

Polymer Valley News

John Fellenstein performing magic with polymers this summer. The program was a summer camp experience with the Lorain County Boys and Girls Clubs.



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 ~

November 21, 2022

Galaxy Restaurant and Banquet Center
201 Park Center Drive
Wadsworth, OH 44281

Meeting Information – Nov. 21

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

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

Reservations must be in by noon on Fri., Nov. 18 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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Dan Gisser from Ohio Aerospace Institute (OAI)
Small Business Innovation Research (SBIR) grants

See page 2 for speaker biography and presentation abstract.

“SUSTAINABILITY ROCKS”: Part Two

Helping Molders Tune In to the Circular Economy
Thursday, October 13, 2022: 7:30AM -6:00PM

To register - [click here](#)

See page 5-9 for details



Growth opportunities for innovative small businesses through federal research grants from the Department of Defense

The Department of Defense and ten other federal agencies provide grants to support innovative research and technology development at small companies. The primary funding mechanism is [Small Business Innovation Research \(SBIR\)](#) grants. Ohio companies receive 220+ of these awards each year, for a total of \$100M+ in non-dilutive funding. Half of these are from the [DoD](#). They are designed to prepare the companies and the [DoD](#) to become long term supplier-customer partners based on the technologies developed. Ohio Aerospace Institute provides free services to companies as they learn about, apply for, and participate in these programs. This discussion will introduce the SBIR program, with a special emphasis on current research grant opportunities with the [DoD](#). We will also introduce other tax-supported efforts to help Ohio manufacturers grow their defense-related business.



Funded in part through a Cooperative Agreement with the U.S. Small Business Administration.



Daniel J. Gisser, MBA, PhD

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Daniel J. Gisser (Dan) is an advisor, mentor, teacher, and coach to leaders of innovative small businesses, especially technology & science-based companies. At Ohio Aerospace Institute, Dan helps small companies learn about, apply for, and manage federal research grants, especially SBIR/STTR awards. He also helps small and mid-sized companies become better suppliers to our federal government, and facilitates collaborations between these companies and federal laboratories, universities, and larger corporations. This work spans all technology fields. Dan also owns a small consulting firm. Before that he worked for 20 years in various marketing, technology management, and entrepreneurial roles at Eaton Corporation and Eastman Kodak. Dan has an MBA from the [University of Rochester](#), PhD in Polymer Science from the [University of Wisconsin-Madison](#), and BA from [Dartmouth College](#). He has been active in the Cleveland and Akron Sections of SPE since 2016.



President's Message

Hello fellow SPE enthusiasts,

The Akron Section of the Society of Plastics Engineers has completed the 2022 TPE Topcon, and the Akron Section's technical meeting season begins in August. Please see our meeting schedule in the newsletter. I'm hoping to see more of our members at our meetings throughout the year.



It's been a very busy September and the weather is changing quickly, so it's time to plan ahead to be at some joint meetings with the Cleveland section and the ACCESS group.

We will see you at our meetings and events this year!

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!

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“SUSTAINABILITY ROCKS” AGENDA

Helping Molders Tune In to the Circular Economy

Thursday, October 13, 2022: 7:30AM -6:00PM

To register, [click here](#)

SPE Injection Molding Division Members: FREE
SPE Members: \$25 (non-Cleveland Chapter or IM Div. Members)
Non-SPE Members: \$99

7:30- 8:30	Registration & Continental Breakfast
8:30- 8:45	Opening Remarks: Susan Montgomery, Conference Chair
8:45-9:25	KEYNOTE: “A Resin Supplier’s Perspective on Partnerships for the Circular Economy” Dr. Kim McLoughlin, Senior Research Engineer, Global Materials Science, Braskem
9:30-10:05	“Recovery of High Purity Polypropylene from Mixed Plastic Waste” Dr. Joseph Lawrence, Senior Director and Research Professor, University of Toledo
10:05- 10:40	“Design Strategies and Mechanical Properties of Thick & Recyclable Thermoplastic Foams” Dr. Alicyn Rhoades, Associate Professor in Engineering, Plastics Engineering Technology and Polymer and Engineering Science, Penn State Erie, The Behrend College
10:45-11:00	BREAK
11:05-11:40	“Developing Circular Solutions in the Petrochemical Industry” Mr. Tom Giovannetti, Technical Service Engineer, Injection and Rotational Molding and CAE, Chevron Phillips Chemical Company
11:40-12:15	“Circularity Through Redesign: Creating New Polymer Systems that are 100% Biobased and Recyclable” Mr. James Sternberg, Senior Scientist and Research Assistant Professor, Department of Automotive Engineering, Clemson University
12:15-1:30	LUNCH
1:30- 2:10	KEYNOTE: “The Future of Plastics Molding” Dr. Gamini Mendis, Assistant Professor in Plastics Engineering Technology, Penn State Erie, The Behrend College
2:15- 2:50	“Enabling Circular Economy for Plastics and Composites Industry via Networked Manufacturing” Dr. Saeed Farahani, Assistant Professor, Mechanical Engineering Department, Cleveland State University
2:55- 3:10	BREAK
3:15-3:45	“Loc Check for GSM Tracking of Injection Molds” Mr. Matt Hammernik, Northeast Account Manager, Hasco America
3:45- 4:30	Industry Insights from our Premier Conference Sponsors
4:30- 6:00	NETWORKING RECEPTION Sponsored by the SPE Injection Molding Division and Cleveland SPE Chapter



