

Polymer Valley News



The Newsletter of the Akron Section of the Society of Plastics Engineers
Our 62nd Year of Education and Service to the Plastics Industry

~ Next Session ~

Monday, February 10, 2020
5:30 p.m.

Eriez Magnetics
Hilton Garden Inn
8971 Wilcox Drive
Twinsburg, Ohio 44087



Meeting Information

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

Check In	5:30 p.m.
Dinner	6:00 p.m.
Presentation	6:45 p.m.

Reservations must be in by noon on Wednesday, Feb. 5 to Dan Crist at 440-227-5424 or mail@cmd-tip.com. Please be sure to include the company affiliation of each attendee including dietary restrictions.

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Additives which Impart Metal Detectability

W. John Collins, Product Manager
Eriez Magnetics PolyMag Product line

John Collins joined Eriez Magnetics in 2005 as Manager of the *PolyMag*[®] business and he was the Plastics & Rubber Industry Market Manger. John is now focused solely on *PolyMag* Additives which impart Metal Detectability, Magnetic Susceptibility and X-Ray contrast into polymers, used by food processors worldwide, to prevent plastic contaminated foods from entering the marketplace.
continued...



Speaker continued...

He earned his Bachelor of Arts degree in Economics and History from Denison University, with additional education in Statistical Process Control, QS9000, ISO 9001, Project Management and Value Analysis.



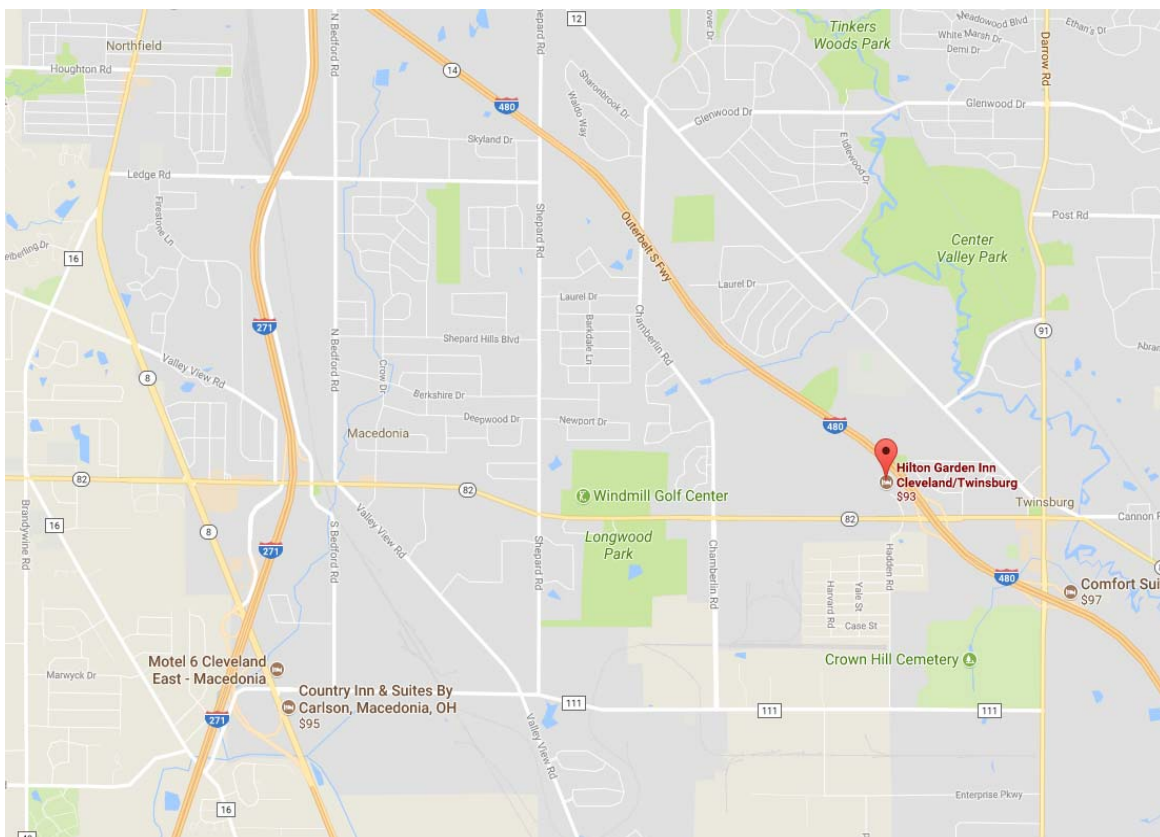
Collins has spent over 40 years in the plastics industry, most notably with Premix in North Kingsville, Ohio where he served in various capacities including Sales Management, VP Product Engineering, VP Corporate Purchasing, and VP Manufacturing & Operations. Since 1976 he has been an active member of the Society of Plastics Engineers.

	<ul style="list-style-type: none">• Volumetric, Gravimetric, Belt & Screw Feeders		<ul style="list-style-type: none">• Explosion Mitigation & Prevention Equipment for Combustible Dust
	<ul style="list-style-type: none">• Bulk Bag Systems• Mechanical Conveyors• Scale Systems		<ul style="list-style-type: none">• Paddle Mixers• Vacuum Dryers
	<ul style="list-style-type: none">• Water & Oil Temperature Control Equipment• Portable Chillers		<ul style="list-style-type: none">• Delumpers• Shredders• Size Reduction
	<ul style="list-style-type: none">• Densephase Pneumatic Conveying		<ul style="list-style-type: none">• Vibratory Feeders• Bin Activators
 DAVID INDUSTRIAL SALES LLC P.O. Box 4125 - Akron, Ohio 44391 www.davidindustrialsales.com Akron: (330) 659-3157 Perrysburg: (419) 874-1359			

Directions to Meeting

Take exit 36 (Aurora Rd) from I-480
Turn west on Aurora Rd
Turn right on Wilcox
Hotel is at end of road past Blue Canyon

Address:
8971 Wilcox Dr. Twinsburg OH



Advertiser Index

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Picture your ad here

And also on www.akronspe.org

Join us for this season's advertising
– see page 32 for the order form

**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!

We provide material testing and analysis with a fast turnaround and quality results.

