

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

~ Next Session ~

Monday, November 13, 2017
5:30 p.m.

The Madison Group
Hilton Garden Inn
8971 Wilcox Drive
Twinsburg, Ohio 44087



Prevent Failures by Understanding Why Plastics Parts Crack

Jeffery Jansen will present a short seminar on polymer failure modes following dinner.

Meeting Information

Member and/or guest	\$30
Non-member	\$35
Retired	\$25
Student	\$10
New Member - first meeting	Free

Social / Networking	5:30 p.m.
Dinner	6:00 p.m.
Presentation	7:00 p.m.

Reservations must be in by noon on Wed, Nov. 8 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.

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Speaker Biography

Jeffrey A. Jansen is Senior Managing Engineer and a Partner at The Madison Group, an independent plastics engineering and consulting firm. Jeff specializes in failure analysis, material identification and selection, as well as compatibility, aging and lifetime prediction studies for thermoplastic materials.

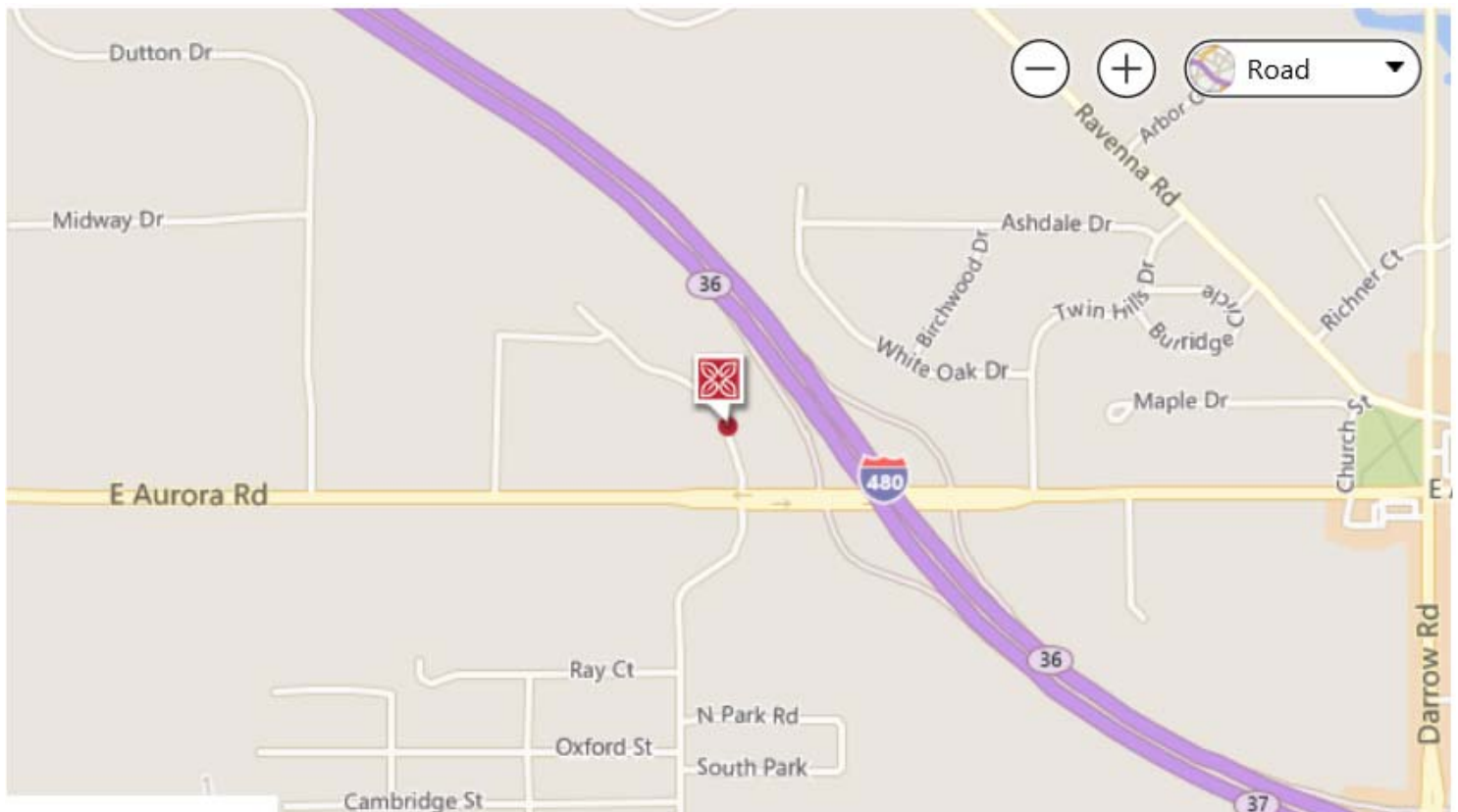
He has been solving polymer-related problems for 23 years. In that time, he has performed over 3,350 investigations, both for industrial clients and as a part of litigation.

