

Polymer Valley News



The Newsletter of the Akron Section of the Society of Plastics Engineers
Our 64th Year of Education and Service to the Plastics Industry

~ Next Sessions ~

Wednesday, May 11, 2022
5:30 – 6:30 p.m.

Virtual Event

See page 2 for information

Attendance is Free

To Register and Receive a meeting link, click here to send your contact information to: SPEcleComm@gmail.com

Monday, May 16, 2022
5:30 p.m.

Akron Awards Night

See page 3 for information

Meeting Information – May 16

Member and/or guest	\$30
Retired	\$25
Student	\$10

Social / Networking / Bar	5:30 p.m.
Program	5:45 p.m.
Dinner	Following Keynote
<i>Pasta buffet with meatballs and chicken</i>	

Reservations must be in by noon on Fri., May 6 and can be made to Bob Weiler at 330-283-9024 or akronspe1@gmail.com
Be sure to include your company affiliation and dietary restrictions.

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“Grey is the New Green: How to be Comfortable with Ambiguity”

Presenter: Conor Carlin

Wednesday, May 11, 2022: 5:30-6:30PM EST

Virtual Event Sponsored by the Cleveland and Akron SPE Sections

Though many in the plastics industry are familiar with the overwhelming benefits that polymeric materials provide, the public has become highly skeptical. And rightly so – when you see clogged rivers and dead fish, what are people supposed to think? Let's rethink plastics among ourselves for a moment, at least in terms of how the public views it. By acknowledging the paradoxical nature of plastics' efficiency, we can perhaps take a more holistic approach to design that utilizes the full value of a material's properties while considering end-of-life implications. The nuances and complexities of modern plastics ensure that there are no easy answers. And though we have to make difficult choices, we cannot let the perfect be the enemy of the good.



Conor Carlin is the first VP of Sustainability for SPE, elected to the Executive board in 2017 and again in 2020. A member of SPE since 2000, he serves as editor for SPE Thermoforming and Recycling Division publications. Carlin has contributed articles on plastics and sustainability for international industry press in the US, Europe, and Asia. He is the co-author and editor of the 2nd edition of “Plastics & Sustainability: Grey is the New Green” published by Scrivener/Wiley.

Carlin is also Managing Director of ILLIG North America, subsidiary of ILLIG Maschinenbau GmbH & Co., a Germany-based designer and manufacturer of thermoforming, tooling, and packaging systems.

Carlin has degrees from Boston University (BA, International Relations / French) and the FW Olin Graduate School of Business at Babson College (MBA).

***To Register and Receive a meeting link,
Send your contact information to :***

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ATTENDANCE IS FREE



Coming Up ... May 16 Akron Awards Night

Raintree Golf and Event Center

4350 Mayfair Road, Uniontown, OH 44685

5:30 Welcome and Introduction - Presented by Joe Mattingly,
President, Akron Section SPE

5:45 Keynote Speaker

Dr. Bob Woloszynek - Chief Engineer, Global
Material Development at Goodyear Tire and Rubber
Keynote: Goodyear Soybean Oil Technology:
Performance and Sustainability Driving Demand for
Biobased Products

Abstract: Over the past decade, Goodyear has been investigating soybean oil as a replacement for petroleum-based oils in its tire products. Our development efforts have resulted in multiple novel polymer and compound technologies in which petroleum-based oils have been replaced with soybean oil to provide performance benefits. Since 2017, Goodyear has launched four consumer tire products containing soybean oil, and recent developments have focused on expanding the technology to heavy tire applications. Goodyear has made a long-term goal of fully replacing petroleum-based oils in its products by 2040 as part of its sustainability initiatives. Recently, Goodyear also announced a demonstration tire containing 70% sustainable materials by weight, demonstrating progress toward reaching its stated “bold goal” of developing a tire made with 100% sustainable materials by 2030.