Consider Case Analytical Laboratories to help you with quality challenges you may face with raw materials, processing, or finished products. We are a customer-focused, low-cost testing and consulting service for the polymer industry.

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- Identification of Materials
- Thermal Analysis
 - Material Composition
 - Thermal Stability

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contact@caseanalytical.com
www.caseanalytical.com

Technical Assistance

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

THE CHAIN
Where Plastics Professionals Connect

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



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INNOVATIVE ADDITIVES

Turn Your Concept Into Reality

Innovative Additive Solutions!



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.

VINYLTEC Sponsors

Gold



Gold



Gold



The 2020 VINYLTEC will be hosted by the Palisades section October 20-22 in Iselin, NJ. If you or your company have an interest in participating in the technical program please reach out to the 2020 TPC Chairman, Ron Raleigh (ron.raleigh@altana.com). For sponsorship or exhibitor opportunities contact Mark Lavach (mark.lavach@arkema.com).



Silver



Bronze



Board Meeting Dates

Generally scheduled the first Monday of the month at 5:30 p.m. in the conference room of the UA Polymer Engineering Academic Center.

8/26/19	2/3/20
9/30/19	3/2/20
11/4/19	4/6/20
12/2/19	5/4/20
1/6/20	6/8/20

Membership Report - 2020

The Akron Section currently has 253 active members.

<u>Month</u>	<u>Active</u>
Jan	253
Feb	
Mar	
Apr	
May	
Jun	
Jul	
Aug	
Sep	
Oct	
Nov	
Dec	

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

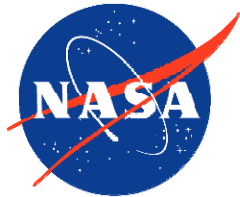


SPE National

Please click the following areas of interest:

- Contacts at National
- Member Benefits
- Join SPE
- Akron Section

Akron Section SPE



National Aeronautics and Space Administration
John H. Glenn Research Center Lewis Field
Cleveland, OH 44135-3191

Bryan K. Smith



~ Next Session ~

Monday, March 9, 2020

5:30 p.m.

Hilton Inn

3180 West Market Street

Akron, Ohio 44333

Meeting Information

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

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

Reservations must be in by noon on Fri., March 6 and can be made to Gary Taylor at 330-419-4380 or akronspe1@gmail.com. Be sure to include your company affiliation and dietary restrictions.

Bryan K. Smith
NASA

Bryan K. Smith is director of the Space Flight Systems Directorate at the National Aeronautics and Space Administration's Glenn Research Center in Cleveland, Ohio. He assumed this position in 2011 and is responsible for planning, organizing and directing the space missions assigned to the center with an annual budget of approximately \$425 million.

Glenn is engaged in research, technology and flight systems development in support of the nation's space propulsion, space power, space communications, microgravity sciences and materials development programs.

Prior to this appointment, Smith served as chief of Glenn's Systems Engineering and Analysis Division, which provides systems engineering expertise for Glenn projects, and Chief Engineer for the NASA Engineering and Safety Center, which provides independent testing and analysis of NASA's high-risk projects.





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THERMOPLASTIC ELASTOMERS CONFERENCE

Akron, Ohio • September 15-17, 2020
*Presented by the Thermoplastic Elastomers Special
Interest Group and SPE Akron Section*

EXPLORING SUSTAINABLE INNOVATION 2020



CALL FOR PAPERS

The TPE SIG and Akron Section of SPE invite the submission of abstracts for presentation at the 14th TPE TopCon 2020.

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

Bill Blasius, wgb Blasius@gmail.com, (774) 545-0990
Homaira Naseem, homaira.naseem@alphagary.com,
(978) 840-2124

Abstract Deadline: February 28, 2020

Completed Presentation Due: July 15, 2020

Linking the needs of today with the technology of the future.

Focused segments on TPE use in
Medical, Electronics, Transportation
and Sports/Recreation markets.

Industrial design, Regulatory,
Consumer/Social and Competitive
Trend Analysis and their effects
on TPE design, formulation and
fabrication.

January Meeting Highlights

Plastics News article –

<https://www.plasticsnews.com/news/plastics-rubber-firms-can-get-help-filling-jobs>



Background

The purpose of the Akron Section of the Society of Plastics Engineers Scholarship Program is to promote knowledge in polymer science, engineering and technology. Started in 1983, it has awarded over \$300,000 to area students. Preference is given to students enrolling in two- and four-year programs with a focus on plastics and polymers.

Scholarships up to \$3000 per year will be awarded and can be used for tuition, books, laboratory fees, and other educational costs necessary to earn a certificate or associate or baccalaureate degree in preparation for a career in polymers.

Selection Criteria

1. Scholastic Achievement
2. Interest in a plastics career
3. Extracurricular activities
4. Financial need
5. Two letters of reference from instructors or supervisors. (to be included with application)
6. Residence within area covered by Akron SPE.