Helping Molders Tune In to the Circular Economy Thursday, October 13, 2022: 7:30AM -6:00PM



KEYNOTE: “A Resin Supplier’s Perspective on Partnerships for the Circular Economy”

Dr. Kim McLoughlin, Senior Research Engineer, Global Materials Science, Braskem

ABSTRACT: The plastics industry is experiencing a time of unprecedented change, challenge, and opportunity related to environmental sustainability.

Companies across our supply chain, from material suppliers to brand owners, have made bold public commitments to achieve ambitious Circular Economy targets. Molders have a central role in helping stakeholders across the supply chain to achieve those targets.

I will discuss Circular Economy targets, implications for molders, and resources available to molders as they help drive this transition. I will focus on the ways in which partnerships can foster successful sustainability initiatives. Finally, I will share my experience coordinating an industry-academic recycling collaboration, which is facilitated and funded by the REMADE institute.

BIO: Dr. Kim McCoughlin drives technology programs at Braskem to develop advanced polyolefins with improved recyclability and sustainability. As Principal Investigator on a REMADE-funded collaboration, Kim leads a diverse industry-academic team that is developing a process to recycle elastomers as secondary feedstock. Kim has a PhD in Chemical Engineering from Cornell. She is an inventor on more than 25 patents and applications for novel polyolefin technologies. Kim is on the Board of Directors of SPE’s Thermoplastic Materials & Foams Division, where she has served as Education Chair and Councilor.



“Recovery of High Purity Polypropylene from Mixed Plastic Waste”

Dr. Joseph Lawrence, Senior Director and Research Professor, University of Toledo

ABSTRACT: Despite being widely utilized, only about 1% of the polypropylene (PP) produced globally are recycled. A particular challenge is to recover PP from mixed polyolefins float fraction that are typically part of commercial plastic waste recycling. In this talk, we present a sustainable approach to selectively dissolve and recover PP from mixed plastic waste using a biodegradable, non-toxic, and bio-sourced “Green Solvent”. Among all the major polymers, PP alone dissolved in this Green Solvent while other plastics remain insoluble. The dissolved PP is then re-precipitated with an anti-solvent to obtain virgin like material. We have demonstrated PP separation and recovery from a variety of feedstocks, including PP-PE pellets mixtures, melt blended PP and PE pellets, post-consumer polyolefin waste (e.g. takeout containers), floatables from commercial PET recycling, discarded face masks, and multilayer flexible food packaging. Peak temperature for degradation, melting point, melt flow index (MFI), and material structure of recovered PP will be presented. This environment friendly process can recover PP from mixed plastic waste and separate PP and PE from a mixture without significant loss of polymeric material properties.

BIO: Dr. Joseph Lawrence is a Research Professor and Senior Director of the Polymer Institute and the Center for Materials and Sensor Characterization at the University of Toledo. He is a Chemical Engineer by training and after working in the process industry, he has been engaged in polymers and composites research for 18+ years. In the Polymer Institute he leads research on renewably sourced polymers, plastics recycling, and additive manufacturing. He is also the lead investigator of the Polyesters and Barrier Materials Research Consortium funded by industry. Dr. Lawrence has advised 20 graduate students, mentored 8 staff scientists and several undergraduate students. He is a peer reviewer in several journals, has authored 30+ peer-reviewed publications and serves on the board of the Injection Molding Division of SPE.