Jeff is a regular presenter on the SPE webinar series, covering a wide range of topics related to plastics failure, material performance, testing and polymer technology.

Jeff is a graduate of Carroll College and the Milwaukee School of Engineering.



Meeting Map



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CALL FOR PRESENTATIONS

The SPE Thermoplastic Elastomers Special Interest Group (SIG) & Akron Section invite the submission of abstracts for presentation at the 13th TPE Topical Conference September 18-20, 2018.

In a change of format, only abstracts and presentations will be required.

Accepting presentations on the latest thermoplastic elastomer developments in:

- Medical and Healthcare
- Automotive and Transportation
- Wearable Electronics
- Advances in Processing Technologies
- Performance Enhancing Additives

Please submit presentation title, abstract, author/presenter name and affiliation to:

William Blasius
+1 774-545-0990 | wqblasius@gmail.com

Submission Deadlines:

Abstract: March 1, 2018

Completed Presentation: July 15, 2018

2018 Scholarship Program Information



AKRON SECTION

Background

The purpose of the Akron Section of the Society of Plastics Engineers Scholarship Program is to promote knowledge in polymer science, engineering, and plastics technology.

Started in 1988, it has awarded over \$320,000 to area students.

Preference is given to students enrolling in two- and four-year programs with a focus on plastics and polymers. STEM students are good fits for these scholarships and for future employment in the plastics industry.

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 for the plastics industry.

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, under-graduate, 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
Deadline is March 16, 2018

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

2017 Award Recipients

Rubbermaid Scholarship

Eric Britton

University of Akron

Ken Sharp Memorial Scholarship

Joe Rizzo Jr.

The Ohio State University

Goodyear Scholarship

Connor O'Brien

The University of Akron

Jim Steiner Memorial Scholarship

Gina Tubo

The University of Akron

SPE – Special Merit Scholarships

Tanner Brahler

The University of Akron

Emma Harmon

The University of Akron

Nicolette Athans

The Ohio State University

Steven Prexta

The Ohio State University

Walid Abuhashim

The University of Akron



2018 Scholarship Application & Renewal Akron Section - Education Foundation

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

New Applicants Only, please continue:

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

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

9. 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 (or another related field) as well as how your intended field of study will help you achieve your career goals.
10. Have **two** (and only 2) academic references (instructors or supervisors) provide the committee with a letter documenting their insights on your scholastic achievements and potential for future success in the fields of plastics and polymers. Attach these references to this application.

All applications must include a current transcript.

