Supports the Dow Great Lakes Bay STEM Festival

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Hello, Detroit Section Members:

I would like to thank everyone who attended the Fall Kickoff meeting at MSU Management Education Center on September 11, 2017. The meeting was well-attended and a good start to the SPE 75th Anniversary Year and the 2017–2018 season.

The main focus of the evening was Innovative Solutions in Engine Air Induction Systems, presented by Curt Fink, North American Product Manager – Engine Systems, Rochling Automotive. The remainder of the evening involved the presentation of the annual SPE Detroit Section awards.

The first award of the evening was the presentation of the Lifetime Achievement award. The criteria for this award are “SPE members” who have had long, productive careers and who belong to the Detroit SPE Section. This award has also been called the “Unsung Hero” award. This year’s recipient was Dr. Rose Ryntz. Dr. Ryntz accepted the award at the TPO conference on Tuesday, October 3, 2017.

The Community Service award was presented next. The primary criterion for this award is appreciation for years of dedicated service, support, and devotion to the Detroit Section of the Society of Plastics Engineers. The company recognized was IAC (International Automotive Components).

The final annual SPE award presentation for the evening was the Outstanding Member award. The criteria for this award include exceptional contributions to the Detroit Section for a minimum of seven years, significant contributions to the plastics industry, and participation within the greater society. The 2017 recipient of this award was Dr. Adrian Merrington. Adrian’s background, experience, and accomplishments will be highlighted in the January 2018 Trends & Topics.

I would also like to thank everyone who attended the TPO conference, which was held from Sunday, October 1, 2017 – Wednesday, October 4, 2017 at the Detroit Marriott in Troy. This was the 19th year for this event. The Conference was well-attended with 750 registered attendees and 150+ walk-in registrations.

I would like to personally thank Dr. Sasson Tarahomi, David Okonski, Dr. Norm Kakarala, and Dave Helmer as the TPO Conference Co-Chairs for planning and executing such a wonderful technical conference. In addition, I would like to recognize and thank all of the Session Co-Chairs, Committees and Staff Members that it took to plan this event. Most people do not realize that there are over 50+ people involved with the planning and running of a conference of this size.

I would also like to thank the five keynote speakers and their employers for sharing the latest industry insights from their perspectives, specifically Jeff Makarewicz (Toyota Motor North America), Jeff Schuster (LMC Automotive), Dirk Zinkweg (Dow Electrical & Telecommunications), Darrell Williams (Braskem America, Inc.), and Patricia Davitt Long (Plastics Industry Association [PLASTICS]). I received a lot of positive feedback from the attendees on each of the keynote topics.

This type of conference would not be possible without the support from our sponsors. This year’s Platinum sponsors were Advanced Composites, Sumitomo Chemical, Trinseo, Washington Penn Plastics Company, Inc., and Formosa Plastics. This year’s conference also yielded 25 Gold Sponsors and 76 Exhibitors, 81 technical papers within 3 concurrent sessions, 3 lunches, and 3 receptions. If you were not able to attend this year’s conference, please make sure to add it to your calendar to attend next year.

Three Student Scholarship awards were distributed at the TPO Conference on Sunday, October 1, 2017. The Irv Poston Scholarship Recipient is Nicole Francis, a University of Michigan student. This is the first year for this scholarship, and Nicole will receive a $5,500 check. Next, the Reg Bell Recipient is Alice Kilvington. She is a Michigan State student and will receive a $5,000 check. The third scholarship recognized was the Delta Polymers Recipient. This scholarship went to Daniel Pisarski, a University of Michigan student, who will receive a $1,000 check.

I would like to personally congratulate all of the award winners. Great Job, Everyone!

All Section members are also encouraged to attend the Detroit Section’s upcoming events.

The 47th annual Automotive Innovations awards will be held on Wednesday, November 8, 2017, at the Burton Manor in Livonia. Please purchase your tickets early.

