

Polymer Valley News



The Newsletter of the Akron Section of the Society of Plastics Engineers
Our 63rd Year of Education and Service to the Plastics Industry

~ Next Session ~

Thursday, October 21, 2021
5:00 p.m.

Team NEO
Jay Foran, Sr. VP
with Paul Boulier



Additive Manufacturing Cluster
-- *Virtual*

See pages 3 and 4 for speaker biographies
and agenda

Meeting Information

All attendees – F R E E

Link information will be
provided via email in the
near future.

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President's Message

Greetings to all of our members,

The Akron Section held a successful in-person and virtual board meeting at the end of August utilizing the University Of Akron offices and Zoom tools. We will probably need to adapt our Technical session strategies based on the latest CDC and health-related protocols as the pandemic continues with different variants of Covid, so this session was a good example of our technical capabilities. We are continuing to set up our monthly Calendar of Events with existing opportunities for our members. Soon the Calendar of Events will be posted on our website, AkronSPE.org for all to see.



I want to invite our members to participate in our 2021-2022 SPE events, whether it's attending a meeting or participating by becoming part of our board of directors or to help guide the section activities. We are always looking for our members to become involved. We are working closely with the Cleveland Section of SPE to make sure those in our area have the best technical sessions available. Leadership in the northeast Ohio plastics community is a big part of any of our member's potential career.

Fall scholarship checks were sent out from the Akron SPE Education Foundation to our 2021-2022 scholarship winners, and we want to encourage them to do their best in their studies this fall. Soon applications will be available for the 2022-2023 scholarship year on our website. Supporting Education, in its many forms, is high on the list of our section's objectives. From Science Fairs and Essay contests for our children, to supporting the Plasti-van activities and scholarships for college students from our area interested in the plastics and related fields, we try to encourage the public education on plastics related issues.

We're also looking forward to working with the University of Akron SPE Student Chapter program and want to thank the leaders of their organization for being a vital part of our Akron section.

President, Akron Section

Joe Mattingly

330-208-6913

joe@mattingly.us

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Speaker – Jay Foran

Jay Foran
Senior Vice President

Jay helps businesses discover exciting growth opportunities in the Cleveland Plus region. He works with site selectors and corporate clients and helps them navigate through the regional economic development framework, partnering with local and state economic development groups.

Prior to joining Team NEO, Jay was Vice President, Business Development for The Lake West Group LLC, a management consulting firm. Jay also served in a variety of key leadership positions with Procter & Gamble during a lengthy and distinguished career where he was responsible for a variety of business building initiatives that have been emulated throughout the consumer products industry.



Jay was named as one of America's Top 50 Economic Developers by Consultant Connect in 2015 and he is an Executive Committee member of the Ohio Aerospace & Aviation Council. Additionally, Jay has an impressive record of leadership in enabling successful civic advocacy organizations, private and public campaigns, and assessments to support community sustainability. He currently sits on the Board of Trustees for Lakewood Hospital Foundation, and is a Lakewood Alive Founder, Officer and Board Member.

jforan@teamneo.org | 216-363-5407

Additive Manufacturing Cluster

-- *Virtual*

Agenda:

- | | |
|-----------|---|
| 5:00-5:15 | Introduction and presentation setup by Susan and/or others at SPE |
| 5:15-5:30 | Overview of Manufacturing Value Chain and Assets in NEO/Ohio and why it's important to grow |
| 5:30-5:45 | "Current State" of Additive Manufacturing; where it currently fits with "conventional" plastics manufacturing, and relevant use cases |
| 5:45-6:00 | Overview of Additive Manufacturing Cluster; objectives, partners, capabilities as a resource-"seeker/solver" concept and some success stories |
| 6:00-6:15 | Overview our current work in developing a Polymer Cluster; participants, current thinking, areas of focus, etc. |
| 6:15-6:30 | Quick Q&A, and solicitation for future ideas/areas of interest. |

Speaker – Paul Boulier



Paul serves as the Vice President for Industry and Innovation at Team NEO. He is responsible for developing and executing direct-to-company business growth and attraction for Team NEO in the region's core industries; including Energy, Oil & Gas, Metal Fabrication and Machinery; Polymers, Chemicals and Coatings, as well as Packaging and Transportation.

Team NEO is a privately-funded regional business attraction and growth organization. It is a nonprofit that markets Northeast Ohio to the world, attracts new businesses and helps those that are here grow. Team NEO is the Northeast Ohio regional partner for JobsOhio, a private, nonprofit corporation that drives economic development and job creation for the State, as well as working closely with economic development organizations across 18 counties.

