The Newsletter of the Akron Section of the Society of Plastics Engineers
Our 65th Year of Education and Service to the Plastics Industry

~ Next Session ~

Akron Awards Night

Monday, May 22, 2023
5:30 p.m.

Raintree Golf and Event Center
4350 Mayfair Road
Uniontown, OH 44685

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

Meeting Information

<table>
<thead>
<tr>
<th>Category</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member and/or guest</td>
<td>$30</td>
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<tr>
<td>Retired</td>
<td>$25</td>
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<tr>
<td>Student</td>
<td>$10</td>
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<tr>
<td>Honoree/ Scholarship plus one guest</td>
<td>No charge</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Event</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gathering</td>
<td>5:30 p.m.</td>
</tr>
<tr>
<td>Dinner</td>
<td>6:00 p.m.</td>
</tr>
<tr>
<td>Program</td>
<td>7:00 p.m.</td>
</tr>
</tbody>
</table>

Reservations by May 12.
Reserve and/or pre-pay – https://www.acessinc.org/event/spe-awards-night
Be sure to include your company affiliation and dietary restrictions.

Newsletter Contents

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meeting info and registration</td>
<td>1</td>
</tr>
<tr>
<td>Speaker information</td>
<td>2</td>
</tr>
<tr>
<td>President’s Message</td>
<td>3</td>
</tr>
<tr>
<td>SPE National links of interest</td>
<td>3</td>
</tr>
<tr>
<td>Advertiser index</td>
<td>4</td>
</tr>
<tr>
<td>Join the Board</td>
<td>4</td>
</tr>
<tr>
<td>TOPCON sponsors</td>
<td>4</td>
</tr>
<tr>
<td>Poster session pictures</td>
<td>6</td>
</tr>
<tr>
<td>Science Day and ACESS pictures</td>
<td>7</td>
</tr>
<tr>
<td>Job postings</td>
<td>8</td>
</tr>
<tr>
<td>TOPCON Gold – Kuraray America</td>
<td>9</td>
</tr>
<tr>
<td>Programs for season</td>
<td>11</td>
</tr>
<tr>
<td>SPE Communities - The Chain</td>
<td>12</td>
</tr>
<tr>
<td>Polymer Processing Workshop</td>
<td>14</td>
</tr>
<tr>
<td>Board Meeting Minutes</td>
<td>16</td>
</tr>
<tr>
<td>Akron SPE Past Presidents</td>
<td>19</td>
</tr>
<tr>
<td>Akron Section Board Members</td>
<td>20</td>
</tr>
<tr>
<td>SPE Education Foundation</td>
<td>21</td>
</tr>
<tr>
<td>Advertising order form</td>
<td>22</td>
</tr>
</tbody>
</table>
Abstract: Polymerization of high energy fossil fuel carbon feedstocks has underpinned the advances in polymer science and polymer engineering for the last century. These synthetic materials have unparalleled performance and tunable function. However, the limited supply of fossil fuels, excessive generation of durable plastic waste, and rising emissions complicate the long-term sustainability of the polymer industry. In our work, we seek to utilize carbon dioxide (CO₂) as a carbon feedstock for high performance advanced material applications. Specifically, we have developed systems suitable for applications in lightweight fiber reinforced composites, reprocessable thermosets, chemically recyclable elastomers, and degradable plastics. In this talk we will describe the underpinning chemistry that enables these sustainable materials and our attempts to scale their production. Additionally, the properties and their comparison to traditional technologies will be provided along with a critique of new material adoption.

James M. Eagan is an assistant professor at the University of Akron School of Polymer Science and Polymer Engineering. He received his Ph.D. from Columbia University in 2014 under the guidance of Scott A. Snyder and completed postdoctoral studies at Cornell University under Geoffrey W. Coates. He is the recipient of the AAAS Newcomb Cleveland Prize, NSF Faculty Early Career Development award, LG Global Innovation Challenge Award, and the ACS Petroleum Research Foundation (PRF) New Investigator Grant. He serves on the advisory boards of Ascribe Bioscience, Seauciel LLC., and ACS Applied Polymer Materials.
Hello fellow SPE members,

The Akron Section of the Society of Plastics Engineers hosted a Student Poster session at the University of Akron. Members of both the Akron and Cleveland sections were present and an award was given for best poster, see page 6.