Following our Keynote Speaker:

- SPE Medal of Honor For Lifetime Service Award - Presented by Joe Mattingly
- SPE William C. Zekan Awards - Presented by Joe Mattingly
- Special Merit and Named Scholarships - Presented by John Fellenstein
- Special Thanks and Final Wrap-up - Presented by Joe Mattingly



Bob Woloszynek joined Goodyear in 2007 as a Senior Research Chemist in the Polymer Technology Group. He spent the early years of his career developing 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 Goodyear products.

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. Since 2018, he has served in multiple Chief Engineer roles, leading teams of scientists and engineers tasked with developing new material technologies to support Goodyear product developments.

Bob 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.

President's Message

Hello fellow SPE enthusiasts,

The Akron Section of the Society of Plastics Engineers held a superb technical tour at The University of Akron (UA) Biomimicry Research and Innovation Center (BRIC) on April 11th. It was a set of fantastic lab tours, and I want to thank all of the professors and students and board members for their support in making the event successful.



May ushers in our annual Awards Banquet; which is also the Akron section's last technical meeting of the season. Please join us at Raintree Golf and Event Center, 4350 Mayfair Road, Uniontown, OH 44685. Our keynote speaker is Dr. Bob Woloszynek - Chief Engineer, Global Material Development at Goodyear Tire and Rubber. The keynote address will be "Goodyear Soybean Oil Technology: Performance and Sustainability Driving Demand for Bio-based Products". In addition, we will be announcing this year's student scholarship winners and unique SPE Medal of Honor Special Lifetime Service awards for some of our most distinguished Akron Section SPE contributors.

While we are closing down the 2022 general meetings, we are also diligently preparing for the 2022-2023 season. We are currently preparing for a TPE Topcon in the fall and are looking forward to another great string of technical meetings for our membership.

I hope to see you there in May!

President, Akron Section

Joe Mattingly

330-208-6913

joe@mattingly.us

SPE National

Please click the following areas of interest:

[Contacts at National](#)

[Member Benefits](#)

[Join SPE](#)

[Akron Section](#)

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!

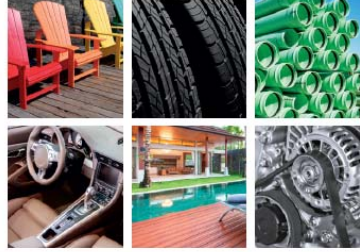


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Board Meeting Dates:

