

# Polymer Valley News

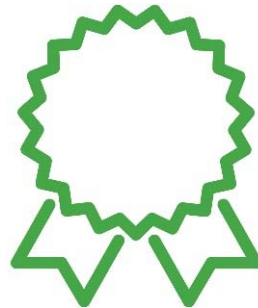


The Newsletter of the Akron Section of the Society of Plastics Engineers  
*Our 62<sup>nd</sup> Year of Education and Service to the Plastics Industry*

~ Next Session ~

**Monday, May 18, 2020**  
**5:30 p.m.**

**Awards Night**  
**Firestone Country Club**  
452 East Warner Road  
Akron, Ohio 44319



Please join us for the last meeting of the season as we present various awards and scholarships.

*We will update if this event is cancelled.*

Robert A. Woloszynek, Ph.D.  
Chief Engineer, Polymer Science and Technology  
The Goodyear Tire & Rubber Company

**“Sustainable Innovation Through Soy”**

## Meeting Information

Member and/or guest	\$30
Retired	\$25
Student	\$10
New Member - first meeting	Free

Social / Networking / Bar	5:30 p.m.
Dinner	6:00 p.m.
Program	Following dinner

Reservations must be in by noon on Friday, May 15 and can be made to Gary Taylor at 330-419-4380 or akronspe1@gmail.com  
Please be sure to include the company affiliation of each attendee including dietary restrictions.

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# President's Message



Dear Akron SPE Members.

I would like to start by hoping that everyone and their family is healthy, and that we will all get through this current health crisis safely. From what I have heard, the best action that we can take right now is to follow the recommendations and rules that have been set up by our respective employers, schools and government.

I have faith that we are strong and resourceful as a nation and that we will get through this together. I know that many activities and meetings are not the most important items that we may be thinking of or planning for, but I feel that I still need to update those that are interested in the state of our upcoming events.

I have been informed that the April 13th tour of Smartshape, that was being hosted by the Cleveland, section has been cancelled. The April 6th Akron section BOD meeting will be done online and when the meeting platform is finalized an email will be sent out to BOD members, and it will also be posted on our website at <http://www.akronspe.org/>.

For those that are wondering about the May BOD meeting or the May 18th Awards Banquet, we are still hopeful that these events will take place, but our main focus right now is that we all get through this crisis without incident. I know these are trying times, so please take every precaution possible to take care of yourselves and your families. Updates regarding any of our events or meetings will be shared via email or on our website, but if anyone has any questions that they cannot find the answer to, please do not hesitate to contact me.

