



TRENDS & TOPICS

DETROIT SECTION - SPE INSPIRING PLASTICS PROFESSIONALS - "THE CHARTER CHAPTER"
VOLUME 63 NUMBER 1 • MARCH 2019



THE DETROIT SECTION
THE CHARTER CHAPTER
WELCOMES

**ANTEC® 2019
TO DETROIT**

INSPIRING
PLASTICS
PROFESSIONALS



Detroit SPE Judges Wayne Hertlein and Keith Siopes Support the 2019 Michigan Regional Future City Competition (See page 15 for details.)

IN THIS ISSUE

President's Message – Eve Vitale 3

Chase Plastics Partners with Jabil 4-5

Detroit SPE Co-Hosts ANTEC® 2019 in Detroit..... 6

Irv Poston Honored with a
Named Scholarship at the SPE Foundation..... 7

2018-19 Detroit SPE 75th Anniversary Scholar
My Career Aspirations in the Plastics Industry –
Morgan Arnold..... 8

2018-2019 Detroit SPE Scholarship Recipients.... 8-10

2019 Scholarship Application..... 11-12

Auto EPCON 2019..... 13

Schoolcraft College Hosts STEM and
Manufacturing Events – Armando Sardanopoli..... 14

2019 Michigan Regional Future City Competition ... 15

TPO 2019 Call for Papers 16-17

SPE Detroit 2019 Golf Outing 18

2019 Schedule of Events 19

TPO Shanghai 2019 20

Best Financial Practices for SPE Chapters –
Jeremy Dworshak, SPE VP Business & Finance..... 23

Detroit Section Executive Board
and Committee Members 24

PRESIDENT'S MESSAGE

EVE VITALE, SERIES ONE LLC



Dear ANTEC® Attendees:

The Detroit Section (#001) welcomes you to Detroit - the birthplace of our beloved Society of Plastics Engineers. We're proud to be the co-hosts of ANTEC® this year and hope to make your time spent in our city a memorable one.

We're also proud to be the charter chapter of this global organization that serves the plastics industry with technical knowledge, a network of industry professionals, and the support to aid in the development of plastics professionals across all disciplines.

In Detroit we have an active Board and membership who work tirelessly to deliver the very successful Auto EPCON and TPO Conferences annually. We also host a charity material auction and a golf outing to help us fund our many educational initiatives which include numerous scholarships, an essay contest, several student SPE chapters, several universities and college laboratories and programs, over 40 PlastiVan® visits a year, and the Future City contest. In the last 20 years our contributions to plastics education has grown well over \$1,000,000.

Thank you for your participation with SPE. Together we can continue to Inspire Plastics Professionals around the world!

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CHASE PLASTICS PARTNERS WITH JABIL TO OFFER 3D PRINTING MATERIALS

SHERRY CUDD, CHASE PLASTICS

Tucked underneath the Chase Plastics' logo, you'll see the phrase "Redefining Resin Distribution®." The phrase is more than a tagline; it's the Company's credo and rings true even after being in business for nearly 27 years under the same ownership. Chase Plastics is renowned in the industry for going above and beyond for their customers by offering value-added services that range from custom blending, personalized technical insight and, now, the addition of 3D printing materials to their already expansive product portfolio.

Forming a new, unique partnership with Jabil, Chase Plastics is now an authorized distributor for Jabil Engineered Materials, the line of engineered materials for additive manufacturing designed to improve the performance, durability, and tolerance of 3D printed production parts. The benefits are far-reaching — and exponentially valuable — giving customers advantages in costs, prototyping, quality control, validation and, ultimately, production.

PROOF POINTS

Although it's a technology that was introduced dozens of years ago, the accessibility and usage of 3D printing in manufacturing and fabrication industries has risen in recent years due to technology advancements, environmental impact and the ability to reduce cost. The benefits of 3D printing jigs, fixtures and tooling include:

- 80% lower cost than traditional machining
- 80% faster turnaround than machined tooling with an outsourced vendor
- Improved efficiency through scrap reductions
- Better utilization of limited tool room resources
- Enables lean manufacturing
- The ability to quickly address issues and make changes

Where many industries may find major benefit from the reduction in costs, 3D printing (or additive manufacturing) may be the key to getting products to market faster –

with an 80% faster turnaround for tooling operations. For Chase Plastics, this fills a unique void that provides customers accelerated solutions by delivering unique and custom materials at scale – enabling engineers and designers to test product requirements and validate for manufacturability in next to real-time. With consumer demands and regulations frequently changing, this process is proven to be ideal for product applications in industries that require stringent specifications and shorter lead times, such as healthcare, automotive, aerospace and industrial.