Paul is also the CEO, for the past 10 years, of Advantage Growth Solutions LLC, a management consultancy focused on helping manufacturers growth-both organically and acquisitively. He provides commercial- and technically-focused insights to Fortune 1000 companies.

He also is the founder/CEO of Seauciel LLC, a startup driving to commercialize advanced technologies to create value-added materials from comingled plastics waste.

He has extensive experience in building and growing businesses from startups to multi-\$B corporations. He has been a solution provider to the plastics industry for over 40 years, working with OEMs, Fabricators and Converters, and raw material providers to drive results and innovation in the Packaging, Electrical & Electronics, Transportation, Industrial, and Medical markets. He has successfully led efforts in seven major acquisitions; creating strategy, scouting opportunities, executing deals, and creating teams for efficient integration.

Paul's previous experience includes senior executive roles in General Management, Marketing, Sales, Research & Development, Operations, and Organizational Design & Development, including: Chief Marketing Officer of A. Schulman (now LyondellBasell), a global thermoplastics compounder serving the packaging, transportation, consumer products, industrial and agricultural markets; Vice President of Marketing & Sales at Core Molding Technologies, a designer/molder of reinforced composite products for the transportation, electronics, industrial, automotive aftermarket and alternative energy markets. He has also held Executive Business Leadership roles at Avery Dennison, a manufacturer of high-performance adhesives and consumer products, and NOVA Chemicals, a global manufacturer of Styrenics polymers, polyethylene and petrochemicals.

Paul earned a MS in Plastics Engineering from UMASS Lowell and a BS in Chemistry from Worcester Polytechnic Institute (WPI). He has been awarded three patents, with one pending. He also completed advanced studies in Global Marketing and Business Strategy at University of Pittsburgh's Katz Graduate School. Paul actively volunteers and mentors entrepreneurs in business strategy/planning as well as contributing to venture groups through the Akron (OH) ARCHAngels, WPI Business School (MA), and Fusion Pointe, a Naples (FL) West Coast Venture Group.

Advertiser Index

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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.

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!

LOOKING FORWARD TO WELCOMING YOU BACK SOON!



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Programs for 2021 / 2022

- Oct. 21 **Team NEO – Jay Foran, Sr. VP**
Additive Manufacturing Cluster
-- *Virtual - Cleveland **
- Nov. 3-4 **AMI's Compounding World Expo**
Huntington Convention Center
Cleveland and Akron Sections will have a tabletop. PLEASE stop by and network with us!
-- *Cleveland **
- Nov. TBD **Half-day meeting**
Sustainability – Presenters and Panel Discussions with Berry Plastics, M Holland and Pure Cycle
-- *Virtual – Akron and Cleveland plus Injection Molding Div. **
- Dec. 13 **ENTEC**
Jim Johnson, Director, Commercial Plastics Technology

SPE National

Please click the following areas of interest:

[Contacts at National](#)

[Member Benefits](#)

[Join SPE](#)

[Akron Section](#)

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

We are working on more exciting events for 2022...and hope these will be in-person



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Membership Report - 2021

The Akron Section currently has 172 active members.

| <u>Month</u> | <u>Active</u> |
|--------------|---------------|
| Jan | 178 |
| Feb | 178 |
| Mar | 175 |
| Apr | 171 |
| May | 176 |
| Jun | 175 |
| Jul | 174 |
| Aug | 172 |
| Sep | |

We are always welcoming new members – invite someone to a meeting!

New Members

Hakan Aras, Student

Hamza Chattha, Student

Irlaine Machado

Thomas Maier, Monolith Materials




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Fellow Cleveland SPE Members,

Welcome to our 2021-2022 Season. Visit our website -(<http://www.specleveland.org>) to view our current events, meet your Board Members and learn about our educational activities and upcoming events.

We especially want to bring this event to your attention:

November 3-4

AMI's Compounding World Expo

Huntington Convention Center, Downtown Cleveland

Come join SPE exhibiting at AMI's Compounding World Expo, located in downtown Cleveland at the Huntington Convention Center. This expo takes place November 3- 4, 2021 alongside 3 other co-located expos: Plastics Extrusion World Expo, Plastics Recycling World Expo and Polymer Testing World as well as five conference theaters. Altogether, visitors will have access to 200+ exhibitors and 100+ speakers.

