz Past President ACCESS reports they are looking for added help in a number of community oriented endeavors from all ACCESS societies as Brent Sisler- key community contact will step down and must parcel off his responsibilities. Included are keys areas such as Science Fairs, Math Counts as he was ACCESS Community Relations Chair- direct contact schools and teachers and Administrators.

## **Old Business:**

- Suggest addition of Young Professional- potentially for Website.
- Nicole has requested each BOD Member invite 1 person from business, industry, customer base to monthly meeting.
- Nicole has suggested and will reach out to various groups in extended Akron section territory- Youngstown State and Ashland University

## **Potential topics additional projects:**

- E- Week- update- L. Stanek
- Meetings scheduled for 1<sup>st</sup> Monday of Month- same as SPE BOD dates- Dan Jones will be attending for Akron Section. Anticipate that SPE will need to expand into undergraduate contacts- awards plus added Graduate Awards.
- D Schultz provided copy of Program for BOD to review.
- Status on Marcos project for two monitors in PEAC- John Fellenstein to discuss further with Dr Sadhan Jana.

## **New Business:**

2019 Vinyltec – Vivian Malpass

- Akron Section will co-host 2019 Vinyltec on Oct. 1, 2 and 3.
- Oct. 1 will be devoted to a Primer.
- Vivian Malpass will head committee.
- Nicole suggested that we be thinking of a succession plan.
- First committee meeting will be around Thanksgiving 2018.

Meeting Adjourned – 7:19 PM

Next BOD Meeting set for November 5, 2018 at PEAC- 5:30PM

---

SPE Akron Scholarship Winner Walid Abuhashim led the team of students who 3D printed and built a fishing pole for a boy with cerebral palsy.

<http://share.uakron.edu/mailAll/Digest/article/1341927>



## Akron Section Brings SPE's PlastiVan® to Early Grades



SPE's PlastiVan® is an exciting way to teach high school and middle school students about polymer science and about how chemistry affects their lives. Can we teach younger students who don't know about chemical bonds and polymers but whose lives are full of wonder and promise? Akron ACS and Akron SPE will bring a PlastiVan-based Ohio science curriculum to 3<sup>rd</sup> and 4<sup>th</sup> graders with the support of ACS's Innovative Project Grants program.

Mr. John Fellenstein at Akron University's Global Polymer Academy and Dr. Missi Zender-Sakach at Summit Educational Service Center, have each developed lesson plans. PlastiVan® will come to 4<sup>th</sup> graders at Nolley Elementary in Manchester District (New Franklin) on November 13. It comes to Akron's new iPromise school on December 3 and 4 and when it returns to Nolley Elementary on December 5<sup>th</sup>, those 4<sup>th</sup> graders will help the 3<sup>rd</sup> graders learn polymer science!

Each class gets hands-on instruction with Mr. Fellenstein. Each school can use that lesson plan. We're asking teachers and students what they think about the lesson.

Do you have a student in Akron or Manchester schools? Your teachers are excellent science educators! ACS and SPE are proud to assist. Please spread the word, and look in your school newsletter for more information.

*Would you like to assist at Nolley Elementary on November 13 or December 5, or at Akron iPromise on December 3 or 4?* Mike Dowell, [mbdowell@windstream.net](mailto:mbdowell@windstream.net) has details. Helpers can spread a good teaching lesson throughout the STEM community.

**Chair:** Michael Fricke, PhD  
**Secretary:** Michael Dowell

**Chair-Elect :**  
**Treasurer:** Walter Salamant

**Past-Chair:** Charles Kausch, Ph.D



**AKRON**

## **2019 "Wonders of Plastics" Essay Contest**

The Akron section of the Society of Plastics Engineers (SPE) is pleased to announce the 2019 "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 have done for me

Why the bad reputation of plastics is wrong

### **Submit your Essay to**

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

**Questions may be directed to the Akron SPE Education Committee, attention: John Fellenstein by phone or email**

**Tel:** 330-972-6334 | **Fax:** 330-972-2624

**Email:** [jfellenstein@uakron.edu](mailto:jfellenstein@uakron.edu)

**Entry must be postmarked by February 28, 2019!**



## 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: | February 28, 2019 (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: John Fellenstein  
250 S. Forge St  
Akron, OH 44325-0301

**Tel:** 330-972-6334 | **Fax:** 330-972-2624

**Email:** [jfellenstein@uakron.edu](mailto:jfellenstein@uakron.edu)

***Entries must be postmarked by February 28<sup>th</sup>, 2019!***

# 2019 Scholarship Program Information



## AKRON

### **Background**

The purpose of the Akron Section of the Society of Plastics Engineers Scholarship Program is to promote knowledge in polymer science, engineering, and technology. Started in 1988, it has awarded over \$300,000 to area students. Preference is given to students enrolling in two- and four-year programs with a focus on plastics and polymers.