THE ADDED VALUE OF ADDITIVE MANUFACTURING

With decades of experience helping their customers find ways to be efficient, nimble and competitive, the addition of these specialty filament and powder materials to Chase's product portfolio creates new and invaluable opportunities for their customers. "By partnering with Jabil, we are broadening our portfolio with high-quality materials for 3D printing to help our customers focus on driving productivity and reducing costs," said Chase Plastics' Vice President, Adam Paulson. "The fact that Jabil chose Chase Plastics as a distributor because of our reputation of service, technical expertise and professionalism is an incredible opportunity in which we are both honored and excited."

Providing customers with technical insight and support is something Chase Plastics prides itself on. Getting "hands-on" has been a prerequisite when troubleshooting or guiding customers through the material selection process. With their own Ultimaker S5 3D printer on-site at their Clarkston, Michigan, headquarters, Chase's technically skilled staff and Application Development Engineers are ready to begin offering customers prototyping assistance and material troubleshooting support. The underlying idea and ultimate goal is to help customers recognize the value proposition of purchasing their own 3D printer for their products, business, and even their own employees. The possibilities of 3D printing are limitless – energizing not only cutting-edge product designs, but people. The opportunities, potential, and high-profile

technology are appealing to not only young, talented engineers but to inventors and entrepreneurs, attracting both potential employees and customers.

This new partnership isn't just an exciting opportunity for Jabil, Chase Plastics and its customers - it's one more way Chase has lived up to its commitment to being responsive to their customers' needs by continuously helping them transform resin into reality.

To learn more about Jabil Engineered Materials for additive manufacturing available through Chase Plastics, please contact Chase's dedicated technical service team at 844-411-CHASE or email them at 411Chase@chaseplastics.com. You can also visit their website at www.chaseplastics.com to learn more.



Chase Plastics is now an authorized distributor of Jabil Engineered Materials for additive manufacturing.



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Where Plastics Professionals Connect

Engaging with plastics industry professionals around the world to find solutions to your technical questions.

thechain.4spe.org

www.sustainability.4spe.org

spe INSPIRING PLASTICS PROFESSIONALS



THE DETROIT SECTION COMMITS OVER \$150,000 TO SPE INTERNATIONAL AND THE SPE FOUNDATION

IN 2018 THE SPE DETROIT SECTION COMMITTED \$66,700 TO THE SPE FOUNDATION IN SUPPORT OF PLASTIVAN®.

The Detroit Section's long history of PlastiVan® sponsorship has led to a growing awareness and demand for plastics education in the greater metro-Detroit area and beyond. The Section has supplemented the impact by sponsoring an annual essay contest for middle and high school students which explores the "wonders of plastics," and has started a two-year plastics education program at Schoolcraft college which is graduating its first class this year.

The PlastiVan® gift is part of a larger package totaling more than \$150,000 which includes a \$25,000 ANTEC sponsorship, \$6,000 to national support for Next Gen, \$5,000 for general SPE support, and the \$50,000 Irv Poston Scholarship.

In 1993, Irv Poston was recognized as a "Distinguished Member" of SPE, the society's highest honor given for lifetime achievement. He has been a member for 61

years and is an Emeritus Board Member for the Detroit Section. Sandra McClelland, Detroit Section Education Committee Chair, who advocated for Irv's scholarship said, *"Irv Poston is very well known in the automotive plastics industry. Having worked 42 years at GM, his team was heavily involved in developing sheet-molding compound and reaction injection molding equipment, processes, and applications. The years of expertise and knowledge that Irv has is irreplaceable and he has positively affected many plastic professionals during his lifetime."*



PlastiVan®

Changing The Perception Of Plastics One Classroom At A Time

WOULD YOU LIKE THE PLASTIVAN® TO VISIT THE SCHOOL IN YOUR AREA?