Registration to the entire show is free! Register here:

<https://registration.gesevent.com/survey/1w1duxyy0hsn6?actioncode=US1038>





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All your favorite places like Tech Talk and Industry Exchange are still available on SPE's new and improved platform! In its place, the new SPE Communities site is open now.

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Tech Talk

This is where professionals from around the world discuss the latest technical issues and innovations in range of marketplaces. Put the knowledge and expertise of thousands of plastics professionals to work for you. Ask a question. Or provide an answer. Click here.

For technical polymer questions please use the SPE International forum "Tech Talk"

For local questions please contact the officers at akronspe1@gmail.com

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Board Meeting Minutes – August 30, 2021

Call to Order: In person at University of Akron!! Meeting called to order at 5:30 PM

Present: Joe Mattingly, Larry Stanek, Gary Taylor, David Schultz, Keith Pelfrey, Steve Riley, Joshua Seylar, Dan Jones and John Fellenstein

Zoom connected: Bob Wegelin, Tony Dean, Sherri Makar Hart and Nicole Fraifogl

Absent: Sahil Gupta, Kevin Malpass and Bob Weiler

Minutes from Previous Meeting

Minutes were e-mailed and BOD approved for June 7 wrap up meeting.

President's Remarks

Welcome to a new year. Thank you all for your participation with ASPE BOD. We are ready to get started on a new year and at this point we do not know how, based on current extended COVID concerns, the year will play out- Virtual or IN PERSON. This past year with several zoom based meetings worked well with a capability to help develop a broader audience. We are now looking forward to having BOD meetings in person with Zoom option. We will work once again closely with Cleveland both Rik Keeley and Susan Montgomery.

In addition IMPORTANT ACTION ITEM- Search for SOCIAL MEDIA HELP!!- Joshua Seylar has tried via social media to make contact with U of Akron student James Garcher in Marketing via Linked IN who as well works in Polymer Science Dept. We anticipate with his help we can make sure SPE and it's activities and meetings are seen and thus bring added attendance to our meetings!!! We now have a presence on Linked In - thank you to Sherri Hart.

A special CONGRATULATIONS to Nicole who is now the mother of James Fraifogl Born July 6th.

Technical Program 2020/21—Larry Stanek, David Schultz

Thoughts for upcoming programs:

- We think that going forward it will be important to be flexible on all in person meetings and develop added logistics to help support Akron/Cleve Sections. We also can have a wider audience and perhaps attract new BOD members from different demographics. This as well may open up an opportunity to interact to a greater level.
- We are currently making contact with Rik Keeley and Susan Montgomery for their programming ideas for year 2021-22.
- BOD has been requested to review thoughts for upcoming 2021-22 year- planned in person by the Fall. We anticipate we could provide programming every other month. In addition to in person we could now easily offer a virtual option.

Subjects for potential future topics based on in person meetings vs Virtual - still to be considered

- September - Akron Larry thinks he can get Entek to provide Webinar later Sept date TBD
- October - Cleve Additive Manufacturing with Team NEO Speakers set date TBD
- November 3 and 4 Compounding Conf share table top
- November - Cleve date TBD Half day Meeting
- Sustainability with Speakers
- Dec???
- Jan Akron Joint ACCESS with ACS date TBD
- Feb- Cleve Professional Coach
- March - Akron Cyber Security Goodyear date TBD
- April Akron Lab Tours Univ of Akron polymers and engineering-Tentative

Board Meeting Minutes – 8/30 continued

Technical Program 2020/21—Larry Stanek, David Schultz *(continued)*

- May Awards potential subject Bio additives Keynote. The Key subjects to cover include: Sustainability, Cyber technology- Goodyear, Tim Dimoff potential speakers, Smart tires- Goodyear, “Green” based meeting.
- Additional ideas that have been suggested include:
- Kevin Malpass suggests a virtual meeting for early year. What SPE has to offer- Value.
- 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.
- Taking a virtual tour of University of Akron discussed and possible presenters.
- Group discussed benefits of having tours: even virtual tours may be possible high participation, lower cost for attendees, and profitable for section.
- 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.
- Hands-on – Engineering oriented meeting, involves students to greater extent and 3D Printing.
- Nicole noted a medical potential talk with Cleveland based 3D Heals.
- 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.

House—Gary Taylor

No report.

Membership—Kevin Malpass *(via email)*

Membership is still at around 172 members, a number of members lapsed during summer. Original Committee Keith Pelfrey, Sherri Hart and David Schultz had made contact at mid and end of year with a few contacts actually following up.