We are looking forward to a busy 2017-2018 SPE season, and I am looking forward to seeing each of you at our events.
The SPE Detroit Section participated in the 2017 Dow Great Lakes Bay STEM Festival on October 6-7th held at Delta College. The event was hosted by the Michigan Technological University Mind Trekkers and Delta College. SPE was one of 46 organizations participating in the STEM Festival that featured over 150 demonstrations. The SPE booth included hands-on science demonstrations related to polymers and plastics that are part of the SPE Foundation’s PlastiVan® program. On October 6th, middle school students from across the Great Lakes Bay region were bussed to Delta College to take part in the STEM Festival and over 3,200 students, teachers and chaperones attended. On October 7th the event was open to the public where an estimated additional 3,000 people attended.

A special thanks to the SPE PlastiVan® Educator, Elizabeth Egan, who organized and provided all the supplies for the hands-on demonstrations. The SPE booth would not have been possible without
Michigan State University:
- Alice Kilvington, Angela DeMarco and Jacob Archer

Detroit SPE members:
- Todd Hogan; The Dow Chemical Company
- Chris Surbrook; Midland Compounding & Consulting
- Steve Myers; CMG America
- Paula Kruger; DSM Engineering Plastics

Many thanks to all who helped make this day a success!

the support of the following SPE members and student chapter volunteers:

Mid-Michigan Community College:
- Steven Fosgard (Faculty Advisor), Morgan Arnold and Alex Vanburen

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The 19th Annual TPO Conference began Sunday, October 1 with two afternoon workshops. While the workshops were underway 80 exhibitors began their installations of displays and information. The evening reception by “Platinum” sponsor Formosa Plastics Group was Sunday’s highlight.

The conference keynote addresses are always informative and engaging. Monday featured two timely keynote addresses. The first, “Managing Through the Automotive Revolution,” was led by Jeff Makarewicz, the Group Vice President of Vehicle, Quality, & Safety Engineering at the Toyota Technical Center. Jeff provided insights into the global automotive marketplace and what that might mean for the industry. The second keynote was provided by Jeff Schuster, the Senior Vice President of Forecasting at LMC Automotive. His talk, “The State of the Auto Industry – Upcoming Trends and Innovations,” discussed the outlook for supply and demand of automobiles throughout the world over the next 10 years.

Special scholars, with their parents, receive awards from Detroit SPE President, Wayne Hertlein, Sandra McClelland, and Tom Miller

The first Tuesday morning keynote “Polyolefin Elastomer Impact Modifiers for Polypropylene, Future Trends and Predictions,” was presented by Dirk Zinkweg, the Associate Marketing Director for Transportation within Dow’s Elastomers, Electrical & Telecommunications (EE&T) business. This was followed by the “State of the Polypropylene Industry – Supply and Technology,” by Darrell Williams, Director of Sales, Technical Service and

Delta Polymers Scholar, Daniel Pisarski & Irv Poston Scholar, Nicole Francis
Business Development at Braskem. Both keynotes were very interesting and well received by the conference attendees.

Patricia Davitt Long, Senior Vice President of Industry Affairs, Plastics Industry Association (PLASTICS) wrapped up the conference keynotes on Wednesday morning. She described the changes in her organization and outlined the resources available for the plastics industry. A new toolkit will be available soon that will highlight the benefits of plastics, not only in the automotive industry, but in many other industries that impact people’s everyday lives.

Beyond the keynote talks that focused on global automotive plastics issues and forecasts, the presentation of technical papers detailed specific advances in TPOs. Session topics included: Additives & Modifiers; Reinforcements & Compounds; Adhesives & Coatings; Surface Enhancements; Interior Soft Trim: Skins, Foams, and Components; Bio-Based & Recycled Materials; Lightweighting of Parts; Process Developments; Modeling & Simulations; and Interior Emissions.

But it’s not all technical discussions – one of the best things about the conference is the opportunity to network with colleagues and catch up with old friends in the industry. Thanks go out to our coffee break sponsors: Sirmax North America, International Automotive Components (IAC), The Dow Chemical Company, Cimbar Performance Materials. Our lunch sponsors are appreciated as well: Sumitomo Chemical Company, Washington Penn Plastic Co., Inc and Trinseo. Evening receptions were filled with good food, music, and lively discussions – a big thank you to our sponsors: Formosa Plastics Group, Advanced Composites, and Braskem.