Schedules for the 2018-2019 school year are being made now!

Tom Miller
thomas.miller@basf.com

Julie Proctor
PlastiVan® Program Coordinator
jproctor@4spe.org

TRIBUTE TO IRV POSTON

BY LYLE BEADLE



"How do you feel about Sanders hot fudge sundaes?" I asked Irv Poston as I walked into his apartment at Sunrise Senior Living facility. His eyes lit up and he smiled when I gave him the sack with the sundae inside. Now, the reader must understand, Irv Poston is 85 years old, and I had to squeeze into his calendar for an appointment.

My purpose was to interview Irv and gain information for the content of this tribute article intended to shed clarity on Irv's motivation as a high-level contributor to the Detroit SPE Section and the Plastics in Automotive Division (PIAD). I learned that Irv is as dedicated now as he was at the beginning of his career, and still attends SPE meetings, functions, and serves as a mentor to many current SPE members.

Irv's education credentials come from Purdue University in West Lafayette Indiana where he earned both a bachelor's degree in Mechanical Engineering and a master's degree in Industrial Engineering. He was hired by GM's Allison Division to work with plant layout and steel stamping machines. What is most curious is that Irv's Master's thesis focused on plastics molding after visiting a plastics molding company. Plastics usage was in its infancy in the mid 1950's, and centered around epoxies, thermosets and polyesters.

Irv's avocation was and is all about "pushing people to do more and keep getting better; to self-fulfill". He strongly believes that "a person's passion is more important than their expertise". Curiosity has driven him from the beginning, and he continually looks for new ways to put things together, always asking the question "why not?" He cites his main motivation for his interest in plastics engineering was the constant pursuit of refining plastic material composition and plastic molding processes to advance more cost-effective solutions. Therefore, he associated with many gifted engineers and has held many leadership positions, including at ANTEC® Conferences where he organized and created challenges for participants.

Irv led GM's plastic group, is considered an expert in the plastics field, and hired many talented engineers. One of his hires, Mike Liedtke (now retired), remembers

Irv's constant encouragement to look at new systems which represented higher-performance and lower-cost products. Mike told me that when his group needed funding for tooling to prove out new plastic materials, they would schedule the meeting just after lunch and place a Sanders hot fudge sundae on Irv's desk to put him in a receptive mood. Mike's team strategy was very effective and a list of successful plastic development programs at GM ultimately landed Mike in a position as his boss's counterpart.

A metaphorical anecdote Irv recalls illustrates the overall theme that underscores his philosophy. At one point in his career, Irv encouraged a GM vice president to authorize construction of a walkway connecting the GM Research, Manufacturing, and Engineering buildings at the Warren Tech Center. Such a simple action; but important to facilitate



communication and cooperation among three key groups for plastic part production development. His belief that "not being a chemist", enabled him to avoid the traps of "never done it that way" and "not invented here (NIH)" syndrome. He and his staff innovated many plastics applications such as Saturn fenders, plastic parts for the Sport Oldsmobile Omega, RIM bumpers, and the all-plastic Fiero body. His engagement with all interested parties and associates, expanded his outreach and began his involvement and leadership role with the Society of Plastics Industry (SPI). He still publicly promotes to anyone who will listen to think "out of the box" to lead to new and innovative solutions.

Friends, business associates, and the Detroit Society of Plastics Engineers hold Irv Poston in such high esteem that an SPE Foundation scholarship in his name has been established to financially assist graduate students pursuing degrees in plastics and automotive application development. Even at the venerable age of 85, Irv remains focused on the future. Speaking of which, it is now time for Irv's next appointment and after that, enjoying his Sanders hot fudge sundae.

Detroit SPE Salutes Irv Poston!

2018-2019 SPE DETROIT SCHOLARSHIP WINNERS

The Detroit SPE Section's annual scholarship program supports students who desire a career in the plastics industry. This year we awarded 21 students \$46,500 in scholarships.