Treasurer—Gary Taylor

Gary reported he is up-to-date on financials, finalized review of Expenses through July 2021. Square online worked well for Feb/March/April Virtual meetings. Gary plans to file taxes with SPE in Sept.

Councilor—Dan Jones

Bob Weiler reminded that there is a new class of Section- Regional Interest Group. It was developed to a modified version of current Sections with less reporting and specific Intl. requirements. We anticipate that may help various areas in Ohio- Sandusky, Columbus and Cincinnati. Dan informs next Council Meeting set Virtual for Oct 1.

Student Chapter—Joshua Seylar

Josh informed that he will be transitioning out as he graduates Spring 2022. Steve Riley who attended meeting tonight is new PESO contact with ASPE. The rest of the BOD will meet soon and discuss activities. They are looking for possible tours - will have a Membership drive and would consider as we had discussed earlier helping develop a Tour at U of A- Polymer Science and Engineering.

Board Meeting Minutes – 8/30 continued

Public Interest/Website—Tony Dean

BOD will hope to review options in future to provide free advertising to companies that we tour.

- Tony reports he has a couple of new advertisers and couple others who have agreed they soon will move forward.
- Will continue efforts with potential sponsors including free advertising for companies that offer tours. We most recently received a request and have them aligned as a newly developed general Section Sponsor- Excellent thoughts as we align future.

Newsletter—Sherri Makar Hart

Sherri requests for Jenny any news items and as well to be able to develop a calendar of meetings- along with a letter to all Members of ASPE.

National Awards—Keith Pelfrey

Bob Weiler our most recent Honored Service Member - we should try to determine if we have others in ASPE to develop an application for this award. Joe Mattingly believes he will move forward at end of his President's term to develop supporting data and support information to Intl for year 2022-3.

Section Awards—Keith Pelfrey

Keith requests all BOD members try to identify candidates for Hall of Honor and Zekan Awards for this year.

It has been suggested that we make a list of long term 30 plus years down to 15 years in Akron Section for SPECIAL Recognition.

Education Committee—John Fellenstein

John reports he has received the following request from Stow HS- David Helmick

Any input from the board would be appreciated, thanks.

I have been approached by other industry contacts to potentially start a new program here at Stow that trains students to enter the workforce their senior year of high school. I am reaching out to all my contacts to see if they have contacts that would consider working with me to see if there are potential connections to make to establish a Pre-apprenticeship, co-op, or just job for these students. Time is of the essence for this as 9/10/21 is a deadline I have to meet.

•Potential Connections for a workforce alignment program with Stow High School

- A) Our new program (2022-2023) is looking to establish workforce connections to provide jobs, on-job training, or pre-apprenticeship opportunities to students during their senior year of high school. The program would allow the students to leave school during the school day to go to work and receive high school credit for doing so. Ideally the students are learning on the job that can hopefully lead to a career in that field or opportunities for them to work their way up.
- B) Considerations, some students may be 16-17 years old or may not turn 18yo until some point during their senior year.
- C) These students will still need 1 or 2 classes to take in the morning and they will be able to leave school to go to work. So starting times may fluctuate, and they do not have to start 9AM, it could be a later shift such as 3PM, etc. Keeping in mind Ohio labor laws for minors.
- D) Ideally some of these students could start work in the summer going into their senior year to establish routines.

Board Meeting Minutes – 8/30 continued

Education Committee—John Fellenstein *(continued)*

If the above conditions seem workable from an employer standpoint, please attempt to answer the following questions OR request a phone or face to face meeting and I will gladly arrange a time to meet to work out details. If you feel you can not employ student workers please kindly reply to let me know.

Questions

- 1) What job ready skills would you be looking for to accept potential student workers?
- 2) Are there any skills or trades your company offers as on the job training? If so please list the skills/trades taught.
- 3) If we have a student with transportation issues, is there any service you could provide to help them get to/from work? Or potentially work to sponsor a student to help them receive their drivers license?

Thank you for your time.

Again, David Helmick; st_dhelmick@smfcsd.org

Cell: 330-224-4078; please call/text/email if a meeting is requested.

John also met with Dr. James Eagan recently. He is working on a project with one of the student design teams, see below.

Zips Precious Plastic

“Engineers for a Sustainable World”

Using open source plans for plastics recycling machinery found at <https://preciousplastic.com/>

The student project paper can be found here:

https://ideaexchange.uakron.edu/cgi/viewcontent.cgi?article=2405&context=honors_research_projects

Dr. James Eagan at UA is working with the group.