President, Akron Section

*Larry Stanek*

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# Speaker Biography

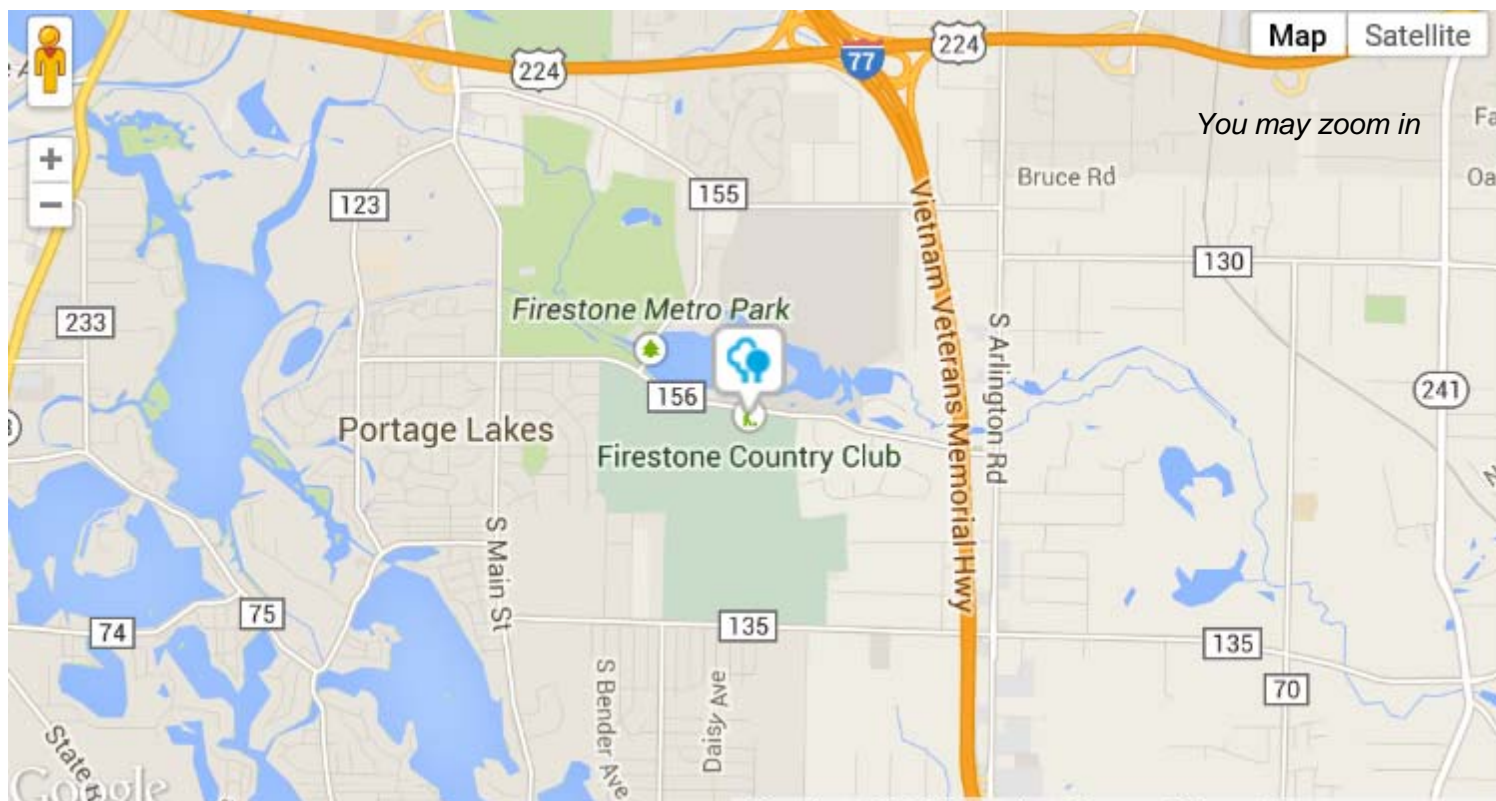
## **Robert A. Woloszynek, Ph.D.**

*Chief Engineer, Polymer Science and Technology*  
The Goodyear Tire & Rubber Company



Woloszynek joined Goodyear in 2007 as a Senior Research Chemist in the Polymer Technology Group. He spent the early years of his career serving as the Principal Investigator for the development of a new neodymium catalyst system and subsequent family of commercialized tire polymers that are used in Goodyear products globally. In 2012, he became the Principal Investigator on Goodyear's soybean oil project, where he leveraged the properties of soybean oil to develop a novel polymer currently used in a premium Goodyear product. He has authored numerous proposals securing external funding from the United Soybean Board to support ongoing research activities. Goodyear's soybean oil technology has been implemented in multiple tire products since 2017, and research efforts to further leverage the technology remain ongoing. He has also been Lead Engineer in the Global Material Science organization, supporting tire compound development and efforts to improve product consistency. In his current role as Chief Engineer, he leads a team of scientists and engineers tasked with developing new polymer technologies to support both Goodyear's tire and chemical operations businesses.

Woloszynek earned a B.S. in Chemistry from Baldwin-Wallace University in 2002 and a Ph.D. in Organometallic Chemistry from Case Western Reserve University in 2007.



## Advertiser Index

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– see page 21 for the order form*

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We look forward to working with you in the future!

## Membership Report - 2020

The Akron Section currently has 253 active members.