Once again, the strength and importance of the Auto-TPO conference was apparent in the attendance of over 900 people from around the world. With 80 exhibitors and 83 technical papers, this conference is still going strong – even in its
19th year. The SPE Detroit Section thanks the conference committee members, our exhibitors, sponsors, and especially our “platinum” sponsors: Advanced Composites, Braskem, Formosa Plastics Group, Sumitomo Chemical, Trinseo, and Washington Penn.

Save the date for next year’s conference – our 20th year - October 7-10!

See more photos at: https://auto-tpo.smugmug.com/

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2017-2018 Scholarship Recipient Recognition

Irv Poston Recipient: $5,500
Nichol Francis, UofM Senior
Chemical Engineering

Reg Bell Recipient: $5,000
Alice Kilvington, MSU Senior
Chemical Engineering

Delta Polymers: $3,000
Daniel Pisarski
UofM Sophomore
Mechanical Engineering
In July, aerial robotics teams from all around the world traveled to Atlanta, Georgia for the 26th year of the International Aerial Robotics Competition. Our task was to build and operate an autonomous drone that would interact with ground robots roaming the floor, herding them across one end of the field. The ground robots traveled in random directions, and landing on the ground robots would cause them to change direction. This current mission has been going on for four years and no team has successfully completed the entire extent of the challenge. Each year brings our team closer in completing the entire mission.

Our team called, Michigan Autonomous Aerial Vehicles, is chartered from the University of Michigan and is composed of undergraduate and graduate students. Our vehicle is primarily made of carbon fiber and ABS plastic parts. We make custom lay-ups for the various carbon fiber parts of our vehicle. 3D printing has allowed us to tailor our designs to better match our needs. Mocking up a prototype in CAD and then printing the model has never been easier and it allows us to easily make changes on the fly. We have learned a lot about the limits of ABS, and its challenges like warping and durability. We continue to optimize our vehicle with plastics to increase the durability and decrease the weight of the vehicle. We look forward to completing next year in Atlanta with an improved vehicle design that will allow us to survive larger drops and have a longer flight time.

Daniel Pisarski is a sophomore in Mechanical Engineering at the University of Michigan. He is on the Structures Sub-team of the Michigan Autonomous Aerial Vehicles and this year’s recipient of the Detroit SPE Delta Polymers Scholarship.
2017 Southeast Michigan Science & Engineering Festival at Schoolcraft College – Volunteer Report

Keith Siope, Volunteer Coordinator

Together with Michigan Technological University and Schoolcraft College, the SPE Detroit Section participated in the 2017 Southeast Michigan Science & Engineering Festival, Friday, September 22 & Saturday, September 23, 2017.

On Friday, students from 10 area middle schools participated in the event and Saturday was open to the public. Even though the weather was warm and sunny, there was a steady flow of elementary, middle school and high school students with their parents.

To expose, attract, educate and entertain students and parents, the plastics lab was set up to shuttle them through sequence of stations where they

Mark Richardson, Oakland University Faculty, explains thermoforming

Armando Sardanopoli, Schoolcraft College Faculty, thermoforms for students

Sassan Tarahomi, Schoolcraft College Faculty, demonstrates that plastics are fun

Peter Grelle, Schoolcraft College Faculty, developing plastics workforce

www.SPEdetroit.org
gained semi-hands-on experience in: Injection Molding; Thermoforming; Impact testing; Tensile testing; various applications using different types of plastics and plastics processes; careers in plastics, and Schoolcraft College’s Certificate and A.S. Programs in plastics.

Thanks to the volunteers listed below who shared their time and talent, to make the experience fun, informative and educational:

- Aaron Wood, Dow Corning
- Paula Kruger, DSM Engineering Plastics
- Keith Siopes, DSM Engineering Plastics
- Sassan Tarahomi, Mitsubishi Chemical
- Mark Richardson, Oakland University and Series One
- Peter Grelle, Schoolcraft College
- Debora Wilson, Schoolcraft College
- Armando Sardanopoli, Schoolcraft College

Students get hands-on experience in plastics
Council Meeting Recap
Sandra McClelland, Detroit Councilor

The August council meeting was held in Detroit this year. This meeting began with a Plastic News and SPE event at the Gem Theater to honor the 75th anniversary of the start of the SPE in Detroit. They also honored the Rising Young Professionals. Wayne Hertlein, President of the Detroit Section assisted in passing out the awards.