SPE 75TH ANNIVERSARY RECIPIENT:



Morgan Arnold
Central Michigan University
Senior
Industrial Engineering
\$5,500

MY CAREER ASPIRATIONS IN THE PLASTICS INDUSTRY

By Morgan Arnold, SPE 75th Anniversary Scholar

On May 7th, 2016 I crossed Mid-Michigan Community College's stage receiving not only my very first college degree, but the first college degree ever received in my family. After receiving my associate degree in Plastic Engineering Technology, I decided to continue my education at Central Michigan University. My educational goals at CMU include receiving my bachelor's degree in Industrial Engineering in May 2019, expanding on volunteer opportunities, and upholding my position as a college co-op at The Dow Chemical Company.

My previous studies have inspired me to investigate the field of material science. Along with fulfilling the requirements for my bachelor's degree in Industrial Engineering from CMU I will be taking elective courses in material science.

I believe that giving back to your community is a vital part of any learning experience. While enrolled at CMU I would like to involve myself in as many volunteer opportunities as my schedule allows. In 2016 I had the honor of receiving the title as president of the student chapter for the Society of Plastic Engineers for Mid-Michigan Community College. Together as a chapter we worked on ways to excite

local youth about the opportunities in engineering and manufacturing of plastics. In our chapter we can hold office positions for one year before passing our responsibilities on to someone new. Since I delegated my work to the 2017 president I have been able to continue my volunteering as an SPE chapter member. A current project I'm working on is re-making the Alden B. Dow unit blocks with the Dow Foundation and Mid-Michigan Community College. This project is extremely exciting and has provided me with an amazing learning experience.

Growing up in the heart of the world's Thermoforming Capital also known as Beaverton Michigan, plastics provided me with a strong community and interest in developing innovative ideas. My career aspirations in the plastics industry are in the areas of becoming an industrial engineer, solutions engineer, or production planner for plastics materials. I am dedicated to help develop sustainable polymeric materials that can exhibit innovative mechanical properties. I understand that I have rather ambitious goals but truly believe that I will make them happen.

I recently was honored to accept the 2017 Dow GEM award. Nominations for this award originated from my coworkers and are reviewed by management. I was the first college co-op to receive such an award and one in which I take great pride.

In conclusion I believe I would be a great candidate for this SPE scholarship. If selected these scholarships would positively impact my family and help me pursue my goals and dreams in the plastics industry. Thank you so much for your time and consideration.

REG BELL RECIPIENT:



Daniel Pisarski
University of Michigan
Junior
Mechanical Engineering
\$5,000

DELTA POLYMERS SCHOLARS:



Calloway Salmon
Kettering University
Senior
Mechanical Engineering
\$3,500



Antonia Chin
Kettering University
Senior
Mechanical Engineering
\$2,500



Emily Acs
Kettering University
Senior
Mechanical Engineering
\$2,000

No Photo

Mitchell DeNooyer
Michigan State University
Junior
Mechanical Engineering
\$1,500



Kevin Anthony
Michigan Tech University
Senior
Mechanical Engineering
\$2,500



Karl Finkbeiner
University of Michigan
Junior
Mechanical Engineering
\$2,000



Nicholas Boynton
University of Detroit Mercy
Senior
Chemistry
\$2,000



Khari Gray
Kettering University Junior
Industrial & Mechanical
Engineering
\$1,500

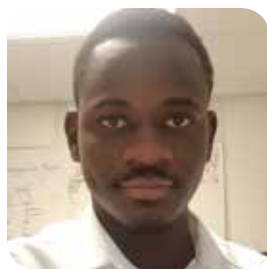


Blaise Burmania
Ferris State University
Junior
Plastics Engineering
Technology
\$1,500



Brandon Gurrell
Kettering University
Junior
Mechanical Engineering
\$1,500

018-19 SCHOLARSHIPS: (CONT.)