First-time Applicants

Interested students from local high schools, technical, and vocational schools, and area colleges are encouraged to fill out the attached SPE Scholarship Application form, including the essay, references, and current transcript. Students are encouraged to discuss their interests in plastics

All scholarships are awarded for one year with option for renewal. The awards are for full-time students only. Co-op students are also eligible.

Scholarship applications
should be sent to:

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

- OR -

jfellenstein@uakron.edu

Deadline is March 16, 2020.

Renewal Applicants

Renewal Instructions:

1. Maintain a minimum **2.5/4.0** grade point average or equivalent.
2. Submit grade reports and course selections demonstrating polymer-related curriculum prior to start of next semester.
3. Apply for renewal scholarship using SPE application form. (References and essay are not required for renewal.)

Names of scholarship recipients will be distributed to donor companies for possible internship or cooperative programs.

The number of scholarships awarded per year will be variable depending on the number of qualifying applicants.

Please visit <http://www.akronspe.org/education-1#/scholarships> for more information and application form.



2020 Scholarship Application & Renewal Akron Section - Education Foundation

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

New Applicants Only, please continue:

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

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

8. On a separate sheet of paper, type a short discourse (no more than two pages) describing your enthusiasm and interest in pursuing a career in a STEM field that focuses on plastics or polymers (*or another related field*) as well as how your intended field of study will help you achieve your career goals.
9. Have **two** (and only 2) academic references (instructors or supervisors) provide the committee with a letter documenting their insights on your scholastic achievements and potential for future success in a STEM related career. Attach these references to this application.

All applications must include a current transcript.

All Applicants return application by March 16th, 2020 to the following address:

Akron SPE

Attn: John Fellenstein

250 S. Forge St Akron, OH 44325-0301

For questions, please contact John Fellenstein, phone: 330-972-6334, or email

jfellenstein@uakron.edu



AKRON

2020 "Wonders of Plastics" Essay Contest

The Akron section of the Society of Plastics Engineers (SPE) is pleased to announce the 2020 "Wonders of Plastics" essay contest.

Eligibility

The contest is open to all middle/junior high and high school students. The essay must be sponsored by one of the students' teachers.

Prizes

First place high school essay - \$100

First place middle/junior high school essay - \$100

The sponsoring teacher of each winning essay will receive \$25

The winning essays will be printed in the Akron Section's Newsletter.

Topics to consider

Advantages of plastics in food packaging

Creative use of recycled plastics

How plastics benefit humankind

How plastics improve our lifestyle

Plastics in the environment

Plastics usefulness in society

What plastics have done for me

Why the bad reputation of plastics is wrong

Submit your Essay to

Polymer Engineering
The University of Akron
Attn: John Fellenstein
250 S. Forge St
Akron, OH 44325-0301

Questions may be directed to the Akron SPE Education Committee, attention: John Fellenstein by phone or email

Tel: 330-972-6334 | **Fax:** 330-972-2624

Email: jfellenstein@uakron.edu

Entry must be postmarked by February 29, 2020!

REQUIREMENTS FOR SUBMISSION

General

Length:	Between 500 and 1,000 words
Format:	Typewritten in English on 8 ½ x 11 paper, title to appear as heading on each page; no name on any page except the entry form that must accompany each essay; 1-inch margins minimum on all sides
Authors:	The essay may be written individually or co-authored by two students
Deadline:	February 28, 2019 (postmarked)

Organization

The organization structure of the essay should be “logical,” including the following considerations:

Introduction:	Optional
Thesis:	Several sentences
Development:	This section should be several paragraphs and should discuss the theme, analyze it, feature informal research about the theme, etc.
Conclusion:	This section should be at least one paragraph in which the author summarizes the ideas presented in the essay

Mechanics

Spelling should be correct; syntax should be readable; punctuation should be conventional. Essay should be free of sentence fragments. Diction (word choice) should be appropriate to the subject and the writer’s understanding of the topic. Point of view should be appropriate to the topic/subject and remain constant and consistent. A mixture of first and third person is acceptable if it is appropriate to the voice of the essay. However, the use of second person (“you” either stated directly or implied) will change the “voice” of the essay in a manner damaging to its effectiveness. Footnotes and references must be included when necessary.

Judging

Essays will be judged by a panel. In order to be judged, the essay must meet all the conditions as stated in the organization and mechanics above, with only incidental errors in mechanics. The essay must also meet the assigned minimum length and must be submitted following the prescribed format.

ENTRY FORM

Title: _____

By: _____
type or print

About the author(s)

Name(s) _____ age _____
_____ age _____

Grade in School _____

Address(es) _____

Phone Number(s) _____

E-mail(s) _____

About the school

School _____

Address _____

City/State/Zip _____

Phone/Fax _____

Teacher _____

Class _____

Submit your Essay to

Polymer Engineering
The University of Akron
Attn: John Fellenstein
250 S. Forge St
Akron, OH 44325-0301

Tel: 330-972-6334 | **Fax:** 330-972-2624

Email: jfellenstein@uakron.edu

Entries must be postmarked by February 29th , 2020!

SPE Council Fall Meeting

November 14-15, 2019

SPE Headquarters (Bethel, CT)

1. Welcome, Anti-Trust, & Conflict of Interest Statement (B. Landes)

President Landes called the meeting to order at 15h00 EST. He reminded everyone that the meeting was held in accordance with the SPE Anti-Trust and Conflict of Interest policies.

2. Approval of Agenda (B. Landes)

The agenda was approved as published.

3. Roll Call (J. Lyons)

With 53 Councilors, 9 of which are proxies in attendance, a quorum was established to conduct business.