<u>Month</u>	<u>Active</u>
Jan	253
Feb	252
Mar	
Apr	
May	
Jun	
Jul	
Aug	
Sep	
Oct	
Nov	
Dec	

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# 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)

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## SPE National

Please click the following areas of interest:

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[Akron Section](#)

## 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.

8/26/19	2/3/20
9/30/19	3/2/20
11/4/19	4/6/20
12/2/19	5/4/20
1/6/20	6/8/20

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# March Meeting Highlights



Speaker Bryan Smith (right)

Social hour



Joe Mattingly and Nicole Fraifogl



# March Meeting Highlights

Dave Schultz (left) and Dennis Meade



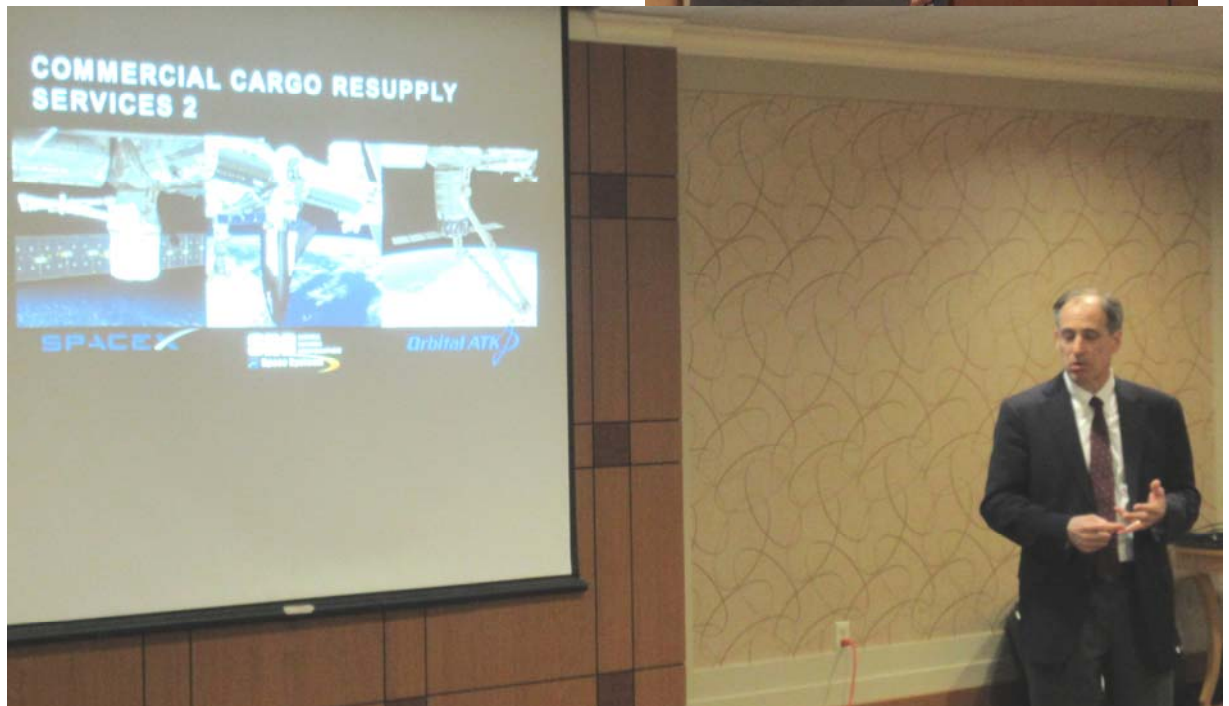
## Space



Akron SPE President Larry Stanek



Speaker Bryan Smith



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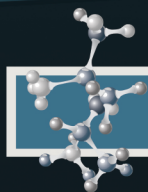
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# Board Meeting Minutes – March 2, 2020

**Call to Order:** Meeting called to order at 5:30 PM at PEAC- University of Akron.

**Present:** Larry Stanek, Keith Pelfrey, Nicole Fraifogl, Gary Taylor, John Fellenstein, Joe Mattingly, Bob Wegelin, Joshua Seylar, Kevin Malpass, Bob Weiler, David Schultz, Dan Jones and Sherri Makar Hart

**Absent:** Tom McQuaide, Tony Dean, Viv Malpass, Sahil Gupta

## **Minutes from February**

Minutes from February meeting were reviewed and unanimously approved. Thank you again Sherri for handling the minutes.

## **President's Remarks**

President-Elect for 2020-21 is still needed - Larry offered to serve a second term as President until another board member is able to fill the position. We will proceed as noted a committee of BOD handling ideas, suggestions and set-up for meetings along with Rik Keley.