January 3, 2022

February 7, 2022

March 7, 2022

April 4, 2022

May 2, 2022



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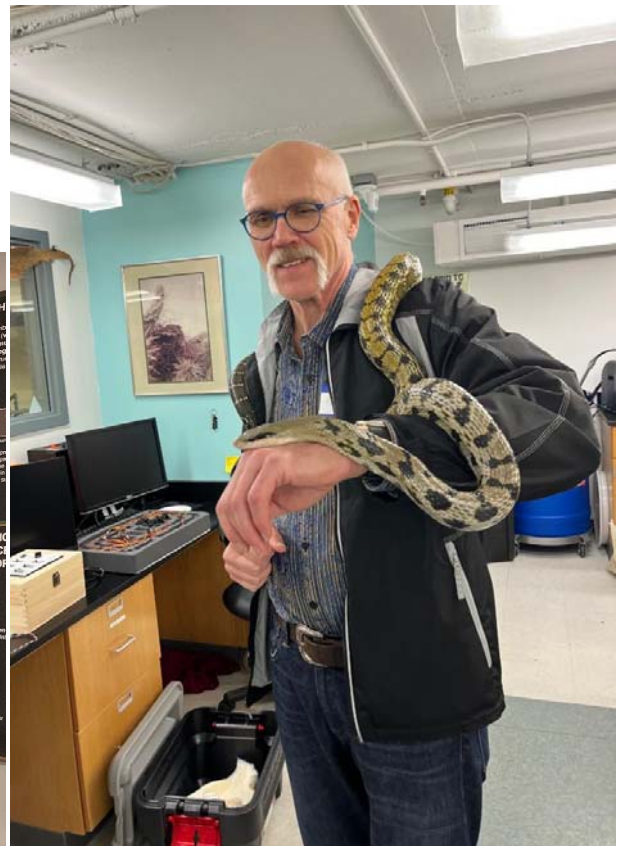
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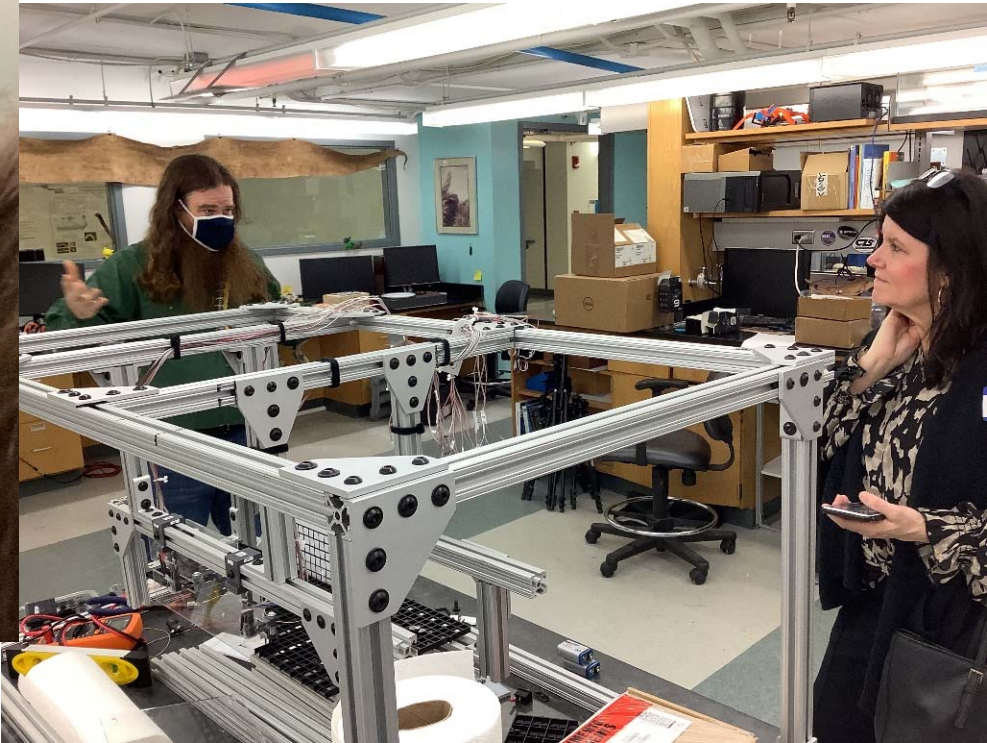
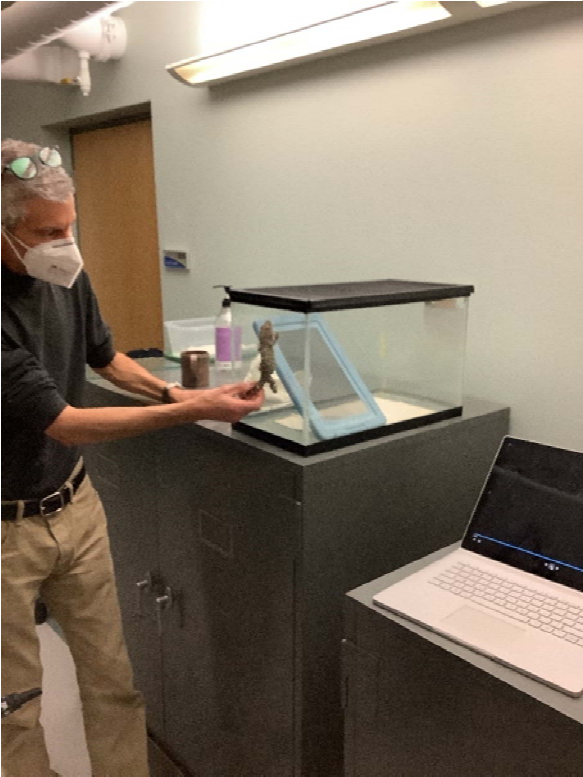
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April 11 Bio Mimicry Tour