There were some items brought up for awards and the new ANTEC Technical Marketing Presentations. International Awards: Deadline is 18 SEP 2017 – please have every board member on every Section or Division consider who might be eligible or worthy of one of these International Awards and submit their recommendations.

ANTEC – Technical Marketing Presentations
• 2018 Guidelines
  o New products – 2 years or less in the market.
  o Old products which still may bring value will be considered.
  o Presentations ONLY – no paper required.
  o Must be reviewed by ANTEC TPC Committee
  o Must have permission to be published

SPE President Raed Al-Zu’bi Made Opening Remarks
Raed took a moment of silence to recognize Ralph Noble 1970-1971 SPE President who passed earlier this year. The theme for 2017-2018 year “It is our future, let’s embrace it”. The effective execution of the 3 year operating plan, the leadership development plan, and the new governance model is a must moving forward.

DETROIT SPE
2017-2018 PLANNED EVENTS

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<tr>
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<tr>
<td>December 4, 2017</td>
<td>SPE Detroit Section Board Meeting</td>
<td>American Chemistry Council</td>
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<td>February 5, 2018</td>
<td>SPE Detroit Section Board Meeting</td>
<td>American Chemistry Council</td>
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<tr>
<td>February 26, 2018</td>
<td>Krauss-Maffei Presentation &amp; Tour</td>
<td>Krauss-Maffei Brighton</td>
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The following summary of the SPE Council Meeting is offered to all Councilors to share with their respective groups by Conor Carlin, VP Marketing & Communications.

- **SPE Financial Update**
  1. CEO Pat Farrey provided details on SPE’s current financial position and offered his perspective from the world of association management. SPE members and leaders should not underappreciate our successes: Farrey pointed out that many associations would love to have our ANTEC numbers of 1400 attendees and $200k in revenue.
  2. SPE has a strong cash position, the strongest for many years. Operational expenses are tracking on-budget. Corporate sales and membership dues are down leading to revenues that will be below budget by $377k, excluding the 1-time payment from Wiley for the journal publishing contract. Expenses are greater than revenues by $123k. Investment income of $220k helps to offset revenue losses though it cannot be relied upon for guaranteed future income.
  3. Preliminary results show that ANTEC was profitable again in 2017. Costs were higher than budget and proportionally higher than historical numbers but in-line with expectations.
  4. Membership dues have fallen to $70k/mo for the past two months, though overall membership totals are up, primarily driven by e-members.
  5. It will be difficult to achieve corporate sales goals in 2017. Corporate sales are up 30% over 2016.

- **CEO Report**
  1. CEO Farrey offered that his observations at 60 days revealed no major surprises. His single strategic objective is to improve profitability. Short term priorities include the following:
  2. In-depth review of IT infrastructure and systems (ref. section 4.4 of 3YOP)
  3. More staff support for membership / affiliate group services through the hire of a new Member Services Manager
  4. Need to replace Business Development position. Need better focus on increasing non- dues revenue including advertising, corporate sponsorships and exhibit sales. *(This position was filled as of September 2017).*

  Farrey also covered some additional topics:
  5. Operational changes: re-integration of Managing Director role into CEO role
  6. Expense control: CEO review of all items including travel and capex
  7. Longer term priorities: NGAB, young professionals, marcomms, awards

- **Recognition & Awards**
  1. The structure of the Pinnacle Awards and related criteria have been reviewed by a sub-committee of the executive board. Vice-President of Education & Technology, Brian Landes, presented his group's findings to Council. Complete details of the changes are available for members to access via *The Chain* where all presentations are posted. After discussion, Council decided to postpone implementation of the changes until after ANTEC 2018.
  2. The Awards Committee called for reflection on nominees for the prestigious International Award. Other awards include the Research Award (contributions to polymer science), the Engineering Technology Award, the Business Award and the Education Award. All forms can be found online at [www.4spe.org](http://www.4spe.org) and the deadline is September 18.
  3. President Al-Zu’bi recognized SPE Managing Director Russell Broome’s service to SPE and presented him with a plaque (plastic, not metal). Broome thanked everyone and encouraged all members to focus on the
needs of industry for SPE to remain vibrant and relevant.