He is looking to develop curriculum materials focused on plastics recycling in conjunction with the Zips Precious Plastic design team. One challenge is this group is made of students, and they keep graduating. *He is interested in collaborating with local professionals to move the project forward, and I offered to bring this up to the BOD. Would any board members be interested in helping to organize recycling outreach activities at UA?*

Education Foundation—David Schultz/Joe Mattingly

Joe reported that all continues with re-group of the portfolio to go very well as market continues to grow. May, however consider some changes for late year in 2022. David reviewed that at the most recent Education Foundation meeting that we discussed a potential donation of ASPE to aid in helping the fund as well as the start for funding of a new Named Scholarship for Akron Section member- Robert Wegelin. Request was mad for 5K donation , discussion took place vote was taken – passed. Donation of %K will be made to Education Foundation.

Bylaws still under review.

Growth Committee—Kevin Malpass

IMPORTANT. Kevin reports he feels that he would now like to align with Membership Committee in tandem to discuss future for ASPE. Separate Zoom to be set up to discuss future objectives. Kevin has requested ASPE BOD members think of some ways to grow our Membership. Thoughts include: Suggested ASPE Zoom meeting Intl SPE Value. We may be able to utilize older detail Top 20/20 brochure from past with a rework to include Top 10 reasons to join SPE- Akron for Awards Banquet and as well include Application potential to join Akron Section. In addition we also talked about contacting national to see what help and or advice that we can get regarding how to offer and how to handle the possibility of running a virtual event for attendees that cannot make it to a live event.

Board Meeting Minutes – 8/30 continued

2022 TPE TOPCON—David Schultz

Akron set to host TPE TOPCON for September 2022 - hope onsite vs virtual.

Contact- TPE SIG- Brad Guilianni- Otis Elevator.

In addition it has been suggested to confirm timing for Akron to help and host Vinyltec in the future.

ACCESS Update

A request was made this year to fund one Teacher Grant- a very worthy project was reviewed by Dan Jones- Delegate ACCESS for SPE from a local HS-discussed request made and voted to provide one \$500.00 Teacher Grant.

ACCESS BOD is still on Virtual Zoom format plans to join in SPE Virtual set-up for 2021 and into 2022. The November Banquet is being discussed currently. In addition ACCESS has moved forward and developed plans of projects with Soap Box Derby as well in process with NEO Bio Med in Rootstown. No to limited societies are yet planning meetings. Picnic in person took place August.

ACS- will aid SPE this year to host Joint ACCESS Meeting in January- Zhenan Bao – Stanford University will discuss Robot skins

Old Business

None to report.

New Business

Joe reports that Everton Callum- Goodyear may attend an upcoming BOD meeting.

Interest in future in hosting a Podcast.

GOOD to Know- I most recently made contact via Linked IN with a CSU student in Marketing- Molly Bregar, who in turn showed interest to help Cleveland Section on Social media side. She has a good friend at Univ of Akron- who as well is Marketing and has interest in polymers- works part time in Polymer Science Dept. We are hoping to align them both in Akron and Cleveland to aid in a new Social Media push! I have recently found out Molly Bregar is Bill Bregar's daughter. Bill recently passed away and was a great friend to Akron Section over the past many years as he attended many meetings and reported on them in Plastics News.

Honor Bill's 31 years at Plastics News\$31

Make a gift to support aspiring journalists in plastics and manufacturing.

Meeting Adjourned 7 PM

Next BOD meeting Oct 4 At PEAC and Virtual Zoom

Hoping Tony Dean will host

Akron Section Past Presidents

*62 years of
excellence*

| | | | |
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| 1962-1963 | Dickson L. Stoker, III | 1993-1994 | Anthony F. Dean, Jr. |
| 1963-1964 | Edward L. Hillier | 1994-1995 | Wayne Decamp |
| 1964-1965 | John R. Russell | 1995-1996 | Melanie Stewart |
| 1965-1966 | John R. Russell | 1996-1997 | Kevin Hershfield |
| 1966-1967 | Clyde H. Jones | 1997-1998 | David Schultz |
| 1967-1968 | Alan Corry, Jr. | 1998-1999 | John Raab |
| 1968-1969 | Bernard M. Saffian | 1999-2000 | Gary Taylor |
| 1969-1970 | Harold R. Schick | 2000-2001 | Kevin Malpass |
| 1970-1971 | Robert G. Hills | 2001-2002 | Kenneth L. Sharp |
| 1971-1972 | John J. Satterfield | 2002-2003 | Joseph E. Pfeiffer |
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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.
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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 held in May each year.

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



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