April 11 Bio Mimicry Tour



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 **
- Dec. 13 **ENTEC**
Jim Johnson, Director, Commercial Plastics Technology
Webinar
-- *Virtual - Akron **
- Jan. 20 **ACCESS – Technical, Tactile Skin for Robots, Prof Zhenan Bao**
7-9 pm
-- *Educational Service Center, Cuyahoga Falls - Akron **
- Feb. 16 **Virtual Plant Tour – IC3D Recycled Plastics 3D Printed, Michael Cao and Luke Debruin**
-- *Virtual – Akron and Cleveland **
- Feb. 24 **Sustainability Rocks, Part One**
9-11 am
Three Speakers
-- *Virtual - Cleveland **
- Mar. 14 **Cyber Security – Todd Riley, Goodyear**
-- *Hilton Inn Fairlawn - Akron **
- Apr. 11 **Univ. of Akron Laboratory Tour Biomimicry**
Dr. Dhinojwala
-- *U of A - Akron **
- May 11 **Sustainability**
Conor Carlin, SPE
-- *Virtual - Cleveland **
- May 16 **Akron Section Awards Night**
Keynote - Bio Additives
Bob Woloszynek, Goodyear
-- *Raintree Country Club – Akron **

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WELCOMING YOU
BACK SOON!



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Membership Report

The Akron Section currently has 187 active members.

Expired - 24, Active – 163

<u>Month</u>	<u>Active</u>
Jan	187
Feb	187
Mar	--
Apr	--
May	
Jun	
Jul	
Aug	
Sep	
Oct	
Nov	
Dec	

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

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AKRON

The Chain has moved – it's now SPE Communities

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.

Communities are an ideal way to stay connected with your peers to collaborate, share advice, find solutions and build relationships. Participants can interact with other members, subscribe to posts, see who else is online, receive discussion notifications, connect directly to each other via direct messaging and more. All new discussions should be posted in the new location, old discussions will not be brought over. Get in on the discussions or start a conversation –

[Check it out today!](#)

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

Student Chapter

The University of Akron Student Chapter recently hosted Dr. Carson Meredith from Georgia Tech to give a talk about renewable carbohydrate-based coatings and their barrier properties. Students and faculty had the chance to speak with him about the applicability and effectiveness of renewable coatings as well as general renewable materials as industry is more inclined to look into recyclability in materials.



Board Meeting Minutes – April 4, 2022

Call to Order: In person at University of Akron!! Meeting called to order at 5:32 PM

Present: Joe Mattingly, John Fellenstein, David Schultz, Kathy Perevosnik, Dan Jones, Larry Stanek and Stephen Riley

Zoom connected: Sherri Makar Hart, Bob Wegelin, Keith Pelfrey, Nicole Fraifogl and Joshua Seylar

Absent: Robert Weiler, Tony Dean, Sahil Gupta, Kevin Malpass and Anna Akkus

Minutes from Previous Meeting

Minutes from March 8 were reviewed and approved.

Technical Program 2021/22—Larry Stanek / David Schultz

- Akron-March 14 meeting was held at Hilton in person with a limited number of attendees as we branch back out in person. Speaker Todd Riley from Goodyear on Cybersecurity. It was fascinating yet quite scary to hear what is going on the corporate as well as personal world in cyberspace.

- Akron- April 11 meeting is set for tour of Univ of Akron. Polymer Engineering Laboratories- Biomimicry Labs tour- John has communicated with most of the sponsoring professors to date.

-Cleveland—May 11 Topic is Virtual Sustainability – Conor Carlin

- Akron-only May 16 meeting will be Awards Night at Raintree Country Club Speaker Bob Woloszynek
Title: Goodyear Soybean Oil Technology: Performance and Sustainability Driving Demand for Biobased Products
Need ideas for next year for Akron- Program- David Schultz, Larry Stanek and Sherri Hart as Susan Montgomery reports she has plans to be Program Chair again.

Treasurer—Bob Weiler

Bob submitted report. Joe reviewed informs that we are good standing at bank. Paid for recently purchased banners and pull up displays for Akron and Cleve.