“Design Strategies and Mechanical Properties of Thick & Recyclable Thermoplastic Foams”

Dr. Alicyn Rhoades, Associate Professor in Engineering, Plastics Engineering Technology and Polymer and Engineering Science, Penn State Erie, The Behrend College

ABSTRACT: Moxietec injection molded thick thermoplastic foams routinely challenge and exceed longstanding industrial expectations in part design and physical properties, with density reductions from 20 – 80% of the solid equivalent. This talk will describe injection molded thick foam samples of up to 9” in thickness that are realistic alternatives to rigid thermoset urethane foam systems, multi-part assemblies, and other non-recyclable options.

BIO: Dr. Alicyn Rhoades is an Associate Professor in Engineering in both the Plastics Engineering Technology and the Polymer Engineering & Science Departments at Penn State Behrend. She is also the former Technology Director for Moxietec, LLC and currently leads the Scientific Advisory Board for the company. Prior to joining Penn State, Alicyn spent 5 years in the polymer industry, most recently with Bayer MaterialScience (Covestro) in Pittsburgh, PA. She has numerous awards including an NSF CAREER Award, and was named one of the 2018 Top 20 Under 40 Engineering Professors in the US by the American Association for Engineering Education.



“Developing Circular Solutions in the Petrochemical Industry”

Mr. Tom Giovannetti, Technical Service Engineer, Injection and Rotational Molding and CAE, Chevron Phillips Chemical Company

ABSTRACT: Since the development of the polymers industry, plastics have become a widely accepted packaging option worldwide for good reason - these materials are known their high strength, light weight, extraordinary flexibility, low energy usage and low toxicity. But these same materials that offer so many societal advantages are also under increasing environmental scrutiny due largely to gaps in the infrastructure required to handle post use materials. Industry is engaged in an unprecedented effort to create and deploy sustainable circular approaches that address end of life innovations designed to reclaim valuable hydrocarbon resources and return them to commerce – that is, developing a circular economy.

In this seminar, we will explore the innovations that have made synthetic polymers the material of choice for so many applications, the drivers behind the growth of this industry, the challenges we face, solutions under development and the collaborative efforts needed to responsibly repurpose post use plastics to circular solutions that meet societal needs.

BIO: Mr. Tom Giovannetti holds a Degree in Mechanical Engineering from The University of Tulsa and for the last 26 years has worked for Chevron Phillips Chemical Company. Tom started his plastics career by designing various injection molded products for the chemical industry including explosion proof plugs and receptacles, panel boards and detonation arrestors for 24 inch pipelines. Tom also holds a patent for design of a polyphenylene sulfide sleeve in a nylon coolant cross-over of an air intake manifold and is a Certified Plastic Technologist through the Society of Plastic Engineers. Tom serves on the Oklahoma Section Board as Councilor, is also the past president of the local Oklahoma SPE Section, and as well serves on the SPE Injection Molding Division board.



“Circularity Through Redesign: Creating New Polymer Systems that are 100% Biobased and Recyclable”

Mr. James Sternberg, Senior Scientist and Research Assistant Professor, Department of Automotive Engineering, Clemson University

ABSTRACT: Polyurethanes rank among the 6th most produced plastic globally and carry significant risks to health and safety due to the use of isocyanates in the polymer composition. In addition, polyurethanes are some of the least recycled materials due to their crosslinked nature precluding typical thermal processing techniques. To address these issues and enable a sustainable and circular design to polyurethane synthesis, a biobased and non-isocyanate route has been innovated that introduces chemical linkages capable of dissociation post-synthesis for chemical recycling. Lignin, as a highly abundant by-product of the paper pulping industry, is utilized as an alternative feedstock to create the non-isocyanate polyurethanes (NIPUs). While only a few examples of NIPU foams can be found in the scientific literature, the lignin-based foams described here combine a lightweight, flexible and 100% biobased nature. As lignin is typically used in the formulation of rigid polymers and foams, the foams presented here are the first to demonstrate flexible properties and densities near commercial materials. The raw materials of the composition can be recovered after chemical recycling of the foams using a high-pressure hydrolysis technique. The recycled precursors are demonstrated capable of reuse in second generation foams enabling a circular lifecycle.

BIO: Mr. James Sternberg is a Senior Scientist at the Clemson Composites Center in Greenville, SC and a Research Assistant Professor in the Department of Automotive Engineering at Clemson University. James comes from a chemistry background having completed his B.S. and M.S. in chemistry before studying biobased polymers under Srikanth Pilla at Clemson. James’s work focusses on redesigning polymer systems to be biobased and chemically recyclable. His projects have included recycling and/or redesigning polyurethane foams, nylons, composites, and 3D printing materials. He is currently the leader of the chemical recycling and upcycling group at the Clemson Composites Center.