*In addition most IMPORTANT ACTION ITEM- Search for SOCIAL MEDIA HELP!! It will help to make sure SPE and it's activities and meetings are seen and thus bring added attendance to our meetings!!!*

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

Upcoming programs:

March 9 - speaker from NASA - at Hilton in Fairlawn all details are set lap top and project, need to gather attendees- Cleveland/Akron and many other different groups-ALL

April meeting - SmartShape tour set-up with Cleveland section -Cancelled

May - Awards banquet set at Firestone Country Club. Follow-up: Larry has requested Speaker suggestions - Goodyear per Joe Mattingly- option Plan A other materials oriented Plan B and Plan C- KSU- Marketing- MBA- No decision re COVID 19 issues.

## **House—Gary Taylor/Bob Wegelin**

Gary confirmed locations set for March 9 at Hilton and May Awards at Firestone Country Club. Will inform of planning based on COVID 19 issues.

## **Technical Program 2020/21—BOD Committee**

BOD discussed ideas for programs for upcoming year.

-Keith Pelfrey noted U of A Professor doing work on bio-based films.

-Joe Mattingly will follow-up on options for touring Goodyear, Innovation Center.-

-Nicole Fraifogl suggested 3-D printing options - potentially for Dec social event at Library- Cuyahoga or Akron.

-Taking a tour of University of Akron discussed and possible presenters.

Group discussed benefits of having tours: high participation, lower cost for attendees, and profitable for section. Confirmed no Sept meeting due to TPE TOPCON and ask Cleveland to run Oct meeting.

Carry-over ideas that still need to be discussed or omitted:

- Advances in Technology and Engineering, try to engage Student Chapter/ PESO, NPIC and local area companies- will discuss opportunities with Cleveland.

- Dave Schultz recommended Bio-Med 3-D printing tour - potential for Jan -ACCESS Meeting- to visit week of March 11- On hold.

- Hands-on – Engineering oriented meeting, involves students to greater extent and 3D Printing.

- Nicole noted a medical potential talk with Cleveland based 3D Heals.

# Board Meeting Minutes – 3/2 continued

## **Technical Program 2020/21—BOD Committee - continued**

- Jeff Hoffman was as well mentioned as potential speaker Innovation and World travel.
- Joe Mattingly brought up Extrusion Mini-Conference, Twin-screw and Continuous mixing plus potential for 3D Printing visit.
- Americhem tour- Joe Mattingly to check.
- AIChE interest in future joint meeting- Dan Jones to handle with Barteve- E Week.

## **Membership—Nicole Fraifogl**

Membership is at 252 members.

## **Treasurer—Gary Taylor**

Gary reported he is up-to-date on financials, finalized review of Expenses through February 2020. The rebate from SPE National continues to decline.

## **Councilor—Kevin Malpass**

Kevin reported that John Fellenstein would handle Councilor duties for Akron Section in his absence late March- Thank you John. In addition Kevin informed of a couple of pressing items including checking Leadership lane- renaming positions to streamline and as well new group Sustainability??

## **Student Chapter—Joshua Seylar**

Joshua Seylar reported the tours are complete for this student year but have some speakers coming in later this spring- details soon. In addition there are two students planning to attend ANTEC. Requested monies as past for support.

Motion made to provide support of each student with a maximum of five students after having approved trips by Advisor.- Passed.

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

Tony sent a report that he is up-to-date.

BOD discussed whether to provide free advertising to companies that we tour. Suggested charge in the following year.

Tony wrote short articles for West Side Leader and other papers - will try to include contact at ABJ.

## **National Awards—Larry Stanek**

Discussed resubmitting nomination of Bob Weiler for Honored Service Member for next year. Utilizing newly found ideas and suggestions after this year's submission. In addition to consider Joe Mattingly for next year.

## **Section Awards—Keith Pelfrey and Sherri Hart**

Keith informed the group that Larry has been selected as the recipient of the Zekan award.

Hall of Honor – have received bio information on the winner.

Details now being reviewed by BOD including Presentation- Scholarships, Hall of Honor, Zekan, Program, Brochure, Awards, PowerPoint as well as trial run for May 18<sup>th</sup> Awards Banquet.

# Board Meeting Minutes – 3/2 continued

## **Education Committee—John Fellenstein**

John confirms we are set with 8 Scholarships for this year some renewals and have now put in place stricter guidelines MUST be polymer, polymer engineering or materials oriented- this with help from Education Foundation.