Navardo Henry
Kettering University
Sophomore
Industrial Engineering
\$1,000



Joshua Nelson
Kettering University
Senior
Mechanical Engineering
\$3,000



Patrick Horal
Manufacturing Engineering
Freshman
Ferris State University
\$750



Alexander Payne
Ferris State University
Senior
Polymer Science & Plastics
Engineering
\$3,000



Jordan Howell
Kettering University
Junior
Industrial Engineering
\$1,500



Owen Ross
Oakland University
Sophomore
Mechanical Engineering
\$1,000



Ayaz Khan
Michigan State University
Senior
Mechanical Engineering
\$2,500



Sahil Shah
University of Michigan
Freshman
Manufacturing Engineering
\$750



Kaitlyn Money
Bellevue University
Junior
Mechanical Engineering
\$1,000



Jillian Ulinski
Kettering University
Sophomore
Oakland University
\$1,000

Detroit SPE Awards numerous scholarships every year to deserving students who want a career in the plastics industry. The deadline is AUGUST 5, 2019. For more information see our website: www.spedetroit.org



The purpose of the Society of Plastics Engineers Detroit Section Scholarship is to provide funding for students attending an eligible Michigan college or university while demonstrating a high level of career interest in the Plastics Industry.

Eligibility Criteria:

1. Students enrolled at either a four-year college/university or two-year community college degree program (minimum requirements of six credit hours per semester) pursuing a career directly related to plastics (i.e. Plastics Engineering, Polymer Engineering/Science, Packaging Engineering, Material Engineering/Science, Composite Materials and Structures, Chemical Engineering, Chemistry or Mechanical Engineering).
2. Active SPE student member including active membership in your schools SPE Student Chapter if applicable.
3. Applicant has not received or anticipates receiving any other scholarship from the SPE during the current award year.
4. Applicants must maintain a minimum cumulative grade point average (GPA) of 2.8 (4.0 scale) from the prior school year.
5. Applicants must demonstrate a high degree of intent to pursue a career in the Plastics Industry.

Eligible Colleges/Universities:

College for Creative Studies
Delta College
Eastern Michigan University
Ferris State University
Focus Hope University
Kettering University
Lawrence Tech University
Macomb Community College
Michigan State University
Michigan Technological University

Mid-Michigan Community College
Oakland Community College
Oakland University
Saginaw Valley State University
Schoolcraft College
St. Clair County Community College
University of Detroit Mercy
University of Michigan
Wayne State University
Central Michigan University

Application Procedure:

To be considered for a SPE Detroit Section Scholarship, applicants must submit a complete application package (**electronic copy preferred**) by August 5th, 2019 as outlined in the application checklist. Application and all checklist documents must be sent together via hard copy or eMail to the 2019 Scholarship Committee Chairperson (Tom Miller).

2019 SPE DETROIT SECTION SCHOLARSHIP APPLICATION



Awards:

Scholarship awards will range from \$500 to \$4,000 annually at the discretion of the SPE Detroit Section Scholarship Committee. SPE Student Chapter officer participation can increase the amount of funds awarded. Scholarships are valid for 1-year and recipients must submit a new application each year to be considered for future scholarship awards. All scholarships will be reimbursed once registered transcripts have been received from the university/college showing that all requirements have been fulfilled.

All Society of Plastics Engineers Detroit Section scholarships are rewarded without regard to race, sex, religion, age or national origin. The Society of Plastics Engineers Detroit Section will not award scholarships to applicants whom they deem are not qualified and reserve the right to not award scholarships in any given year as it so chooses.

Please don't hesitate to contact me if you have questions or need additional information.

Tom Miller – SPE Detroit Section Scholarship Committee Chairperson

BASF Performance Materials

1609 Biddle Avenue

Wyandotte, MI 48192

Thomas.Miller@basf.com

586-291-5289





AUTO EPCON

Troy, Michigan • May 7, 2019

Presented by SPE Detroit Section, SPE Automotive Division,
and SPE Injection Molding Division



PUSHING THE BOUNDARIES

CALL FOR PAPERS

Auto EPCON is looking for presentations on engineering plastic materials for additive manufacturing, lightweighting, battery components, electrical components, carbon fiber thermoplastics, new polymer developments, and predictive engineering. Also, new engineering plastics for electric, hybrid, and fuel cell vehicles, and more.

Submit now at
4spe.org/AutoEpcon

REGISTRATION IS OPEN!

The SPE Detroit Section, the SPE Automotive Division, and the SPE Injection Molding Division are pleased to announce the fourteenth annual Automotive Engineering Plastics Conference and Exhibition (Auto EPCON) on May 7, 2019 at the Detroit Marriott Troy located in Troy, MI.