4. President-Elect Brian Grady announced a new opening on the Nominating Committee. Councilor Scott Steele encourage everyone to find new candidates in order to have competitive elections.

• ANTEC

1. The subject of commercial papers at ANTEC has been discussed for several years. Changes will now allow for technical marketing presentations. Templates have been created by Mark Spalding of Dow Chemical. Guidelines have been published and are available to membership. The goal is to allow more commercial information. While no official paper is required, a PowerPoint presentation will be reviewed by the ANTEC Program Committee. The presentations will subsequently be published alongside papers in the proceedings. Company logos are permitted but cannot consume more than 5% of the space on a slide.

2. Assigning of copyright to SPE for ANTEC papers will no longer be required. Instead the author will be required to grant SPE permission to publish, without surrendering copyright.

3. The ANTEC Task Force continues its important work on what changes are required to keep our flagship conference relevant and dynamic. VP Jaime Gomez cautioned that councilors should not extrapolate too much from early findings. Another update will be provided by December 2017.

• Sections & Divisions News

1. The VP of Divisions, Creig Bowland, resigned his position due to work and family commitments. Since then, Jason Lyons of Arkema, has been appointed.

2. The Sections Committee has recently published a letter outlining their strategic projects to improve communication and member benefits. Members are encouraged to use The Chain for the latest news and information about affiliate groups and general SPE business.

• NGAB & PlastiVan

1. Eve Vitale, Director of SPE Foundation, presented an overview of both the Foundation Board and PlastiVan® (PV) programs. Currently, there are 4 educators and a program coordinator who are part of the PV team. Vitale reviewed scholarship programs and encouraged everyone to consider more ways to support plastics education via the PV program. All councilors had the opportunity make slime as Vitale led a demonstration of actual PV classroom education.

2. The Next Generation Advisory Board continues to grow. The current NGAB membership stands at 67. VP Gomez pointed out that 89% of student members do not renew their membership when they graduate and NGAB can act as a bridge to transition members from student status to young professional status. The Executive Board continues to commit essential resources for NGAB success. Councilor Jon Ratzlaff challenged councilors to bring this NGAB news to their respective boards and encouraged them to engage NGAB.

The next Council meeting will be on December 15th at 10am EST and will be conducted via conference call.
The Society of Plastics Engineers (SPE) presents the 22nd annual “Wonders of Plastics” essay contest. Open to all middle/junior high and high school students, the essay must meet the requirements outlined below.

**Deadline is February, 28, 2018!**

**Topics to Consider:**

- Advantages of Plastics in Food Packaging
- Creative Use of Recycled Plastics
- How Plastics Benefit Humankind
- Myths about the Bad Reputation of Plastics
- Plastics in the Environment
- Plastics Usefulness in Society
- What Plastics Have Done for Me
- How Plastics Improve our Lifestyle

**Cash Awards for 1st – 5th Place from both North and South Sections:**

- **1st Place:** $500 and publication in the SPE Detroit Section Newsletter for both sections
- **2nd Place:** $300
- **3rd Place:** $200
- **4th Place:** $100
- **5th Place:** $50

Submit Essays Electronically (MS Word preferred) by 2/28/18 to:

**SPE Detroit Section North (Flint and North)**
- Todd Hogan – Contest Chair
- The Dow Chemical Company
- (989) 636-5303
tahogan@dow.com

**SPE Detroit Section South (South of Flint)**
- Tom Miller – Contest Chair
- BASF Performance Materials
- (586) 291-5289
- Thomas.Miller@basf.com

**Requirements for Submission:**

Between 500 – 1,000 words. 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.

The organization structure of the essay should be “logical,” including the following considerations: Introduction, Development, Thesis and Conclusion.