He reports he has received 13 essay from Rootstown MS none from HS- reviewed monies given in couple of years in the past.

Motion was made- provide awards as in past – First place, second place and to the Teacher- voted and Approved

PlastiVan going very well - two new Educators needed in US.- Suggest bring up Plastivan at Awards Banquet. Cleve Section has two visits set- Great Lakes Science Center- May 1 and Twinsburg- MS May 6<sup>th</sup>- John will handle- All I am sure on HOLD

Science Fairs:

Jan 25-STEM EXPO (Akron Public Schools) - Nicole and Sherri awarded monies split among four projects that involved plastics.

Science Fairs coming up:

Feb 29 - Goodyear STEM Day HS- Joe Mattingly contact. John will participate as “Professor Polymer”.- completed with 350 students attending

Science Fair- Science Olympiad- Volunteers needed- March 14<sup>th</sup>- U of Akron- Contact John Fellenstein- Cancelled

Western Reserve District V- March 21- requested update on Awards- Motion made to provide two Awards HS/MS as seen fit by Judges- Nicole, Sheri and Dave- Nicole to handle funds-voted and Approved – In addition SPE also is already providing a donation for support as in the past - On HOLD Virtual Science Fair in process of development.

## **Education Foundation—Joe Mattingly**

Joe and Foundation members met with financial advisor Jan 28 to include some growth investments to portfolio.

Scholarships - Will aim for \$11k and reassess criteria to closer match bylaws

Bylaws still under review.

## **Growth Committee—Kevin Malpass**

Kevin reports he plans re forward the planned list that had been developed, work on a couple of Action items, then with those complete regroup and fine tune added items

Suggested to develop a brochure re Top 20/10 reasons to join SPE- Akron for Awards Banquet and as well include Application potential to join Akron Section.

## **2020 TPE TOPCON—David Schultz/Gary Taylor**

Website is up and checked by Gary.

Awaiting final information from Tony Dean via Intl SPE for SPE and Akron sites- so can commence Sponsorship campaign.

Next TOPCON Committee meeting set for 5:30 PM, March 3 at the Hilton in Fairlawn.

Contacts: Co-chairs David Schultz, Bill Blasius (Rogers Corporation) and Homaira Nassem (Alpha Gary). Tony Dean- Intl Office contact.

# Board Meeting Minutes – 3/2 continued

## ACCESS Update

E week Banquet took place good turn out- Univ of Akron Engineering showcase with 250-300 attendees included a panel discussion led by dynamic young engineer- Jade Reese. Need ideas for format as Reminder - E- Week- Akron section to host in 2023- still need to have brainstorming- as to Special projects to highlight- PlastiVan outreach, Student Chapter.

Ongoing: E-Week meetings scheduled for 1st Monday of Month (same as SPE BOD)- Dan Jones will attend for Akron Section.

## Old Business

None to report.

## New Business

Determined we should ad ACCESS to SPE website – Hot Link -Nicole to handle.

Interest in future in hosting a Podcast.

## Notes / Follow Up Needed:

Status of new named SPE Akron section scholarship.

Joe recommended BOD meetings provide call-in/remote access for members who cannot attend in-person. Free online meeting services such as ZOOM.

Meeting Adjourned 7:17 PM – Next BOD Meeting set for April 6, 2020 at PEAC 5:30PM. COVID 19 issues- will regroup and determine meeting??

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

**Please consider becoming a  
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**Contact anyone currently  
on the board  
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**Thank You!**



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# Programs for 2019 / 2020

- Sept. 9 **Nova Chemicals**  
How Resins are Produced  
-- Hilton Fairlawn - Akron \*
- Oct. 1-3 **VINYLTEC**  
-- Hilton Fairlawn - Akron \*
- Oct. 14 **Tymex**  
Plant Tour  
-- Harvard Ave, Cleve. - Cleveland \*
- Nov. 11 **ENTEC Resins**  
Plant Tour  
-- Route 18, Medina - Akron \*
- Jan. 13 **ACCESS – Technical Recruiting Roundtable**  
-- Hilton Fairlawn - Akron \*