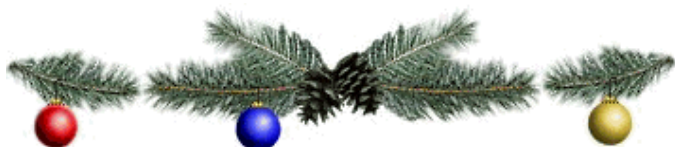
All Applicants return application by March 16th, 2018 to the following address:

**Akron SPE
Attn: John Fellenstein
250 S. Forge St
Akron, OH 44325-0301**

For questions, please contact Dr. John Fellenstein, phone: 330-972-6334, or email jfellenstein@uakron.edu

Save the Date

Our holiday gathering will be held at The Galaxy Restaurant in Wadsworth on Monday, December 4. We will once again enjoy being entertained by The Firestone Madrigals.




	<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
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	<ul style="list-style-type: none">• Densephase Pneumatic Conveying		<ul style="list-style-type: none">• Vibratory Feeders• Bin Activators
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Board Meeting Minutes – October 2, 2017

Call to Order: Meeting called to order at 5:30 PM at PEAC, University of Akron

Present: Tom McQuaide, Gary Taylor, David Schultz, Keith Pelfrey, Nicole Brostowitz, Marcos Pantoja, Tzu Yu Lai, Szu Hao-Jackie, Meeta Trevedi, Juan Marin Angel, Sherri Hart, John Fellenstein and Bob Wegelin

Absent: Bob Weiler, Viv Malpass, Kevin Malpass, Tony Dean, Anisa Cobaj and Joe Mattingly

Special vote was arranged with quorum present to elect Sherri Hart - from Case Analytical to the BOD.

Welcome to New Board Member- Sherri Hart - Case Analytical- she has shown interest to aid us in our new Growth Committee

Minutes from **August 28, 2017** were reviewed and approved.

ORGANIZATIONAL NOTES:

None.

Committee Reports:

Technical Program 2017/18—Tom McQuaide

Informed status is same- but does need to hear back on Cleve status for Feb 2018 Medical oriented meeting- as well Keith Pelfrey informed potential company in Cleve- Design that may be option- Keith to contact Dan Crist/Rik Keeley to review. Need to have details for ACCESS oriented meeting- Jan 2018.

Nicole has noted IMPORTANT that we need to be sure to provide all details on Program for website to her as well for Jenny for Newsletter earlier.

Technical Program 2018/19—Nicole Brostowitz

Nicole reports that she and her Committee are accepting ideas currently as process starts to set up next years program. Technical Program Committee 2018-19 aligned Nicole Brostowitz, Keith Pelfrey and Bob Weiler plus input from Cleveland Section.

House—Gary Taylor/Bob Wegelin

Gary reports he is set for all Akron meetings and that Cleveland is until Holiday Gathering- early Dec. Need to confirm additional dates re Cleveland.

Membership--Sahil Gupta

Reported just recieved Akron numbers for September at 271 basically varying 270-280 over past year suggested with New Boundaries and Growth Strategy really should be able to increase our Membership. This is now a key objective for society. They do have the new Dashboard and Sahil is aware of the additional new tools from Intl. Sahil is working with Nicole to help identify new members in expanded geography Zip Code 44XXX.

Treasurer--Gary Taylor

Gary provided monthly statements in good shape.



Board Meeting Minutes – 10/2 continued

Councilor--Kevin Malpass

No report.

Student Chapter—Tzu Yu Lai and Anisa Cobaj

Student Chapter continues to have great representation and has informed would like to have another recruitment drive- BOD voted on and approved \$50 to help offset costs- coffee and donuts for drive late Oct/Nov time frame. In addition they inform will have a Winter Banquet- need details, ANTEC for Florida was reviewed and Akron Section agreed would consider as in past aid in funding- should as well check Intl- Scott Marko.

Tzu Yu Lai to contact Bob Weiler- current Vinyl Div. Chair for information on Scholarships.

Job Postings – Anisa/Cobaj/Tzu Yu Lai

Reviewed recent suggestion: to have student resumes posted on the website and/or newsletter along with full time or intern jobs. Nicole- Webmaster agreed along with BOD to carry out trial starting this winter until May with Resume posting for soon to be graduates. Sarah Thorley of Akron Univ. should get into the loop.