Council Attendance Fall 2019			
<u>First Name</u>	<u>Last Name</u>	<u>Affiliation</u>	
Kevin	Malpass	Akron Section	
Suresh	Shah	Automotive Division	
Lloyd	Martin	Blow Molding Division	
Tim	Haake	Carolina Section	
Kelvin	Okamoto	Central Indiana Section	
Dennis	Meade	Cleveland Section	
Dale	Brosius	Composites Division	
Paul	Uglum	Decoration and Assembly Division	
Sassan	Tarahomi	Detroit Section	
Matthew	Curran	Eastern New England Section	
Mridula (Babli)	Kapur	Engineering Properties and Structures Division	
Margie	Hanna	European Medical Polymers Division	
Barry	Morris	Extrusion Division	
Jennifer	Hoffman	Golden Gate Section	
Susan	Montgomery	Injection Molding Division	
Len	Czuba	Medical Plastics Division	
Matt	Bennett	Milwaukee Section	
Brian	Young	Northwestern Pennsylvania Section	
Justin	Lumbley	Oklahoma Section	
Maggie	Baumann	Palisades - New Jersey Section	
Nick	Deluca	Philadelphia Section	

Harrison	Yu	Polymer Analysis Division	
Ashok	Adur	Polymer Modifiers and Additives Division	
Albert	McGovern	Product Design and Development Division	
Daniel	Marginson	Quebec Section	
Adrian	Merrington	Recycling Division	
Glenn	Larkin, Jr.	Rotational Molding Division	
Brian	West	Smokey Mountain	
Robert	Portnoy	South Texas Section	
Jamal	El-Hibri	Southern Section	
Kim	McCloughlin	Thermoplastics Materials and Foams Division	
James	Waddell	Thermoforming Division	
Greg	West	Thermoset Division	
Michael	Arney	Upper Midwest Section	
Rakesh	Gupta	West Virginia Southeastern Ohio Section	
Brian	Landes	President	
Brian	Grady	Past-President	
Jaime	Gomez	President-Elect	
Jason	Lyons	Vice President- Divisions	
Lynzie	Nebel	Vice President- Young Professionals	
Jeremy	Dworshak	Vice President-Business & Finance	
Bruce	Mulholland	Vice President-Events	
Conor	Carlin	Vice President-Marketing & Communications	
Raymond	Pearson	Vice President-Technology & Education	
Sebastian	Fraas	Additives & Colors Europe Division	Proxy
Raymond	Wyer	Chicago Section	Proxy
Doreen	Becker	Color and Appearance Division	Proxy
Rick	Puglielli	Connecticut Section	Proxy
Kenneth	Forziati	Flexible Packaging Division	Proxy
Scott	Peters	Mold Technologies Division	Proxy
Alfred	Ulrich	Pittsburgh Section	Proxy
Mark	Maclean-Blevins	Virginia Section	Proxy
Carl	Olson	Western New England Section	Proxy
Patrick	Farrey	SPE CEO	
Kathy	Schacht	Staff	
Sue	Wojnicki	Staff	
Eve	Vitale	Staff	

4. Approval of Minutes (J. Lyons)

VP Lyons motions to approve the minutes from Council held on September 20, 2019. **Motion** is seconded by Councilor Haake and **approved**.

5. President's Opening Remarks (B. Landes)

President Landes emphasized that this Council meeting is a celebration of coming together. He thanked us for sacrificing time with our families and hobbies to join together to advance the mission of SPE. President Landes noted that this is our first meeting in our new HQ, which may just be a building to some, but to our Society it is the Foundation. He reiterated that we are here to advance knowledge and networking within the Plastics Industry and that we can do this more effectively when we are working together. At the end of the day, we may disagree with one another but we must maintain the respect that we have for one another as together we can change the world.

6. Financial Update (J. Dworshak)

VP Dworshak started by thanking those that are part of the Finance Committee before explaining their charge, including review of the monthly statements and other financial topics that arise. Year to date (September), we are running a deficit operationally which is being offset by a strong investment portfolio, making us favorable to budget year to date. The results are ahead of budget due to diligence in controlling expenses as revenue is slightly lagging. The 2020 budget was presented showing an operation deficit of \$492k. VP Dworshak noted that we continue to see declining membership, lower event revenue and higher expenses. We are surviving but not thriving and we have been negative operationally every year since 2013 (with the exception of 2018). VP Dworshak challenged Council as to what we can do as a whole to put SPE in a better financial position.

There were questions regarding investments and how they should not be the savior and everyone agrees. This begs the fact that we MUST drive top line growth of the Society.

There were other questions about membership renewal and VP Dworshak teed up the fact that the Finance Committee is exploring putting everyone in the Society on the same renewal schedule so that membership dues could be budgeted more effectively.

Councilor Baumann suggested that we explore training as a form of revenue and Councilor Young proposed having SPE vet and recommend training that could be listed on the website that perhaps we could take a cut of the revenue. Councilor Gupta brought up the training that used to exist at ANTEC and asked if something similar could be revived in the future.

7. CEO Update (P. Farrey)

CEO Farrey discussed his trip to K and how he met with the chair of a European Division and asked him why they never show up to Council and the reply was difficult to stomach...that we are arguing about the same issues that we did years ago and that the answers will still be the same. There is clearly a disconnect in the communication channel between staff/EB/Council that needs to be addressed.

CEO Farrey reminded everyone that every Councilor's name is on the 990 that is submitted to the IRS every year. He noted that we just saw and accepted a \$500k deficit budget and that no one asking a question about it is extremely disheartening. It is our (all of Council's) responsibility to help identify and more importantly implement solutions to this problem. We can do anything but we can't do everything so let's work together to find solutions.