Helping Molders Tune In to the Circular Economy Thursday, October 13, 2022: 7:30AM -6:00PM



KEYNOTE: “The Future of Plastics Molding”

Dr. Gamini Mendis, Assistant Professor in Plastics Engineering Technology, Penn State Erie, The Behrend College

ABSTRACT: The plastics industry is changing. Consumers are more worried about sustainability and environmental challenges and the U.S. government is paying attention. In this talk, I will outline some of the challenges on the horizon for the plastics industry and discuss a variety of upcoming technological solutions to address these challenges. These solutions include new materials systems, improved manufacturing efficiency through smart and sustainable manufacturing methods, and changes to end-of-life materials management. I will also discuss how the industry can come together to adapt to a changing social and policy environment.

BIO: Dr. Gamini Mendis has a BS and PhD from Purdue University in Materials Engineering and Sustainability. He joined Penn State as a Post Doctorate Scholar in 2020 prior to his professorship appointment. He works closely with PA plastics manufacturers to implement sustainability programs in their plants.



“Enabling Circular Economy for Plastics and Composites Industry via Networked Manufacturing”

Dr. Saeed Farahani, Assistant Professor, Mechanical Engineering Department, Cleveland State University

ABSTRACT: The circular economy is an economic system that aims at reducing resource consumption and eliminating waste while promising economic development continuity. With this definition, the advances in the areas of digitalization and data analytics, which are known as Industry 4.0 technologies, can provide a breeding ground for circular economy targets. In this context, the plastics and composites manufacturing industry is taking a slightly longer time to visibly adopt these technologies. The main reason is that plastics and composites manufacturing is more challenging than other industries in terms of data collection and analysis due to their inherent complexity. The extensive possible combinations of fibers, fillers, and polymers; the multi-physics nature of their manufacturing processes; their complex tooling systems; and the requirement of human expertise in some sections complicate every aspect of their design and manufacture. To mitigate these complexities and address the need for modernizing the conventional production lines by employing advances in the areas of industrial IoT and data analytics, we have worked on the concept of networked manufacturing – broadly refers to the connection of multiple manufacturing equipment and processes into a large system in which those individual components communicate with each other and transfer actionable data to improve their processes. In this presentation, the implementation route map of networked manufacturing systems will be explained, and its potential challenges and opportunities will be highlighted. Subsequently, several case studies will be presented to demonstrate the capabilities of such connected systems in terms of developing quality monitoring, process control, and predictive maintenance systems for injection molding plant.

BIO: Dr. Saeed Farahani is currently working as an Assistant Professor in the Department of Mechanical Engineering at Cleveland State University. He has B.S. and M.S. degrees in Mechanical Engineering from Sharif University and Ph.D. in Automotive Engineering (manufacturing field) from Clemson University. His research is primarily in the field of plastics and composites manufacturing, particularly in the areas of hybrid and networked production system involving integrated analytical models, numerical simulations, statistical and machine learning methods, sensors, and industrial IoT solutions to advance manufacturing systems for polymers, and composites. Dr. Farahani has more than 10 years of working in industry in the Design Strategies and Mechanical Properties of Thick & Recyclable Thermoplastic Foams



“Loc Check for GSM Tracking of Injection Molds”

Mr. Matt Hammernik, Northeast Account Manager, Hasco America

ABSTRACT: The HASCO Loc Check allows you to monitor the location of a tool easily and quickly at any time with your cellular device. This HASCO component also allows injection molders to keep track through the shipment process all the way to the press. Whether it is being shipped after the completion of the tool to their facility. Or, possibly transported to another injection molding facility for production. Loc Check provides sustainability in the mold industry by reducing waste/loss. Loss that could be your mold at the building phase or a fully assembled mold ready for trial. This component gives you the security in the palm of your hand to keep tabs on your valuable tools in this global market. This rechargeable device travels with your molds to make sure they end up where you need them most.

BIO: Mr. Matt Hammernik serves as Hasco America’s Northeast Area Account Manager covering the states Michigan, Ohio, Indiana, and Kentucky. He started with Hasco America at the beginning of March 2022. Matt started in the Injection Mold Industry roughly 10 years ago as an estimator quoting injection mold base steel, components and machining. He advanced into outside sales and has been serving molders, mold builders and mold makers for about 7 years.