Public Interest/Website/Advertising—Tony Dean

Tony reports we have SIX paying advertisers but would like to have others!! He reports he has updated Akron Section Page on SPE Intl Website. ACCESS would like to know if Akron Section –SPE would like to display Society Board Nov 2- contact David Schultz-Pres.

Website Improvement/utilization—Tony Dean/Nicole Brostowitz

Confirmed Jeff Hoffman Video on site in September.

Nicole notes as we move forward that we continue to need pictures at meetings. Please send to Nicole. Pictures now on Facebook- they feature our members so tag a way!

BOD noted the expansion and GREAT Thanks for Nicole's efforts here- thought would be good have new map vs old map of Section on web and newsletter- in planning stage. We now are able to make contact with members and potential members along with students- HS in those counties.

Newsletter—Tony Dean

Newsletter sent off - need info for November sent to Jenny.

Awards—Keith Pelfrey

Keith has confirmed that per Council Meeting –Intl Awards will keep format for one more year- Pinnacle being discussed for changes. Nicole has requested all supporting documentation for current Pinnacle- Budget and as well she and Keith will discuss Intl Awards status – needs for this year- Honored Service Members, Fellow nominations.

Education Committee—John Fellenstein

John reports he and Bob will update literature hard copy and website for new potential Scholarship candidates. John also has been confirmed as Ohio Educator to be oriented with the Plasti Van- Congratulations to John!! John will be checking with Cleveland as to current status of plans for PlastiVan.



Board Meeting Minutes – 10/2 continued

Education Foundation—Bob Wegelin

Currently foundation is in good shape. Bob informs he will forward request for expanded outreach in local area for High School contact information for help- AGPA and ACCESS.

Future TopCons—Vivian Malpass

Viv has confirmed that dates are set for TPE TOPCON 2018 on Sept. 18-20 and that dates as well have been set aside for TPE TOPCON 2020 Sept. 15-17. Bob Weiler reports Akron is as well set for Vinyltec 2019 dates to be confirmed.

Potential Speakers for Future Large Events

Noted that Speaker list has been utilized. Potentials as well include: Thogus President and CEO-Newlight Technologies-Robert Heerema- Calif.

Growth Committee—Kevin Malpass

Sahil Gupta in absence of Kevin Malpass-Chair/ New Councilor and Keith Pelfrey who has just agreed to join as well as Sherri Hart all agree that this Growth Committee going forward is very important. It was noted during discussions per Sahil that action should be set in motion and that contacts with his-Parker and other smaller local companies should be listed as high priority.

We would first to need to develop Marketing tools to support as Keith informed it is important to have a value proposition to provide to show OUR worth!!

David Schultz informed in past Reviewed 20 and 10 items- to forward to Keith and Sahil that were used with earlier attempts to promote similar growth. Joe Mattingly had previously noted “Network for Knowledge” could be key to our Future.

Old Business:

Request for Support – ATB Film Screening Event at Case Western Nov. 3 (See email below) – Tony Dean relayed our decision not to support

New Business:

ACCESS Teacher Grant request for Nov 2 Banquet

David Schultz- ACCESS Pres- Elect had suggested-early April that Akron Section this year provide two Teacher grants, as last year provided funds for one -need to Vote to approve-- BOD has confirmed by Vote approval to provide funds for two grants from SPE Akron – confirm that grants are plastic oriented, add to PR on website and review response on Grant Reflection Report.

ACCESS Engineers Week- David Schultz- ACCESS Pres-as well had requested support monies as in the past and has suggested that Akron Section do the same for upcoming year set for Feb 22, 2018 – Vote was taken approved by BOD , as well noted SPE in charge of E Week-Year 2023 and that we need volunteer to sit with Committee over next several years.