CEO Farrey then introduced the new HQ building and the history behind it and mentioned that we will be touring it shortly. He commented that over 10 years, the new HQ will only cost \$10k more and we finally have a building that is in line with the history and pedigree of SPE. He went on to talk about the success at K and upgrades to our software programs including event apps and paper submissions.

CEO Farrey then discussed the HQ Services update. He noted that this is one of the most difficult problems that he has had to tackle in his professional career. He reminded Council that the intent of this task force was to

replace the existing 12% HQ service fee. Somewhere along the line, Chapters began receiving services for discounted rates and in some case free, despite HQ incurring a significant cost. The intent of this program was NOT to create a profit center and NOT to achieve full cost recovery. CEO Farrey thanked the team and reviewed the targeted timeline the team was working against. The original proposal was 3 pre-determine packages that Chapters could choose from with some ala carte options available upon request. When this proposal was presented to the task force, it was rejected because often times the Chapters needed something between the three options. Based on this feedback, CEO Farrey then delivered a second revision to the task force which is being reviewed prior to being presented to Council.

CEO Farrey finished with an update on Plastics for Life. The program commenced in 2014, recognizing plastics products that protect life, enhance the quality of life, and/or sustains life. The winners of the Chapter Awards will advance to ANTEC for a final, global competition. To date, only 5 Chapters have competitions in place and staff has a goal of 12 (2 outside of the US) to hold annual competitions. The ask is for a Task Force (Councilors Czuba and Brosius) to be created to standardize the competition and define the criteria for becoming a champion.

General Q&A focused mainly around ANTEC and the desire to improve the quality of the product being delivered.

8. Governance Task Force Phase 2 Presentation (B. Mulholland)

VP Mulholland reviewed the proposal made by the Executive Board at the September meeting and the proposal put on the Chain by Past President Cameron. He summarized some of the comments that were mentioned on the Chain to set the stage for the task force's work in addition to data that suggests that a smaller governing body is ideal for a Society of our size.

VP Mulholland expanded on the earlier comments by CEO Farrey related to the duties of office for a governing body (Duty of Care, Duty of Loyalty and Duty of Obedience) and how this puts the members of Council in a potential predicament/conflict in their roles. He went on to suggest that decision making becomes sluggish due to the size of our 90 person governing board and the body's time is better spent discussing strategy rather than governance. VP Mulholland reviewed the charge of the original governance task force and the results that came from that work.

After an hour of lively discussion, CEO Farrey suggested that we stop trying to provide solutions and first agree that there was a problem that needed to be addressed. CEO Farrey, by a show of hands, asked how many people felt that the existing model of governance needed to be tweaked and a sizeable number of people in the room raised their hands. CEO Farrey then asked how many people, by a show of hands, felt that the system was perfect just how it is and no one raised their hands. With this, CEO Farrey suggested that we continue to discuss our thoughts over dinner and drinks but for the time being, we need to break to walk upstairs to participate in the historic ribbon cutting ceremony for the new SPE headquarters.

9. Council: RECESS to RECONVENE at 9:00AM (B. Landes)

President Landes **motions** to adjourn until Friday, November 15, 2019 at 9:00AM. Motion is **seconded** and **passes** unanimously.

10. Welcome back and Anti-Trust, & Conflict of Interest Statement (B. Landes)

President Landes called the meeting to order at 09h00 EST. He asked all first time Councilors to introduce themselves before asking everyone to sign their white cards in front of them so quorum could be established.

11. Governance Task Force Phase 2 Continued (B. Mulholland)

VP Mulholland began by recapping yesterday's conversation including our fiduciary responsibility to SPE and the results of the show of hands which unanimously concluded that the current structure needed to be "tweaked".

He then went on to lay out the goals for today which include: 1) the ideal number of Councilors, 2) how to assure that Council retains some level of control to prevent the governing body from going rogue and 3) the role of Council moving forward. Councilor Marginson reminded everyone that there may be possibilities that solve the issues identified by the Executive Board without necessarily selecting one of the two proposals that have been identified by EB.

After considerable discussion trying to get to the heart of the matter at hand, Councilor Brosius addressed Council and stated that there needs to be a level of trust between Council and the Executive Board and any feelings of old that pre-date CEO De Vos need to be forgotten. He described how his level of involvement over the years has never wavered yet he continues to see a drop in membership and attendance at events. He emphasized the level of competition for members' attention from a host of other sources. He stressed the importance of Council focusing on strategic initiatives to reverse this trend less on governance, which slows the organization down tremendously. He stated that Council needs to set the vision of SPE and let the Executive Board execute that vision.

Councilor Haake **motioned** that the composition of the Executive Board remains the same and becomes the governing body of the Society per Bylaw 8.1.1 and other related bylaws as long as safeguards remain in place that enables Council the ability to reverse any bylaw change made by the Executive Board with a 2/3rd vote. Motion is **seconded** by Councilor Marginson. The motion **passes** with two oppositions (Councilors DeLuca and Wyer) and one abstention (Councilor Tarahomi).

12. Council Committee of the Whole Recap (B. Kapur)

Councilor Kapur summarized yesterday's conversation related to Sustainability and stressed that it is important to drive further and come up with actionable items. In addition, there needs to be more sharing of best practices of what is working in the area of Sustainability with all interested parties.

The second topic discussed the struggle for sections to effectively cover their entire areas and bring in new membership in today's ever changing world. Some best practices were shared from sections that are reaching out to local universities and involving them in their Boards while other sections mentioned that they have more open meetings without obligations to lure people in, allowing them to discover the value by themselves.

Councilor Tarahomi came back to the podium and asked for volunteers to make his proposals actionable. Several volunteers were identified and they will work directly with Councilor Tarahomi and other respective leaders.