“MAGNET: Manufacturing Partnerships in NE OH”

Ms. Darlyn McDermott, Director of Client Engagement, MAGNET

BIO: Ms. Darlyn McDermott is a Market Leader and Director of Client Engagement responsible for the Northern and Eastern Region of MAGNET of NE Ohio. She specializes in identifying and solving complex Manufacturing and Tech Services sector barriers to growth for the manufacturing community. As a Market Leader her current responsibilities include new business development technical discussions, industry leadership strategic partner relationships, Smart Factory implementation strategic and operations topics. MAGNET's state of the art manufacturing facility is located in downtown Cleveland, Ohio and has 4 satellite offices across Ohio. Darlyn holds BA and Master's Degrees from Malone College and is a Six Sigma Green Belt.



“SUSTAINABLE MANUFACTURING”

Mr. David Leff, Vice President, Team Leader, Risk Control, The Huntington Bank

BIO: Mr. David Leff holds a strong professional background helping colleagues and clients understand risk, improving safety performance, and implementing programs to create a positive safety culture. He began his career at Worthington Industries as a Plant Engineer where he was responsible for managing all facets of engineering, maintenance, and supervision of multiple projects and different disciplines. He went on to hold positions with Worthington Industries including Supervisor, Environmental, Health and Safety Manager, and Corporate Manager of Environmental, Health, Safety and Security (EHSS). He has been with Huntington Insurance since 2017. David earned his Bachelors in Physics with a minor in Management from Wittenberg University in Springfield, OH and his Master's degree in Manufacturing Engineering from Ohio State University in Columbus, OH.



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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.

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

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Membership Report

The Akron Section currently has 159 members.
 Lapsed - 13, Active – 159
 2 new members

<u>Month</u>	<u>Active</u>
Jan	187
Feb	187
Mar	--
Apr	--
May	165
Jun	--
Jul	159
Aug	--
Sep	--
Oct	
Nov	
Dec	

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

TOPCON Highlights



TOPCON Highlights



TOPCON Highlights



TOPCON Highlights – Student Posters





TPE TOPCON 2022



**TPEs
Unmasked**

Expanding Markets, Materials & Applications

Poster Session


Title	Author	Advisor
Compounding of Two-Way Shape Memory Polymers	Ziyan Li	Dr. Kevin Cavicchi
Crystallinity of Carbon Black and its Effect on the Properties of Rubber Compounds	Abbas Valsadwala	Dr. Sadhan Jana
Designing Novel Thermoplastic Adhesives for Lining of Paintings	Dharamdeep Jain	Dr. Ali Dhinojwala
Effect of Positional Variation of Pendant Cationic Amines on the Mechanical and Surface Properties of Polycaprolactone Based Segmented Polyurethanes	Chinnapatch Tantisuwanno	Dr. Abraham Joy
Engineering Properties of Biobased Electrically Conductive Composites	Udayan Dabke	Dr. Erol Sancaktar
Epoxides of Norbornylized Seed Oils and Carbonized Biomass Fillers for Sustainable Thermosets and Composites	Joseph Nwosu	Dr. Mark Soucek
Molecular Engineering and Additive Manufacturing of Polyisobutylene-based Functional Elastomers	Naifu Shen	Dr. Weinan Xu
Structure and Dynamics of the PE-iPP interface: Role of Supramolecular Coupling Agent	Nazanin Sadeghi	Dr. Fardin Khabaz
Synergistic Effect of Physical and Chemical Crosslinks Enhances Shape Fidelity and Mechanical Properties of 3D Printable Low Modulus Polyesters	Deliris Ortiz-Ortiz	Dr. Abraham Joy
Thermoplastic Elastomers from Tunable Polyethylene using a Heterogeneous Nickel Alpha Diamine Catalyst	Keaton Turney	Dr. James Eagan
Towards Developing Semi-Crystalline Shape Memory Elastomers via Ene Reaction	Sayan Basak	Dr. Kevin Cavicchi
Understanding the Dynamics of Polymer Grafted Nanoparticles in a Polymer Matrix at Sub-glass Transition Temperatures	Harsh Pandya	Dr. Fardin Khabaz

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. 8-10 **Compounding Conference**
-- *Huntington Center - Cleveland **
- Nov. 21 **DODE, Dan Gisser**
-- *Akron **
- Dec. -- **TBD**
-- *Akron **
- Jan. TBD **ACCESS –**
-- *Akron **
- Jan. TBD **NEO Team**
-- *Virtual –Cleveland **
- Feb. 24 **Sustainability, Madison Group**
-- *Virtual - Cleveland **
- Mar. -- **TBD**
-- *Akron **
- Apr. -- **TBD**
-- *Cleveland **
- May - **Akron Section Awards Night**
-- *Akron **

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

LOOKING FORWARD TO WELCOMING YOU BACK SOON!