Passed commentary:

Marcos informs he has meeting with Univ of Akron- contacts on Oct 3 to review current status of displays at U of A- need to regroup and rework cases and add two working displays, Ipad.

Reviewed dates for remainder of BOD Meetings.

Potential review mentioned: Suggested that we do an update on Bylaws for Akron Section as well Education Foundation- Bob Wegelin to review.

Adjournment

Meeting was adjourned at 6:54 p.m. Next BOD Meeting November 6 at 5:30 p.m. at PECA.



October Highlights



October Highlights



Technical Assistance

SPE National

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



Please click the following areas
of interest:

[Who Can Help at National](#)

[Member Benefits](#)

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

[Join SPE](#)



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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

Membership Report - 2017

The Akron Section currently has 271 active members.

Month	Active	New + Renewal	Expired + Dropped
Jan	280	1+0 = 1	12
Feb	274	1+0 = 1	7
Mar	276	3+1 = 4	2
Apr	277	9+1 = 10	5+4=9
May	270	1+0 = 1	8+0=8
Jun	280	10+0 = 10	0
Jul	278	2+2 = 4	6
Aug	281	3+0 = 3	0
Sep	271	1+0 = 1	11



Programs for 2017 / 2018

- Sept. 11 **The Vinyl Institute**
PVC Overview and Applications,
Richard Krock
-- *Hilton Fairlawn – Akron **
- Oct. 9 **Lubrizol**
Plastic Resin Development - Plant Tour
-- *Brecksville – Cleveland **
- Nov. 13 **The Madison Group**
Prevent Failures by Understanding why
Plastic Parts Crack
-- *Hilton Inn Twinsburg – Cleveland **
- Dec. 4 **Holiday Celebration**
Madrigal Singers and Speaker
-- *The Galaxy, Wadsworth – Akron**
- Jan. 8 **Baerlocher USA**
Ed Hall
-- *Hilton Fairlawn – Joint ACCESS**

- Feb. 12 **Plastics in the Medical Field**
-- *Hilton Fairlawn – Cleveland **
- Mar. 12 **The Madison Group**
Avoiding Failure / Failure Analysis,
Jeffrey Jansen
-- *Hilton Fairlawn – Akron **
- Apr. 9 **Industry / Teacher Collaboration**
Plastics in Education, John Fellenstein
and Kevin Cavicchi
-- *Hilton Fairlawn – Akron**
- May 21 **Akron Section Awards Night**
Dr. Eric J. Amis
-- *Firestone Country Club – Akron*
- Meetings are joint with Cleveland
Section with host section denoted by **

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

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

**Contact anyone currently
on the board
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 interested in posting.**

Board Meeting Dates:

October 2
November 6
November 27
December - No meeting (Holiday party 12/4)
January 8 - Meeting before ACESS dinner
February 5
March 5
April 2
May 7

Akron Section Board of Directors

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

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Seaman Corp. nbrostowitz@seamancorp.com
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Website/Social Media

Dave Schultz 330-798-6535 T
Harwick Standard Dist. Corp. 330-798-9328 F
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Treasurer, House

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Councilor, Growth

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Amfine Chemical Corp. rweiler@amfine.com
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Retired kpelfrey@neo.rr.com
Prior Past President, Awards

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Director, Student Chapter SPE Liaison

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Director, Education Foundation

Tony Dean 330-929-9916 T
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Director, Advertising/Public Interest

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Goodyear Tire & Rubber Co. 330-896-7379 F
Director joe@mattingly.us

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Parker Hannifin Corp. 330-296-8433 F
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U Akron Polymer Engineering 330-972-2624 F
Director, Education jfellenstein@uakron.edu

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

Vivian Malpass 330-342-1120 T
Tek-Mark International 330-342-1134 F
Director, TopCon 2018 vivian.malpass@tek-mark.com

Jenny Digiantonio 330-806-6214 T
Retired 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 2017-18

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 2017 – Summer 2018. **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