13. ANTEC Update (P. Farrey)

CEO Farrey updated that ANTEC is well underway and it will be held in beautiful, not-snowing San Antonio. Per Council's suggestion, pre-conference workshops are back on the schedule on Sunday from 1-4PM before the awards reception that night. If there is interest in teaching one of these workshops, please reach out to CEO Farrey. Due to several requests, student posters are back at ANTEC and will be held in conjunction with the awards ceremony. On Monday, the conference will officially start with the general structure of keynotes in the morning, lunch in the exhibit hall and traditional ANTEC papers in the afternoon.

CEO Farrey presented the conference fees for ANTEC and encouraged all Councilors to register early. He pointed out that Board Members have a slight cost increase from last year that is offsetting the addition of free meals and extra receptions that they will enjoy. The cost of each attendee for staff is \$600 without marketing, G&A, etc.

14. Student Centric Event Update (J. Gomez)

President-Elect Gomez talked about the experience that students have at ANTEC and he questioned whether it was living up to their expectations and providing the maximum value. As such, he wants to develop a student centric event, potentially held at HQ, which may include the following:

- A) Poster/presentation session for student
- B) A chance for companies to present themselves
- C) Speed interviews

President-Elect Gomez captured other Councilor feedback via a brainstorming exercise that he will publish on the Chain for further comment.

15. VP Marketing and Communications Update (C. Carlin)

VP Carlin reminded the board of membership calls to do something as it relates to sustainability. As a result of this charge, more people are getting involved as evidenced by the surge in activity on the Chain as it relates to sustainability. VP Carlin informed Council of President Landes' efforts with the Alliance to End Plastics Waste and how discussion is ongoing to leverage SPE's ability to provide un-biased, data-driven knowledge sharing.

Additionally, VP Carlin formed a global team passionate to the efforts of Sustainability to draft a positioning statement for SPE. As such, they recommended:

"SPE, the leading society for global plastics professionals, is fully committed to environmental stewardship and sustainability through three major areas of focus: 1) the continued research and development of plastic materials, technologies, and products that minimize negative impacts on the environment while remaining fit for purpose: 2) a dedication to objective and data-driven education programs for governments, NGO's, academia as well as public and private stakeholders: 3) the creation of local, regional, and international networking events to promote the exchange of best practices across the entire plastics value chain."

Questions were related to how the statement can be used in the future and CEO Farrey mentioned that the marketing team is developing a release strategy and once complete, it will be disseminated to Council so that there is a unified and consistent message being delivered to all of our constituents.

A comment was made about practicing what we preach and VP Carlin mentioned that upon moving into this new facility, staff has worked with the building ownership to put in place practices that will enable us to do so.

16. VP Divisions Update (J. Lyons)

VP Lyons took care of some housekeeping issues and **motioned** for Council to approve a charter to the Building and Infrastructure Division-in-formation. There was a question related to what they do and Councilor Gupta talked about pipes, siding, tanks and anything related to the building and construction industry. As there is overlap with several existing Divisions, they are focusing on joint sessions to enhance member value through collaboration. They have been a SIG for 7 years and are up to 70+ members. The motion was **seconded** and **passed** unanimously.

17. VP Sections Update Report (T. Haake)

Councilor Haake took care of some housekeeping issues related to SPE sections. He **motioned** that the following sections be moved to provisional status: Israel, Korea, New York, Kansas City, Smokey Mountain and Tennessee Valley and that the following sections move from provisional to abandoned: Toledo and Great Salt Lake and that Council approve the establishment of the Lakehead University Student Chapter. The motion was **seconded** and **passed** unanimously.

Councilor Haake strongly encouraged all Councilor's to present the findings of Council meetings to their constituents as there is word circulating that this is not always the case. Additionally, Councilor Czuba asked for

President Landes to re-instate time for Sections and Divisions to meet at Council. President Landes responded that with less governance moving forward, this could easily become a reality.

18. SPE Foundation Update (E. Vitale)

Foundation Director Vitale re-stated the mission of the Foundation for newer Councilors. Eve talked about the primary focused of the Foundation which includes: scholarships, grants, Hopkits and PlastiVan. She noted that there is a 30% increase in scholarship applications across more than 20 universities. The 2019 scholarship winners came from a variety of schools and 50 were given totally \$113,250?

The statistics for PlastiVan were highlighted, showing favorable growth across the board. Director Vitale showed an increase of 18.2% for students served, 10.1% for schools involved, 19.0% for visits and 17.2% for sponsors. PlastiVan is introducing wonder to young students and changing the perception of plastics one class room at a time. In talking to students, you have to make it about them..."what do I give up if I give up plastics", which opens their eyes quite a bit. Additionally, they ask questions related to innovations, salaries and impact on their everyday lives.

Director Vitale is asking for help in donations from our respective chapters and companies. There will be a Giving Tuesday campaign and she asked for everyone to consider joining her in this effort. Additionally, she is requesting Ambassadors to promote this in their areas. When discussing this aspect, there were questions related to resources that are available, particularly videos and cheat sheets that enable a scientist to change their angle of approach to make more of an impact within the classroom. Additionally, there was a suggestion to create a list of references/resources/goodies that could either be shipped or downloaded by interested parties. Doing so, it potentially lessens the burden placed on an extremely small staff without impacting the reach of the services provided.

19. Old Business / New Business (B. Landes)

For old business, there was a question related to the mentorship program and CEO Farrey said the champion of the program resigned and staff is looking for a volunteer to help evaluate and move the program forward.

For new business, there was a suggestion to evaluate having Council after ANTEC and staff will look into it and see what is possible for future ANTEC's.