In addition expenses for computer, video projector and screen- plus will be extra set of cords and mouse expense as well. Once again thank you Kathy.

Bob reports he has opened a new Square account so we can take credit card payments at our Section meetings (linked to akronspe1@gmail.com).

House—Bob Weiler

April 11 – University of Akron, Goodyear Rm 304 - Reservations can be made on our akronspe1@gmail.com. Kathy reports we are set with 30-35 attendees and students planned early April. Lab tour 5:30 pm followed by the buffet \$30.00 /person and maybe \$10.00 for students, expect high number of students Kathy to help reservation

May 11 – Cleveland- Virtual - Conor Carlin- Sustainability- “Grey is the New Green: How to be comfortable with the Ambiguity”

May 16 – Awards Meeting - Raintree Golf and Event Center, Uniontown - We confirmed 2 item buffet for our awards dinner, dessert is not included. We can bring a cake and they will serve it at no charge. Bob confirmed meeting price \$30, Retirees- \$25 and Students \$10

Bob informs he is set with Hilton- TPE TOPCON Conf. set for Sept.

Technology Update—Kathy Perevosnik

Thanks goes to Kathy for handling the purchase of a new laptop, projector and screen. **ZoneAlarm / other virus protection for the laptop. May have need to purchase another protection system.**

Kathy created akronspeboard@gmail.com and password on the laptop (for Microsoft 365 and the laptop itself).

Working with team to create inventory of Board-owned property and current location.

Board Meeting Minutes – 4/4 continued

Membership—Kevin Malpass

Active members: February 187, await update.

Growth Committee—Kevin Malpass

Kevin thanks ASPE BOD for ideas that will help Akron Section prosper. Kevin has developed a list and will provide action items to grow membership. In addition need to make contact with local companies. BOD has re-engaged with new members and ideas are flowing for changes and modifications.

Councilor—Dan Jones

Informed there was a Virtual Council Meeting. Takeaways include profitable year SPE- Intl -virtual events and investments, Plastics News now handled in house, plan to provide Emeritus status for membership for Fellows and Honored Service Members

Student Chapter—Stephen Riley

Stephen Riley reported that The Student chapter/ PESO has aligned a Spring /Winter gathering set for April 15 at 2 PM ASPE has offered to help support their Gathering- and voted on support and will handle Parking permit at U of Akron for 5-6 ASPE BOD members.

Advertising—Tony Dean

Tony reported up-to-date on PR for next meetings.

We now have 10 paid advertisers. Bob Weiler's name and address on Insertion Order

Public Interest/Website—Tony Dean

Membership Booth needs update. Board approved cost. Kathy has agreed to handle and reviewed planned updates needed.

Larger Pull up banner – need to develop.

Tony to develop protocol on passing of ASPE members.

Newsletter—Sherri Makar Hart

Sherri requests for Jenny any news items as well as meeting information. Jenny, Kathy and Sherri are all helping to promote events as well- Linked IN.

National Awards—Keith Pelfrey

We should try to determine if we have others in ASPE for Honored Service Member for near future.

Section Awards—Keith Pelfrey

Set on candidates for Hall of Honor and Zekan for this year. We are set and aligned thank you to the BOD and Dan Jones- Keith Pelfrey honoring current members for their LIFETIME SERVICE AWARD and determined basic criteria to distinguish from Zekan Award. Zekan less than 10 years and very active years and Lifetime noted as approximately 20 years plus dedication. Keith informs Awards- plaques, designs are complete and ordered.

Speaker is set, John Fellenstein to provide student list for scholarships and essay winners.

Keith will confirm final Power Point, Jenny will handle Brochures anticipate 35-40 attendees.

Board Meeting Minutes – 4/4 continued

Education Committee—John Fellenstein

John informs that we have 3 new candidates for scholarship.

The WRD5 and District 13 combined with APS Fair took place and was Virtual again this year. Past BOD we reviewed passed donations to the Science Fair and BOD voted and approved Donation to WRD5 Science Day – special award for Polymers project(s). The donation amount was reviewed again and it was determined after talking with key U of Akron contact that it would be easiest to just make this current donation available to be used as a donation at in person WRD5 2023. Vote was taken by BOD- and passed.