May 22 is our Annual Awards Banquet at Raintree Country Club, which is our final event of the year. We have a great speaker in Dr. James M. Eagan - Assistant Professor The University of Akron School of Polymer Science and Polymer Engineering, who is speaking on the topic - From Thin Air: The Synthesis of Lightweight Composites from Carbon Dioxide. See page 1 to sign up for this great opportunity to network with your SPE community. We will also be presenting scholarship awards to several deserving students, as well as recognizing several individuals with achievement awards for their service to the Akron Section and the plastics industry. This will be a great networking opportunity for all students, guests and SPE members.

We are always looking for additional volunteers to join our Akron SPE Board. We, as a board, have continued to bring exciting technical events and engagements for many years. We invite you to join us in exploring the many opportunities to bring an excellent program to our members. As a member of the board, you can influence the types of meetings and subjects that are brought to our section's attention. We are currently looking for a volunteer to help the board with our "House" position, and for the position of Treasurer for next year. I look forward to seeing you soon at one of our events.

I also want to thank our current board members for their outstanding service to SPE and the plastics industry, and their hard work in preparing our local technical events, TPE TOPCON, and joint sessions with the Cleveland section throughout the 2022-2023 season.

Best regards,

Joe Mattingly

President, Akron Section
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!

Thank you to these TPE TOPCON Sponsors

Advertiser Index

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David Industrial Sales 8
Dover Chemical 10
Harwick Standard 10
Hilton Inn 11
Kuraray – TopCon Gold Sponsor 9
Performance Additives 13
Struktol 12
TSRC 8

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Leyao Wu, Ph.D. candidate in Dr. Jana’s group in the Polymer Engineering department, is the tech session poster board winner. He won a $25 Amazon gift card. His poster was titled: Crystallinity of recycled PET fibers by chemical and mechanical reprocessing.
The SPE Akron Section awarded three $50 prizes to the following projects at the Western Reserve District 5 Science Day on March 18.


2. Surface Engineering of Bioplastics, Micael Zhu - Grade 9, The University School - College Prep, Cuyahoga County

3. Novel Radical Copolymerization of CO2: Addressing Polymerization Challenges and Climate, Darelle Thornton - Grade 11, Firestone CLC, Summit County

ACESS event that took place March 30 that involved STEM outreach of our societies to 80 Akron Public School 5-7th graders and their teachers!

Carin Helfer Joe Mattingly and David Schultz manned the plastics booth.
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.

For current postings, visit http://www.akronspe.org/job-posting

Open position: Polymer Testing Manager – Job ID # 13974

https://www.linkedin.com/jobs/view/3440849412/?alternateChannel=search&refId=KCNYvVQ4cweKJT5YL3Yr0A%3D%3D&trackingId=mN730SEj9gwBYkAy6b1N8q%3D%3D

Position Summary: Promote, manage and execute the School of Polymer Science and Polymer Engineering's contract testing projects including outreach for clients, quotation of projects, test execution and reporting.

Required Qualifications: Requires a relevant Bachelor's Degree and a minimum of 2 years of experience in analytical services and a minimum of 2 years experience working in the Polymer Science field performing management and accounting functions. Strong communication skills and proper knowledge of related scientific instrumentation required. Ability to perform research and prepare and disseminate information to clients required.

Formal application to be done through the following link: https://www.uakron.edu/hr/job-openings/openings.dot
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  - Doverphos® S-682
Flame Retardants:
  - Hordaflam and Paroil®
Secondary Plasticizers:
  - Doverguard E-35

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MEMORIAL DAY
Honoring our fallen heroes
Programs for 2022/23

Sep. 20-22 15th TopCon -- Hilton Inn Fairlawn - Akron *

Oct. 13 Sustainability Rocks, Part 2
Helping Molders Tune In to the Circular Economy – 8am to 6pm
-- Corp. College East - Cleveland *

Nov. 9-10 Compounding Conference
-- Huntington Center - Cleveland *

Nov. 21 DODE, Dan Gisser
Galaxy Restaurant -- Akron *

Dec. No meeting
-- Akron *

Jan. 10 ACESS – Polymer Consortium Update
Brian Anderson, VP Research
Greater Akron Chamber
R.Shea Brewery -- Akron *

Jan. 23 M. Holland
Debbie Prenatt
-- Virtual – Akron and Cleveland *

Feb. 28 Sustainability, Madison Group
Melissa Kurtz, Managing Engineer
-- Virtual - Cleveland *

Mar. 20 Magnet Headquarters - Tour
-- Cleveland *

Apr. 10 University of Akron Poster Presentations
Student Led by PESO
-- Cleveland *

May 22 Akron Section Awards Night
Raintree Country Club -- Akron *

Meetings are joint with Cleveland Section with host section denoted by *
SPE Communities, formerly The Chain, is where industry professionals can participate in peer-to-peer conversations and engage in technical and non-technical discussions. Communities participants can subscribe to posts, see who else is online, receive discussion notifications, connect directly to each other via direct messaging and more. Communities are an ideal way to stay connected with your peers to collaborate, share advice, find solutions, and build relationships.