20. Adjournment for Next Meeting (B. Landes)

Present Landes **motioned** for adjournment at 12:17PM and noted our next meeting will be held in San Antonio on March 28-29th, 2020. The motion was **seconded** and **passed** unanimously.

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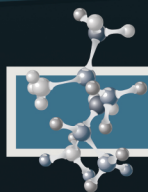
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Board Meeting Minutes – January 6, 2020

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

Present: Larry Stanek, Keith Pelfrey, Gary Taylor, David Schultz, John Fellenstein, Joe Mattingly, Bob Weiler, Nicole Fraifogl and Bob Wegelin

Absent: Tom McQuaide, Tony Dean, Kevin Malpass, Viv Malpass, Sahil Gupta, Sherri Hart, Josh Seylar and Dan Jones

Review from President.

Larry informs he continues to be excited about this year as we move forward and develop new venues for our membership and as well continue to seek out new BOD members.

Minutes from December

Reviewed and passed.

Technical Program 2019/20—Larry Stanek

Larry reminds to please invite at least one colleague or contact to monthly meetings a new SPE Year. Confirmed all set for Jan 13- joint SPE/ACCESS meeting at Hilton. Program flow has been modified as we had cancellation- health/family issues- Topic Jobs in the Engineering work space considering Apprenticeship programs. David Schultz informed a recent contact during travels very interested in Apprenticeship and has HR and Technical background in a number of industries has great interest to help-Becky Doggett not able to attend. We have also connected with Ohio Means Jobs and Conexus NEO that will participate. In addition plans to make contacts with HR contacts in various local business. February meeting set Polymag -Cleveland. In the process of confirming March 9th topic- NASA- K Pelfrey has made contact and confirmed NASA engineering oriented talk will follow up for topic. April meeting Smartshape Tour set-up with Cleveland. May -Awards banquet set at Firestone CC.

Dan informs E-Week is set for Feb 20- he will be attending E-Week monthly meetings- led this year by Highway Group. We would like to have a good representation from the BOD attend this year's meeting as we plan for 2023 when SPE hosts.

House—Gary Taylor/Bob Wegelin

Gary confirms locations set for Jan, March and May Awards at Firestone.

Technical Program 2020/21—

Need President-Elect for 2020/21.

Larry has requested all BOD Members think of themes and subjects for future meetings as well potential meeting led by Akron Student Chapter.

Determined that for now BOD joint Committee led discussions would be best way forward for next year to include: Advances in Technology and Engineering, try to engage Student Chapter/ PESO, NPIC and local area companies- will discuss opportunities with Cleveland.

Hands on – Engineering oriented meeting, involves students to greater extent and 3D Printing.

Nicole noted a medical potential talk with Cleveland based 3D Heals.

Keith Pelfrey note U of A Professor doing work on bio based films.

Jeff Hoffman was as well mentioned as potential speaker Innovation and World travel.

Joe Mattingly has suggested a Goodyear visit and public oriented “green” Tire presentation- Soybean oil containing tires and as well Extrusion Mini Conference- Twin screw and Continuous mixing plus potential for 3D Printing visit.

Social Fund raiser was also mentioned as something we should consider- could aid in raising scholarship monies.

Board Meeting Minutes – 1/6 continued

Membership—Nicole Fraifogl

Reports last month at 261 members.

It was noted that we are now close to a popular time used for renewal.

BOD Interested to review membership demographics to help us with planning- Sherri Hart to aid Nicole.

Review in process to determine what else we might do to help track and determine reasons for not resigning and why Akron located members not signing up for Akron with new mode at Intl.

Treasurer—Gary Taylor

Gary Reports he is up-to-date on Financials, finalized review of Expenses up-to-date through December including Vinyltec Conf.

Kevin Cavicchi informs as Treasurer of IPEC that he will soon be providing return of monies sent to Polymer Ambassador, as the program has been discontinued after 30 years. Thank you goes to Dr. Viv Malpass for his ingenuity and foresight!!

Joe has completed his review of SPE Akron 2018-19 and will return books to Gary Taylor.

Councilor—Kevin Malpass

Kevin informs he is awaiting any added feedback after review of highlights from Council Meeting Nov 14-15 at Danbury, Conn. headquarters.

He also informs that John Fellenstein will sit in as Proxy for Akron section at upcoming ANTEC for Kevin as he will be on travel.

I wanted to report some observations / key takeaways from the most recent Councilor meeting.

Financials: - need to focus on revenue generating programs – TopCon's, Plastics for Life, HQ Services Fee – no official proposal was given more "equitable" fee for services.

"Plastics for Life" program: competition with other Chapters – we need to investigate this further and participate if possible.

The major topic of the meeting was "Governance" potential Council / Chapters would lose their voice.

We have as well noted the key education program that is gathering great interest as PlastiVan.

Student Chapter—Joshua Seylar

Joshua Seylar confirms Tour Lubrizol- Wickliffe location will take place Jan 31.

Plan to as well have PESO meeting- requested speaker to address careers and also would like to consider participation in putting on a meeting student led for new year.

ACCESS per Dan Jones is now reaching out directly to student run science/ engineering based groups- for aid in helping the BOD Directors and Officers.

Public Interest/Website/Newsletter—Tony Dean

Tony informs that he is up to date.

BOD discussed opportunity to provide advertising from companies that we Tour free for year with subsequent charge in the following year- Larry Stanek to check with ENTEC/Ravago - in process.

He would as well like to get more advertisers, suggested to contact Recruiters and speakers at Jan Recruitment oriented meeting- for free advertising. He has developed short articles for West side Leader and other papers.