Scholarships up to \$3000 per year will be awarded and can be used for tuition, books, laboratory fees, and other educational costs necessary to earn a certificate or associate or baccalaureate degree in preparation for a career in polymers.

### **Scholarships Available**

Goodyear Tire & Rubber Company

Rubbermaid

Kenneth L Sharp Memorial Scholarship

Jim Steiner Memorial Scholarship

SPE - Akron Section

Special Merit Awards

*Names of scholarship recipients will be distributed to donor companies for possible internship or cooperative programs. The number of scholarships awarded per year will vary according to the number of qualifying applicants.*

### **First-time Applicants**

Interested students from local high schools, technical and vocational schools, and area colleges are encouraged to fill out the attached SPE Scholarship Application form, including the essay, references, and current transcript. Students are encouraged to discuss their interests in plastics.

All scholarships are awarded for one year with option for renewal. The awards are for full-time, undergraduate, students only. Co-op students are also eligible

### **Renewal Applicants**

Renewal Instructions:

1. Maintain a minimum **2.5/4.0** grade point average or equivalent.
2. Submit grade reports and course selections demonstrating polymer-related curriculum prior to start of next semester.
3. Apply for renewal scholarship using SPE application form. (References and essay are not required for renewal.)

### **Scholarship applications should be sent to:**

**Akron SPE**  
**Attn: John Fellenstein**  
**250 South Forge Street**  
**Akron OH 44325-0301**  
OR  
[jfellenstein@uakron.edu](mailto:jfellenstein@uakron.edu)  
**Deadline is March 18, 2019**

### **Selection Criteria**

1. Scholastic Achievement
2. Interest in a plastics career
3. Extracurricular activities
4. Financial need
5. Two letters of reference from instructors or supervisors. (to be included with application)

Residence within area covered by Akron SPE

### **2018 Award Recipients**

#### **Rubbermaid Scholarship**

Walid Abuhashim

*The University of Akron*

#### **Kenneth L Sharp Memorial Scholarship**

Joseph Rizzo, Jr.

*The Ohio State University*

#### **Goodyear Scholarship**

Emma Harmon

*The University of Akron*

#### **Jim Steiner Memorial Scholarship**

Gina Tubo

*The University of Akron*

#### **SPE – Special Merit Scholarships**

Nicolette Athans-*Ohio University*

Jack Bahmer-*Texas A&M*

Tanner Brahler-*The University of Akron*

Erin Christian-*The Ohio State University*

Ean Hudspath-*The University of Akron*

Carter Kuwatch-*The University of Akron*

Kaila Oberhaus-*The Ohio State University*

Connor O'Brien-*Virginia Polytechnic*

Steven Prexta-*The Ohio State University*

Victor Vogt

Jasmine Walker-*Central State University*



# 2019 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 a STEM field that focuses on plastics or polymers (*or another related field*) 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 a STEM related career. Attach these references to this application.

**All applications must include a current transcript.**

**All Applicants return application by March 18<sup>th</sup>, 2019 to the following address:**

**Akron SPE**

**Attn: John Fellenstein**

**250 S. Forge St Akron, OH 44325-0301**

For questions, please contact John Fellenstein, phone: 330-972-6334, or email

[jfellenstein@uakron.edu](mailto:jfellenstein@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 ON OR BEFORE APRIL 15, 2019 to:  
Keith Pelfrey , 828 Pegan Drive , Wadsworth Oh 44281  
PHONE: 330-336-3490**

**E-mail questions to [kpelfrey@neo.rr.com](mailto:kpelfrey@neo.rr.com)**

***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 2018 at Firestone CC May 20, 2019

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

# Programs for 2018 / 2019

Sept. 17 **Sajar Plastics**  
Gas Injection Molding, Plant Tour  
-- Middlefield, Ohio - Cleveland \*

Sept. 18-20 **13<sup>th</sup> TPE TOPCON**  
-- Hilton Fairlawn - Akron \*

Oct. 15 **Polymer Coating Systems**  
-- DoubleTree by Hilton Fairlawn  
Akron \*

Nov. 12 **Quality Synthetic Rubber**  
Tour  
-- Twinsburg, Ohio - Cleveland \*

Dec. 10 **60 Years and Holiday Celebration**  
Madrigal Singers and Speaker  
-- The Galaxy, Wadsworth – Akron\*

Jan. 14 **ACCESS**  
-- Hilton Fairlawn - Akron \*

Feb. 11 **Mar-Bal**  
Thermoset Molding, Tour  
-- Mentor, Ohio - Cleveland \*

Mar. 11 **Extrusion Event**  
After-Market Suppliers  
-- Hilton Fairlawn - Akron \*

Apr. 8 **Magnet Presentation**  
-- Hilton Fairlawn - Akron \*

May 20 **Akron Section Awards Night**  
-- Firestone Country Club  
Akron

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

## Board Meeting Dates

Generally scheduled the first Monday of the month at 5:30 p.m. in the conference room of the UA Polymer Engineering Academic Center.