For technical polymer questions please use the SPE International forum “Tech Talk”
For local questions please contact the officers at akronspe1@gmail.com

Tech Talk

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This is a great opportunity to network with industry experts, enhance your knowledge about processing and analytical techniques while learning about interesting, new applications.

**Case Western Reserve University**

Pyatt Science Center – Millis 220A, 220B, 222

2080 Adelbert Road, Cleveland, OH

June 7, 2023  |  9:00 AM to 4:30 PM
Agenda:
8:50 AM – Welcome
9:00 AM – Polymer extrusion and processing optimization techniques
9:45 AM – Selecting the correct sampling technique for your FT-IR and Raman applications
10:30 AM – Break
10:45 AM – SEM measurement techniques for polymer materials
11:30 AM – Mass Spec for polymer science: techniques and considerations
12:15 PM – Complementary Lunch
1:30 PM – Live demonstrations
   Extrusion – Kent Hale Smith
   IR, Raman – Millis
   SEM – SCSAM
4:30 PM – Adjourn

Space is limited so let us know you are coming! Reply “YES” in the subject line along with your name and phone number to danielle.hanna@thermofisher.com or by calling 616-295-7734 to reserve your spot
Call to Order: In person at PEAC-Univ of Akron. Meeting called to order at 5:30PM.

Present: Joe Mattingly, Bob Weiler, Keith Pelfrey, R J Viereckl, Larry Stanek, David Schultz, Dan Jones and Sherri Hart

Online: Tony Dean

Absent: Kevin Malpass, Bob Wegelin, John Fellenstein, Nicole Fraifogl, Critt Ohlemacher and Sahil Gupta

Joe Mattingly hosted BOD
Minutes reviewed from March and approved.

In need of new BOD/Committee members to help fill key positions
Treasurer- next SPE year
House- next year

Technical Program 2022/23—Larry Stanek / David Schultz / Sherri Hart

• March 20- Cleve hosted a Tour of Magnet in Cleveland- the Tour of the facility was fascinating and enlightening. They offered tours to our groups that we are aligned with in education space. We had a limited turnout from Cleveland and Akron plus a couple of guests from each region.

• April 10- Akron- University of Akron- Student Poster session- RJ Viereckl-PESO Team located Polymer Science 3rd Floor, Present poster- $5, No Poster -$10, Members- $25. Plan to align prize for Top voted poster. Working with caterer, align tables and chairs. Parking arrangement- U of Akron- John Fellenstein. Prof Weinan Xu- host evening as Chair of PESO- faculty Advisor. Excellent work with PESO group led by RJ to align this special meeting to allow networking for U of A graduate and under -graduate students that might attend.- Thank you for all of your help as we align a template for future out-reach.

• May 22- Keith Pelfrey will be MC the evening. David Schultz and Keith to meet align details, program- Jenny, powerpoint and loop- Bob Wegelin for banquet. In addition to align support via Computer, Projector and Screen and Tabletop. Awards have been ordered. We have set Award winners- Hall of Honor, Zekan plus Lifetime awaiting final details and pictures and bios plus final list Scholarship students.

• David Schultz will send Awards link to BOD- as soon as I receive from ACESS.

• June 13- Changed date Tuesday to accommodate more BOD members to attend as we align for next year- still dynamic situation- Papa Joes planned location being set up by Bob Weiler.

In addition do have a thumbnail sketch for year 2023-24

• Akron- Sept- Greg Kozera- Shale Crescent- USA- Hilton target date Sept 11- DRS made contact will follow up. He approached us with interest to present to our group on Manufacturing Advantage including discussions on Ohio, Pa and West Virginia- advantages. He is Marietta centric but is more than willing to travel to Akron. We were thinking that this overall review and landscape might be a perfect way to kick off the next SPE year.