There is no more effective event to meet, network, and learn with the most influential engineers and scientists involved in specifying, designing, and recommending engineering plastics.

Sponsorship and exhibitor opportunities are also available!

More information:
4spe.org/AutoEpcon

SCHOOLCRAFT COLLEGE HOSTS STUDENTS FOR MANUFACTURING AND STEM EVENTS

ARMANDO SARDANOPOLI



Last fall Schoolcraft College hosted two STEM programs for young students to expose them to the possible career paths in various manufacturing technologies. Five hundred middle school students were involved in Manufacturing Day on October 5th. The students visited two manufacturing companies and then came to Schoolcraft College for lunch. They were divided into groups for a tour of the skilled trades labs. The students had an opportunity to tour the welding lab, metal machining lab, electronics lab, plastics technology lab, CAD/3D Printing lab, and the mechatronics labs

where they learned about how each was related to job opportunities in manufacturing.

On October 26th and 27th Schoolcraft College hosted its third annual Mind Trekkers program - a STEM program coordinated by Michigan Technology University. On Friday over 2,500 middle school students participated and on October 27th over 700 students with their parents came to an open-house event.

The program consisted of local companies and engineering societies demonstrating their products and running experiments as the students and their parents toured the main exhibit areas and the manufacturing labs. The labs were running allowing students to experience testing and manufacturing and some even produced parts to take home.



2019 MICHIGAN REGIONAL FUTURE CITY COMPETITION



Detroit SPE is a long-time supporter of the Michigan Regional Future City Competition now in its 24th year. This national competition engages 40,000 students in 42 states and 4 countries.

Judges for SPE this year included Dr. Sassan Tarahomi, Keith Siopes, Dennis VanPoppelen, Kelly Beauchamp, Erin Miedema, and Wayne Hertlein. The winners gave great presentations that were engaging and showed their talent and understanding of the project.

- 1st Place – St. John Lutheran – Rochester
- 2nd Place – Trinity Lutheran School – Utica
- 3rd Place – St. Valentine School – Redford
- 4th Place – Navigator Upper Elementary School and Pathfinder Middle School Pinckney Community Schools – Pinckney
- 5th Place – Pierce Middle School – Grosse Pointe Park

Detroit SPE gives a special award each year:
Incorporation of Plastic Material Award

- Winner – Dewitt Middle School, Team 2 – Dewitt



Detroit SPE Incorporation of Plastic Material Award – Winner Dewitt Middle School



Detroit SPE Board Member Keith Siopes Talks to Future City Contestants



Detroit SPE Future City Judges



2018 SPE TPO AUTOMOTIVE
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EXHIBITOR



CALL FOR PAPERS

EXHIBIT & SPONSORSHIP OPPORTUNITIES

Abstract Due: April 8, 2019 • Presentations Due: July 12, 2019

ATTEND THE WORLD'S LEADING ENGINEERED POLYOLEFINS FORUM

Now entering its third decade, the show is the world's leading engineered polyolefins forum featuring 70+ technical presentations, keynote speakers, networking, receptions, & exhibits that highlight advances in polyolefin materials, processes, and applications technologies as well as a growing range of thermoplastic elastomers (TPEs) and thermoplastic vulcanizates (TPVs). This year's conference will be held **October 6-9, 2019** at the Troy Marriott (Troy, Michigan) in the suburbs of Detroit.

PRESENT TO A LARGE GROUP OF DECISION MAKERS IN ENGINEERED POLYOLEFINS

The SPE TPO *Automotive Engineered Polyolefins Conference* typically draws over 900 attendees from 20 countries on 4 continents who are vitally interested in learning about the latest in rigid and elastomeric TPO as well as TPE and TPV technologies. Fully a third of conference attendees work for a transportation OEM, and nearly 20% work for a tier integrator. Few conferences of any size can provide this type of networking opportunity or put you before such an engaged, global audience interested in hearing the latest olefin advances. Interested in presenting your latest research? Abstracts are due **April 8, 2019** and Papers/Presentations on **July 12, 2019**. Email abstracts/papers to TPOpapers@auto-tpo.com.