October 1, 2018  
November 5, 2018  
December 3, 2018  
January 7, 2019  
February 4, 2019  
March 4, 2019  
April 1, 2019  
May 6, 2019  
June 3, 2019

## Membership Report - 2018

The Akron Section currently has 248 active members.

| <u>Month</u> | <u>Active</u> | <u>New +<br/>Renewal</u> | <u>Expired +<br/>Dropped</u> |
|--------------|---------------|--------------------------|------------------------------|
| Jan          | 263           | 3 + 0                    | 1                            |
| Feb          | 267           | 5 + 0                    | 2                            |
| Mar          | 274           | 7 + 0                    | 3                            |
| Apr-Aug      | 246           | --                       | --                           |
| Sep          | 248           | 3                        | 1                            |

# Akron Section Past Presidents

*59 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. Whitnable       | 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           |
|           |                           | 2017-2018 | Tom McQuaide            |

**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  
if you are interested.**

**Thank You!**

# Akron Section Board of Directors

Nicole Fraifogl  
*Viscus Biologics LLC*  
 216-744-2740 ext 707 T  
 nicole.fraifogl@viscusbiologics.com

President/Chair,  
 Website/Social Media

Larry Stanek  
*ENPAC LLC*  
 440-975-0070 ext 313 T  
 440-975-0047 F  
 lstanek@enpac.com

President/Chair-elect,  
 Technical Program

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

Secretary

Gary Taylor  
*Retired*  
 330-419-4380 T  
 taylorgandc@gmail.com

Treasurer, House

Kevin Malpass  
 330-398-9411 T  
 kevin.malpass@gmail.com

Councilor, Growth

Tom McQuaide  
*A. Schulman*  
 330-630-7113 T  
 330-630-3349 F  
 Tom.McQuaide@schulman.com

Past President/Director

Robert Weiler  
*Amfine Chemical Corp.*  
 330-283-9024 T  
 rweiler@amfine.com

Prior Past President/  
 Director

Prof. Younjin Min  
*U Akron Polymer Eng.*  
 330-972-5167 T  
 330-258-2339 F  
 ymin@uakron.edu

Director,  
 Student Chapter Advisor

CheKuan Lin  
*Student - U Akron Polymer Eng.*  
 424-341-8772 T  
 cl139@zips.uakron.edu

Director,  
 Student Chapter  
 SPE Liaison

Joshua Seylar  
*Student - U Akron Polymer Eng*  
 865-437-6114 T  
 jcs201@zips.uakron.edu

Director,  
 Student Chapter  
 SPE Liaison

Keith Pelfrey  
*HC-Companies*  
 216-315-0966 T  
 kpelfrey@neo.rr.com

Director, Awards

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

Director, House

Tony Dean  
*Retired*  
 330-929-9916 T  
 francis@neo.rr.com

Director,  
 Advertising/Public Interest,  
 Website/Social Media

Sherri Makar Hart  
*Case Analytical Laboratories*  
 330-634-3452 T  
 contact@caseanalytical.com

Director, Membership

Joe Mattingly  
*Goodyear Tire & Rubber Co.*  
 330-208-6913 T  
 330-896-7379 F  
 joe@mattingly.us

Director, Education  
 Foundation

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

Director

John Fellenstein  
*U Akron Polymer Engineering*  
 330-972-6334 T  
 330-972-2624 F  
 jfellenstein@uakron.edu

Director,  
 Education

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

Director

Vivian Malpass  
*Tek-Mark International*  
 330-342-1120 T  
 330-342-1134 F  
 vivian.malpass@tek-mark.com

Director, TopCon 2018,  
 Conference

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

Newsletter





# Akron Section Society of Plastics Engineers Educational Foundation



1-18

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 thirty years that the foundation has been in existence, it has provided scholarships to over 265 young men and women totaling in excess of \$335,000 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 four 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 21, 2018.

We look 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*



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

---

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

---

**Insertion Order 2018-19**

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 60<sup>th</sup> year of the Akron SPE Section and rates are for entire season, September 2018 – Summer 2019. **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 (logo) and web site.

**Email artwork and this Insertion Order (completed) as an attachment to [francis@neo.rr.com](mailto:francis@neo.rr.com)**

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

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

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

**Contact Person**

**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