• Akron- Oct- Vinylytec – Oct 10-12 at Hilton

• Cleve- could as well run or align a meeting- checking with Rik and Susan- TBD

• Akron- Nov or Dec Bounce – Innovation key contact Emery Leucthtag- Akron area

Open for ideas plant tours

• Cleve or Akron

• Jan- April- thoughts- Joint meeting with Detroit and or Erie

• Ideas- Think Box

• Technology House
Board Meeting Minutes – 4/3 continued

• We as well talked with Rik and would like to do Plant tours this year- some from the past as well a Day event- where we develop a theme and invite Detroit, Erie to local Cleve/Akron area for Conf- we can ALL win based on that scenario!
• Rik tossed out his company in Pa- Moxie Tec, Thogus- 3 D Printing, Tymax and others.
• We discussed a number of themes and subjects- let the work start for next year.

House and Treasurer—Bob Weiler
Bob reports we are set for May meeting- looking to have BOD /Committee member handle House this next year. Bob reports finances are in good standing. He suggests that funds, as set in Budget for Edu Foundation, be provided. He reports he has aligned an additional mode for SPE members or attendees to pay at the door or ahead of time using a new Square feature that uses a QR code. Bob recorded a request for payment copies from ACESS -STEM.

Membership—Kevin Malpass
Sherri for Kevin reports at 172 members with several soon to expire- NEED to align task force to follow up with expiring members. RJ will double check the student membership progress from Sherri and take action to increase numbers if needed.

Councilor—Dan Jones
Meeting took place ANTEC- Denver no new information from meeting provided.

Student Chapter—RJ Vieredel
Need new Scholarship applicants for Fall – new Undergraduate program at U of Akron will be a new source.

Public Interest / Advertising—Tony Dean
We are up to date on information on website. Tony still trying to get new advertisers aligned for next year.

Newsletter—Sherri Makar Hart
No report.

Social Media—Sherri Makar Hart
Sherri to work with Jenny on some new thoughts to add upcoming events to FB and Linked IN. Joe Mattingly to forward to ASPE BOD- membership area from Intl.SPE set a couple of year ago – to add to ASPE website.

National Awards—Keith Pelfrey
No report.

Section Awards—Keith Pelfrey
There will be three Lifetime awards this year and all have been notified and will attend. David Schultz will forward an official invite to Lifetime members- mid April. We have identified a Hall of Honor candidate and as well a Zekan Award winner. We need to start alignment of the Awards Program flier including Speaker- Prof James Eagan- Univ of Akron- Bio and Picture, Student Scholarships.
Education Committee—John Fellenstein
Reported currently Scholarships- 1 renewal and 3 New Scholarships await final details.
Science Olympiad took place (3/11) at U Akron- follow up planned for May ASPE BOD.
WRD Science Fair took place March 18- SPE provided awards- thank you Sherri
ACCESS- STEM event took place March 30, Carin Helfer- ex AGPA, David Schultz and Joe Mattingly tag teamed polymers and plastics up-close for approx. 80 students.

Education Foundation—David Schultz/Joe Mattingly
Checks for scholarships are written and mailed. Target amount for Scholarships is 11K. The Foundation is in good standing with current market dynamics in play. No planned meeting for Foundation in Q1. Suggested a possible re-work of funds- plan to review suggested proposal.

Growth Committee—Kevin Malpass
No report.

2023 VINYLTEC—Bob Weiler
Planning and Committee meetings underway with large event set to celebrate- Brabender 100 Year Anniv. Akron is hosting - David Schultz Co-Chair with Raechele Sincavage from Dow set for October 10-12 at Hilton – Akron. Interest to have a PlastiVan update informed John Fellenstein. Committee reaching out for Sponsors and Exhibitors- David Schultz, Bob Wegelin and Tony Dean- Akron.

ACCESS Update
Annual Presidents and Advisors meeting set for April 19 at Bounce Innovation Hub in Akron, new Advisors on our BOD as of this month will allow a broad review of local activity from Greater Akron Chamber, Univ of Akron and local Consulting company. PayPal is up and working, currently ironing out bugs- thank David Perry and making sure to align a society person in reservations, however ACCESS is supplying as well a weekly update based on influx of reservations- Thank you Denise Kotz. It is available for May ASPE event.

Old Business
None.

New Business
Dan Jones reminded. The IEEE society is in charge of aligning under the National ADSPE for year 2024 and SPE is set for 2025. This would entail support and developing programs. It could possibly happen that SPE may be up for 2024.