SHOWCASE YOUR PRODUCTS & SERVICES AT THE WORLD'S LARGEST AUTOMOTIVE ENGINEERED POLYOLEFINS FORUM

Many sponsorship packages are available. Companies interested in showcasing their products and/or services at the SPE Auto TPO Conference should contact TPOpapers@auto-tpo.com.

FOR MORE INFORMATION

www.auto-tpo.com

www.spedetroit.org or www.speautomotive.com/tpo
PH +1.248.244.8993, Ext 3 or email: karen@auto-tpo.com
SPE Detroit Section, 5750 New King Dr., Ste. 120, Troy MI, 48098

FOR ADVERTISEMENT PLEASE CONTACT

karen@auto-tpo.com



MARRIOTT TROY • 200 W BIG BEAVER • TROY MI 48084 • **OCTOBER 6-9 2019**

CALL FOR PAPERS

ABSTRACT DEADLINE: APRIL 8, 2019
PAPERS/PRESENTATIONS (COMPLETED PAPERS): JULY 12, 2019
EMAIL TO: TPOPAPERS@AUTO-TPO.COM

Be part of the SPE TPO Automotive Engineered Polyolefins Conference and learn how TPOs are driving value, light weight, and innovative automotive solutions. This premier conference draws over 900 of the world's most knowledgeable decision makers and industry experts who share their perspective and groundbreaking developments on one of the world's fastest-growing polymer families.

TPO 2019 CONFERENCE TECHNICAL PROGRAM SESSIONS & CHAIRS:

Scope of each session and suggested topic areas are provided on conference website: www.auto-tpo.com

MATERIALS DEVELOPMENT

- Mike Balow, Asahi Kasei Plastics North America
- Mark Jablonka, The Dow Chemical Company
- Peter Glenister, LyondellBasell

SURFACE ENHANCEMENTS

- Dr. Rose Ryntz, Ryntz & Associates
- Jim Keller, Mankiewicz Coatings
- Jeff Crist, Ford Motor Company

INTERIOR APPLICATIONS & LAMINATING ADHESIVES

- Dr. Pravin Sitaram, Haartz Corporation
- Sarah Gatzek, Ford Motor Company
- Hoa Pham, Freudenberg Performance Materials

PROCESS DEVELOPMENTS & SIMULATIONS

- Kurt Anthony, Washington Penn Plastic Co., Inc.
- Dr. Suresh Shah, SPE Fellow
- Dr. Li Lu, Ford Motor Company

LIGHTWEIGHTING OF POLYOLEFIN PARTS

- Mike Shoemaker, Borealis Compounds
- Dr. Nadeem Bokhari, Sumitomo Chemical
- Normand Miron, Washington Penn Plastic Co., Inc.

BIO BASED & RECYCLED MATERIALS

- Susan Kozora, IAC Group
- Dr. Alper Kiziltas, Ford Motor Company

INTERIOR EMISSIONS

- Dr. Laura Shereda, Asahi Kasei Plastics North America

ADDITIVE MANUFACTURING (3D PRINTING)

- Kurt Anthony, Washington Penn Plastic Co., Inc.
- Dr. Suresh Shah, SPE Fellow
- Nihir Bhuvra, Asahi Kasei Plastics North America

**SUNDAY, OCTOBER 6, 2019 –
TWO TECHNICAL WORKSHOPS:
3:00PM & 4:00PM**

KEY CONFERENCE CONTACTS

CONFERENCE CO-CHAIRS

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David Okonski, General Motors
dokonski@auto-tpo.com

For information and registration visit our website at auto-tpo.com or call Karen at +1.248.244.8993, Ext 3, karen@auto-tpo.com

A block of rooms has been reserved at the Marriott Troy for the SPE TPO Automotive Engineered Polyolefins Conference.

**JUNE
25**



SPE DETROIT ANNUAL GOLF OUTING

JUNE 25, 2019

BAY POINTE GOLF CLUB

4001 Haggerty Rd. West Bloomfield, MI

WHEN: Tuesday, June 25, 2019

TIME: 11:00am – Shot Gun Start!

FORMAT: Four person scramble & best ball.