BOD suggests potentially touching bases with companies that we will be touring- mostly Cleve based for advertising on Akron website.

Call for Papers has been sent out for TPE TOPCON set for Sept 15-17 2020.

Board Meeting Minutes – 1/6 continued

National Awards—Larry Stanek

Larry noted that he no longer sees Pinnacle Award listed on website and instead sees something very general-Product Awards ie Plastic oriented public relations??

Larry reports along with Keith we have now submitted Bob Weiler for this year Honored Service Member should have updated status by mid January. Plans for next year to nominate Joe Mattingly.

BOD discussed that standards set by principals of old Pinnacle Awards were key and critical to the well being of a vibrant section.

Section Awards—Keith Pelfrey and Sherri Hart

Keith reports the Hall of Honor and Awards set for May. We need to start to gather potential candidates for Zekan and Hall of Honor.

Sherri informed she would help Keith with Awards for May.

BOD has set in motion new named Scholarship for 2019.

Education Committee—John Fellenstein

John informs that transcripts are due and checks will soon be sent of the all scholarship awardees.

Review was done as to graduating scholarship winners and plans for the following year to fill in those available scholarships.

John noted a number of Science Fairs coming up

Jan 25- Akron Public- Ellet HS this year plans to provide for projects- Nicole Fraifogel

Jan 31- NEOHSTEM- Kent State- Sheila King- ACESS contact

Feb 29- Goodyear STEM Day HS- Joe Mattingly contact

March 21- District 5 Science Fair- John Fellenstein- SPE providing donation for support as in the past.

Dan Jones will handle liaison of Science Fairs as Education Outreach- ACESS and SPE.

John informs he has PlastiVan visits scheduled early this year Stow and Copley-Fairlawn.

Education Foundation—Joe Mattingly

Joe informs that he has received beginning month report and all is going well in Foundation. He will soon be supplying monies for students. He suggests as we align for future that we protect/grow and be more active in our pursuit to enhance our Education Foundations growth. He plans a follow up meeting soon with Advisor set for Jan 22. In process of modernizing Bylaws.

Growth Committee—

Revived Kevin Malpass along with help from Keith Pelfrey, Sherri Hart, Joe Mattingly and Sahil Gupta.

Kevin informed that the committee has met and come up with list of Action items- BOD please review and supply appropriate input to Kevin and his committee. He recently reviewed importance of future ideas for Akron Section as still IMPORTANT area. Plans to review past discussed ideas from previous committee.

2020 TPE TOPCON—David Schultz/Co- Chair with Bill Blasius- Rogers Corporation and Homaira Nassem from Alpha Gary- Tony Dean- Intl Office contact

All is on schedule with next Committee meeting set for Jan 7 530 PM Hilton.

ACCESS Update

ACCESS has completed additional website oriented changes logistics issues and carried out two sets of training for new website- Tony Dean SPE and ACS, IEEE and several other societies have carried out one on one training with Sheila King- President ACESS/Webmaster.

Joint ACESS/SPE Meeting set for Jan 13- Training/Recruiting and Apprenticeship.

Board Meeting Minutes – 1/6 continued

Old Business

Nicole has suggested and will reach out to various groups in extended Akron section territory- Youngstown State and Ashland University.

Plans to make contact with local industrial contacts for help determining proper engineering- plastics oriented person at Ashland and proper contact at YSU- David Schultz will handle.

Potential topics additional projects:

E- Week- Akron on schedule for 2023- still need to have brainstorming- as to Special projects to highlight- PlastiVan outreach, Student Chapter. Anticipate that SPE will need to expand into undergraduate contacts- awards plus added Graduate Awards.

Meetings scheduled for 1st Monday of Month- same as SPE BOD dates- Dan Jones will be attending for Akron Section.

Status on Marcos project for two monitors in PEAC- Josh reports he has now placed information on SPE Akron in the PEAC and also expanding to Polymer Science Building , NPIC and Chemistry.

Sherri Hart informs that she is discussing with ExxonMobil potential to aid in Sponsoring levels for TPE TOPCON 2020.

Need to revise Akron Section Bylaws- Nicole will handle with Joe Mattingly as he will be reviewing Bylaws for Education Foundation. May need to determine added help- perhaps Student Chapter.

Nicole informs Eve Vitale- Education Foundation- Intl SPE will soon be developing a presentation for the Foundation.

Meeting Adjourned 7:00 PM – Next BOD Meeting set for February 3, 2020 at PEAC 5:30PM.
D Schultz will not be present (vacation) - need minutes taken.

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Programs for 2019 / 2020

- Sept. 9 **Nova Chemicals**
How Resins are Produced
-- Hilton Fairlawn - Akron *
- Oct. 1-3 **VINYLTEC**
-- Hilton Fairlawn - Akron *
- Oct. 14 **Tymex**
Plant Tour
-- Harvard Ave, Cleve. - Cleveland *
- Nov. 11 **ENTEC Resins**
Plant Tour
-- Route 18, Medina - Akron *
- Jan. 13 **ACCESS – Technical Recruiting Roundtable**
-- Hilton Fairlawn - Akron *

- Feb. 10 **Polymag**
Presentation
-- Twinsburg Hilton Garden - Cleveland *
- Mar. 9 **NASA Glenn**
Bryan Smith, Director of Space Flight Systems
-- Hilton Fairlawn - Akron *
- Apr. 13 **Smartshape**
Plant Tour
-- Rockwell Ave - Cleveland *
- May 18 **Akron Section Awards Night**
-- Firestone Country Club
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*Meetings are joint with Cleveland Section with host section denoted by **

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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.

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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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