Meeting Adjourned. Next meeting PEAC- May 1 530 PM.
Akron Section Past Presidents

1959-1960  Donald F. Siddall
1960-1961  Milan Krajcik
1961-1962  Foster J. Young
1962-1963  Dickson L. Stoker, III
1963-1964  Edward L. Hillier
1964-1965  John R. Russell
1965-1966  John R. Russell
1966-1967  Clyde H. Jones
1967-1968  Alan Corry, Jr.
1968-1969  Bernard M. Saffian
1969-1970  Harold R. Schick
1971-1972  John J. Satterfield
1972-1973  Alexis M. Gross
1973-1974  Francis J. Maurer
1975-1976  Robert M. Hershey
1976-1977  Richard L. Fleshman
1977-1978  David Curtis
1979-1980  Gerald W. Whitnable
1980-1981  Kathleen N. Bechter
1981-1982  Victor E. Giuffrida
1982-1983  James Steiner
1983-1984  Robert G. Hills
1984-1985  Anthony F. Dean, Jr.
1985-1986  Gene Buser
1986-1987  Harry J. Barth
1988-1989  William E. Tosko
1989-1990  Robert C. Wegelin
1990-1991  Geraldine R. Stromquist
1991-1992  Spencer Kreiser
1992-1993  Robert C. Wegelin
1994-1995  Wayne Decamp
1995-1996  Melanie Stewart
1996-1997  Kevin Hershfield
1997-1998  David Schultz
1998-1999  John Raab
1999-2000  Gary Taylor
2000-2001  Kevin Malpass
2001-2002  Kenneth L. Sharp
2002-2003  Joseph E. Pfeiffer
2003-2004  Robert C. Wegelin
2004-2005  Joseph Mattingly
2005-2006  Lloyd A. Goettler
2006-2007  John Woodside
2007-2008  Vivian Malpass
2008-2009  Joseph Mattingly
2009-2010  David A. Katz
2010-2011  Lloyd A. Goettler
2011-2012  David Schultz
2012-2013  Kevin Malpass
2013-2014  Dan Jones
2014-2015  Vivian Malpass
2015-2016  Keith Pelfrey
2016-2017  Robert Weiler
2017-2018  Tom McQuaide
2018-2019  Nicole Fraifogl
2019-2020  Larry Stanek
2020-2021  Larry Stanek
2021-2022  Joseph Mattingly
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Tony Dean  Director, Retired  Advertising/Public Interest  330-929-9916 T francis@neo.rr.com

Open  President/Chair-elect,  330-338-8029 T daniel.h.jones@sbcglobal.net

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

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

Robert Weiler  Treasurer, House, Retired  Director  330-283-9024  rgweiler@zoominternet.net

Kevin Malpass  Director,  330-398-9411 T Membership, Growth  kevin.malpass@gmail.com

Dan Jones  Councilor  330-338-8029 T

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

Larry Stanek  Past President, ENPAC LLC  Awards, Technical Program, Director  440-975-0070 ext 313 T 440-975-0047 F lstanek@enpac.com

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

Nicole Fraifogl  Prior Past President/ Viscus Biologics LLC  Director,  216-744-2740 ext 707 T Website/Social Media  nicole.fraifogl@viscusbiologics.com

Robert Weiler  Treasurer, House, Retired  Director  330-283-9024  rgweiler@zoominternet.net

Kevin Malpass  Director,  330-398-9411 T Membership, Growth  kevin.malpass@gmail.com

Weinan Xu  Director, Professor, U Akron Polymer Eng  Student  240-302-8321 T weinanxu@uakron.edu

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

Stephen Riley  Director, Student - U Akron Polymer Eng  Student Chapter SPE Liaison  216-956-2582 T srr57@uakron.edu

Keith Pelfrey  Director  Retired  216-315-0966 T kpelfrey@neo.rr.com

RJ Viereckl  Director, Student - U Akron Polymer Eng  Student Chapter SPE Liaison  630-687-0958 T rjv28@uakron.edu

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

Page 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 nearly forty years that the foundation has been in existence, it has provided over 300 scholarships to young men and women totaling in excess of $441,000 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 David Schultz, 610 Berkshire Drive, Medina, Ohio 44256.

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) 283-5721 with any questions. Thank you for your consideration.

Sincerely,
David Schultz, Foundation Chair
Akron Section Society of Plastics Engineers, Educational Foundation
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