INCLUDES: 18 Holes & Cart, Door Prize,
Grilled Lunch & Dinner (Full Service Sit
Down), Prizes and More!

COST:

\$110/Person

\$525/Foursome, includes Hole Sponsor

\$100 Optional Hole Sponsor Only

Reserve Your Spot:

Karen Rhodes-Parker

karen@spedetroit.org

248-244-8993 ext: 3

www.SPEdetroit.org

2019 PLANNED EVENTS

For more information please contact Karen Rhodes-Parker at 248-244-8993 ext. 3 or karen@spedetroit.com.

DATE	EVENT	LOCATION
March 18 – 21, 2019	2019 ANTEC “75th SPE Anniversary”	GM Renaissance Center Detroit, MI 48243
April 8, 2019	SPE Detroit Section Board Meeting	ACC 5750 New King Drive #120 Troy, MI 48098
May 7, 2019	2019 Auto EPCON	Detroit Marriott –Troy
May 13, 2019	Technical Dinner Meeting –TBD	Michigan State University Management Education Center 811 W. Square Lake Rd. Troy, MI 48098
May 20, 2019	SPE Detroit Section Board Meeting	ACC 5750 New King Drive #120 Troy, MI 48098
June 10, 2019	Technical Dinner Meeting – TBD	Michigan State University Management Education Center 811 W. Square Lake Rd. Troy, MI 48098
June 24, 2019	SPE Detroit Section Planning Meeting	Michigan State University Management Education Center 811 W. Square Lake Rd. Troy, MI 48098
June 25, 2019	Golf Outing	Bay Pointe Golf Club Commerce Township

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Dear SPE Councilors, Division Chairs, Section Presidents, and Treasurers;

As a follow-up to the Spring Council meeting, this memo is to serve as a financial management guideline.

SPE Sections or Divisions operate as an independent, non-profit organization. You need to make sure to apply appropriate practices, so you will be legally compliant with State and Federal or country laws. As an SPE affiliate, you also need to comply with SPE Bylaws and Policies. Each Section and Division is responsible for its own financial management.

The Finance Committee of the Executive Board, in conjunction with SPE staff, offers the following recommendations:

TREASURER: It is a requirement to have a Treasurer. That person should be someone other than the Chair. The group's board should elect the Treasurer. For Sections and Divisions with yearly revenues higher than \$100,000, we recommend you have a co-Treasurer or assistant Treasurer.

BANK ACCOUNT(S): If your group has a bank account, it must be in the name of the Section or Division (e.g. Society of Plastics Engineers Injection Molding Division). We recommend having at least two different members have access to the account statements and both should review account statements every other month at a minimum.

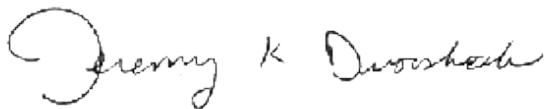
PAYMENT AUTHORIZATION: SPE recommends that you to have two signatory requirements for payments, above a certain dollar amount, determined and periodically reviewed by the Board. \$2,000 is a customary and reasonable threshold.

REPORTING: SPE recommends that your group's Treasurer present a financial report at every board meeting or at the request of a board member of all expenses and revenues. Include in this financial report a cash statement, which reflects all account statements, and copies of the actual bank statements.

AUDIT: SPE encourages that all Sections and Divisions with yearly revenues above \$100,000 / year or financial assets above \$250,000, to have an external audit once a year. For Sections and Divisions with revenues below \$100,000 / year, SPE recommends an external financial review every 2-3 years. Internal auditing should happen on an ongoing basis with multiple people reviewing actual statements against reports.

Should you have any questions or concerns, please contact the SPE Office Administrator at 203.775.0471.

Respectfully submitted,



Jeremy K. Dworshak

VP Business & Finance



DETROIT SECTION

SOCIETY OF PLASTICS ENGINEERS, INC.

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Past President	Wayne Hertlein	Letica	248-608-2052	586-243-6078	wayneh7758@aol.com
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	Tom Powers	Consultant		248-877-0689	tpowers@ejourney.com
	Norm Kakarala	Inteva Products Retired	248-433-1227	248-840-6747	sriman.kakarala@gmail.com

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