- Feb. 10 **Polymag**  
Presentation  
-- Twinsburg Hilton Garden - Cleveland \*
- Mar. 9 **NASA Glenn**  
Bryan Smith, Director of Space Flight Systems  
-- Hilton Fairlawn - Akron \*
- Apr. 13 **Smartshape - cancelled**  
Plant Tour  
-- Rockwell Ave - Cleveland \*
- May 18 **Akron Section Awards Night**  
-- Firestone Country Club  
Akron

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

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1963-1964	Edward L. Hillier	1993-1994	Anthony F. Dean, Jr.
1964-1965	John R. Russell	1994-1995	Wayne Decamp
1965-1966	John R. Russell	1995-1996	Melanie Stewart
1966-1967	Clyde H. Jones	1996-1997	Kevin Hershfield
1967-1968	Alan Corry, Jr.	1997-1998	David Schultz
1968-1969	Bernard M. Saffian	1998-1999	John Raab
1969-1970	Harold R. Schick	1999-2000	Gary Taylor
1970-1971	Robert G. Hills	2000-2001	Kevin Malpass
1971-1972	John J. Satterfield	2001-2002	Kenneth L. Sharp
1972-1973	Alexis M. Gross	2002-2003	Joseph E. Pfeiffer
1973-1974	Francis J. Maurer	2003-2004	Robert C. Wegelin
1974-1975	Leverett A. Anderson, Jr.	2004-2005	Joseph Mattingly
1975-1976	Robert M. Hershey	2005-2006	Lloyd A. Goettler
1976-1977	Richard L. Fleshman	2006-2007	John Woodside
1977-1978	David Curtis	2007-2008	Vivian Malpass
1978-1979	John A. Zelek, Jr.	2008-2009	Joseph Mattingly
1979-1980	Gerald W. Whitnable	2009-2010	David A. Katz
1980-1981	Kathleen N. Bechter	2010-2011	Lloyd A. Goettler
1981-1982	Victor E. Giuffrida	2011-2012	David Schultz
1982-1983	James Steiner	2012-2013	Kevin Malpass
1983-1984	Robert G. Hills	2013-2014	Dan Jones
1984-1985	Anthony F. Dean, Jr.	2014-2015	Vivian Malpass
1985-1986	Gene Buser	2015-2016	Keith Pelfrey
1986-1987	Harry J. Barth	2016-2017	Robert Weiler
1987-1988	Judith A. Fallon	2017-2018	Tom McQuaide
1988-1989	William E. Tosko	2018-2019	Nicole Fraifogl

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Jia Ruey <i>Student - U Akron Polymer Eng.</i> 330-890-7039 T ja164@zips.uakron.edu	Director, Student Chapter SPE Liaison	Robert Weiler <i>Retired</i> 330-283-9024 T rgweiler@zoominternet.net	Director, VINYLTEC 2019 Co-chair
Joshua Seylar <i>Student - U Akron Polymer Eng</i> 865-437-6114 T jcs201@zips.uakron.edu	Director, Student Chapter SPE Liaison	Awards	Open
Keith Pelfrey <i>Retired</i> 216-315-0966 T kpelfrey@neo.rr.com	Director	Jenny Digiantonio <i>Retired</i> 330-806-6214 T jenny.akronspe@aol.com	Newsletter



# Akron Section Society of Plastics Engineers Educational Foundation



1-20

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 1983, 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 275 young men and women totaling in excess of \$385,000 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 1983, we offered those companies who contributed a substantial donation, a perpetual annual 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 Joe Mattingly, 4918 Massillon Rd, North Canton, OH 44720.

## Akron SPE Scholarship Donation Commitment

- \$50,000 lump sum
- \$10,000/yr. next 5 yrs.
- \$6,250/yr. next 8 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 scheduled May 18, 2020.

We look forward to your support of this very worthwhile cause by your fine company. Please contact me at (330) 208-6913 with any questions. Thank you for your consideration.

Sincerely,  
*Joe Mattingly, Foundation Chair*  
*Akron Section Society of Plastics Engineers, Educational Foundation*



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

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This is the 61<sup>st</sup> year of the Akron SPE Section and rates are for entire season, September 2019 – Summer 2020. **Payable in Advance. Please let me know if you need an invoice.**

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**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!

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c/o Gary Taylor  
Akron SPE  
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Wadsworth, OH 44281