Education Foundation—David Schultz/Joe Mattingly

Joe reported after recent review the funds are holding amidst ups and downs currently in the market. The modifications we recently made along with added diversification has been a tremendous help.

2022 TPE TOPCON—David Schultz

Akron set to host TPE TOPCON for September 20-22, 2022 - planned onsite at this point – NO virtual option. Next Committee meeting set for April 20 - Zoom and in person at Hilton. It was determined that since we – ASPE section are handling these types of Conference on a regular basis we need to get added members and diversified support. D Schultz Plan to develop list of roles and advertise for added support- Newsletter.

ACCESS Update

Need a Treasurer- potential new delegate for ACCESS.

Old Business

Need to search for and develop new Board Members.

New Business

VinylTec 2022- Chicago Section-(Bob Weiler) - Vinyl Div would like to first cross advertise with ASPE for their VinylTec 2022 and our TPE TopCon 2022. BOD reviewed great idea- Bob will inform Jenny.

Vinyl Div would like to confirm Akron Section interest in hosting VinylTec 2023. BOD reviewed and agreed it is a project/Conference we would like to host, Bob will inform Vinyl Div and confirm to ASPE.

We had discussed the new Polymer Cluster during past meeting and Akron Chamber involvement- they are not ready to speak out to societies working on many details. Kathy to keep in touch for any updates.

We decided we should align Documentation of files in Polymer Science Building- Kathy to aid in documentation and Tony Dean and John Fellenstein to review files.

Setting BOD for next year - Joe Mattingly informed he would handle President another year and Kathy Perevosnik informed she would be VP- for the remainder of this year and next year handling various duties and aiding in the Program – currently handled by Team- Larry Stanek, Sherri Hart and David Schultz with great help from Susan Montgomery- Cleveland, Secretary- David Schultz, Treasurer- Bob Weiler

Meeting Adjourned at 6:45 PM. Next BOD meeting 5:30 PM May 2 at PEAC and Virtual - Teams hosted by Joe.

I will need to have BOD minutes taken as I will be enroute from travel to Ohio.



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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
1972-1973	Alexis M. Gross	2003-2004	Robert C. Wegelin
1973-1974	Francis J. Maurer	2004-2005	Joseph Mattingly
1974-1975	Leverett A. Anderson, Jr.	2005-2006	Lloyd A. Goettler
1975-1976	Robert M. Hershey	2006-2007	John Woodside
1976-1977	Richard L. Fleshman	2007-2008	Vivian Malpass
1977-1978	David Curtis	2008-2009	Joseph Mattingly
1978-1979	John A. Zelek, Jr.	2009-2010	David A. Katz
1979-1980	Gerald W. Whitnable	2010-2011	Lloyd A. Goettler
1980-1981	Kathleen N. Bechter	2011-2012	David Schultz
1981-1982	Victor E. Giuffrida	2012-2013	Kevin Malpass
1982-1983	James Steiner	2013-2014	Dan Jones
1983-1984	Robert G. Hills	2014-2015	Vivian Malpass
1984-1985	Anthony F. Dean, Jr.	2015-2016	Keith Pelfrey
1985-1986	Gene Buser	2016-2017	Robert Weiler
1986-1987	Harry J. Barth	2017-2018	Tom McQuaide
1987-1988	Judith A. Fallon	2018-2019	Nicole Fraifogl
1988-1989	William E. Tosko	2019-2020	Larry Stanek
1989-1990	Robert C. Wegelin	2020-2021	Larry Stanek
		2021-2022	Joseph Mattingly

Akron Section Board of Directors

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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.
- 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 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



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

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Insertion Order 2022-23

Polymer Valley News: Akron Section SPE Newsletter - <http://www.akronspe.org>

This is the 63rd year of the Akron SPE Section and rates are for entire season, September 2022 – Summer 2023. **Payable in Advance. Please let me know if you need an invoice.**

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