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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.

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Tech Talk

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

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Board Meeting Minutes – August 29, 2022

Call to Order: Meeting called to order.

Present: NA

Absent: NA

Thank you for taking Minutes for BOD - Stephen

Welcome New Board Member- Director Critt Olemacher from Smithers Akron.

Will get Critt and RJ aligned on email minutes.

Minutes from Previous Meeting

NA.

Technical Program 2021/22—Larry Stanek / David Schultz

TPE TOPCON set for Sept 20-22 Hilton. Nov 21 Dan Gisser- Small Business Innovation Grants 5:30 pm.

House—Bob Weiler

Target Raintree \ Galaxy for Nov meeting- TBD.

Membership—Kevin Malpass

No report.

Treasurer—Bob Weiler

No report.

Councilor—Dan Jones

No report.

Student Chapter—Stephen Riley

New liaison RJ Vieredel- rjv28@uakron.edu.

Public Interest / Advertising—Tony Dean

Eight advertisers to date.

Newsletter—Sherri Makar Hart

No report.

Website / Social Media—Nicole Fraifogl

No report.

Section Awards—Keith Pelfrey

Aligning candidates for May- Lifetime Award Tony Dean and Dr. Lloyd Goettler.

Education Committee—John Fellenstein

Checks being sent for Scholarships. Letters were sent.

PlastiVan present at TOPCON.

Board Meeting Minutes – 8/29 continued

Education Foundation—David Schultz/Joe Mattingly

Meeting took place to review doing well based on current Market conditions no changes made. Taxes complete and filed.

Growth Committee—Kevin Malpass

No report.

2022 TPE TOPCON—David Schultz

No report.

2022 VINYLTEC—Bob Weiler

No report.

New Business

None.

ACCESS Update

Meeting on third Wednesday per new President.
Joint meeting set for Jan with ACS taking lead this year date TBD.

Meeting Adjourned.

Old Business

Projector and cords with Joe Mattingly. Screen with John Fellenstein. Laptop Bob Weiler.



Akron Section Past Presidents

*63 years of
excellence*

1959-1960	Donald F. Siddall	1990-1991	Geraldine R. Stromquist
1960-1961	Milan Krajcik	1991-1992	Spencer Kreiser
1961-1962	Foster J. Young	1992-1993	Robert C. Wegelin
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

Joe Mattingly <i>Goodyear Tire & Rubber Co.</i> 330-208-6913 T joe@mattingly.us	President/Chair, Director	Keith Pelfrey <i>Retired</i> 216-315-0966 T kpelfrey@neo.rr.com	Director
Open	President/Chair-elect,	Bob Wegelin <i>Retired</i> 330-414-1498 T robert.wegelin@att.net	Director
David Schultz <i>Rubber World Magazine</i> 330-283-5721 schultzdave54@gmail.com	Secretary, Education Foundation TOPCON 2022	Tony Dean <i>Retired</i> 330-929-9916 T francis@neo.rr.com	Director, Advertising/Public Interest
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Nicole Fraifogl <i>Viscus Biologics LLC</i> 216-744-2740 ext 707 T nicole.fraifogl@viscusbiologics.com	Prior Past President/ Director, Website/Social Media	Kevin Malpass 330-398-9411 T kevin.malpass@gmail.com	Director, Membership, Growth
Weinan Xu <i>Professor, U Akron Polymer Eng</i> 240-302-8321 T weinanxu@uakron.edu	Director, Student Chapter Advisor	Vivian Malpass <i>Tek-Mark International</i> 330-342-1120 T vivian.malpass@tek-mark.com	Director
Stephen Riley <i>Student - U Akron Polymer Eng</i> 216-956-2582 T srr57@uakron.edu	Director, Student Chapter SPE Liaison		

Akron Section Society of Plastics Engineers Educational Foundation



06-22

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



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

Sponsorships

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.**

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. 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 (logo) and web site, and all contain a hotlink to your company website.

Email artwork and this Insertion Order (completed) as an attachment to francis@neo.rr.com

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