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. Footnotes and references must be included when necessary.

The full application can be found here: [http://spedetroit.org/?page_id=1080](http://spedetroit.org/?page_id=1080)
CALL FOR PAPERS

EXHIBIT & SPONSORSHIP OPPORTUNITIES

Abstract Due: Jan. 31, 2017 | Paper/Presentations Due: Feb. 28, 2017

ATTEND THE WORLD’S LEADING ENGINEERED POLYOLEFINS FORUM

Now in its second year, the show is the world’s leading engineered polyolefins forum featuring 40+ 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 March 28 - 30, 2017.

PRESENT TO A LARGE GROUP OF DECISION MAKERS IN ENGINEERED POLYOLEFINS

THE SPE TPO Engineered Polyolefins Conference typically draws over 300 attendees from 12 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?

SHOWCASE YOUR PRODUCTS & SERVICES AT THE 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.

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ABSTRACT DEADLINE: JANUARY 31, 2017
EMAIL TO: TPOPAPERS@AUTO-TPO.COM

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

2017 TPO CONFERENCE SESSIONS:
Scope of each session and suggested topic areas are provided.
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Additives & Modifiers
Fillers, process aids, stabilizers, and impact modifiers.

Reinforcements & Compounds
All fibrous reinforcements (glass, carbon, natural) and PP Compounds.

Adhesives & Coatings
All adhesives (Reactive and non-reactive hot melts, glues, sprays) and coatings for flexible & Rigid TPO substrates.

Surface Enhancements
Surface aesthetics, haptics, scratch durability, weatherability.

Interior Applications
Skins, foams, trim components for vehicle interiors.

Lightweighting of Parts
Material, process, and part design improvements for mass reduction.

Process Developments
Molding and forming methods, tooling, 3D printing, new equipment, and rheology and simulation studies.

Modeling & Simulations
Performance prediction modeling and simulations.

VOC & SOC Issues
Global regulations on chemical emissions and substances of concern in TPO materials.

KEY CONFERENCE CONTACTS:

TECHNICAL PROGRAM CHAIR:
Dr. Norm Kakarala
nkakarala@auto-tpo.com

Dr. Sam He, Inteva Products LLC
samhe@auto-tpo.com

CONFERENCE CHAIR:
Dr. Sassan Tarahomi, International Automotive Components (IAC) Group
starahomi@auto-tpo.com

SPONSORSHIP / EXHIBIT CHAIR:
Dr. Sassan Tarahomi, International Automotive Components (IAC) Group
starahomi@auto-tpo.com

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Part time Outreach Educator for the PlastiVan® Program
Society of Plastics Engineers

Reports To: Outreach Director
FLSA Classification: Part time/Contract

Locations Available:
- Midwest Region, USA
- Northeast Region, USA
- The Carolinas, USA
- Texas, USA

General Summary: Duties include travel throughout assigned region of USA educating students in grades 5-12, teachers, and general public about the chemistry, history, processing, environmental issues and social impact of plastic. Outreach Educators must enjoy teaching all levels of students in an informal and enthusiastic manner.

Essential Functions:

- Prepare materials for class demonstrations
- Teach up to six classes per day, using provided curriculum
- Market and book the program for the next school year
- Schedule PlastiVan® visits
- All communication to/with the scheduled schools
- Drive to various locations within assigned region
- Maintain a positive public image for the plastics industry and the SPE
• Occasional trade shows
• Market to regional or divisional Society of Plastics Engineers (SPE) & the PLASTICS Industry Association meetings
• Some media and public relations
• Track daily expenses
• Other duties as assigned
• Have fun!

Job Standards:

• Adhere to all SPE policies and procedures
• Provide excellent service to members and staff
• Telephone, written and face-to-face member communications are a central part of SPE’s day-to-day business. Contract educator will be expected to treat member communications as a top priority.

Relationships:

• Internal: SPE Foundation Director, PlastiVan® Program Coordinator, SPE Staff
• External: Members, prospects, vendors, other trade/industrial groups and the public

Job Qualifications:

• Education: College degree
• Experience: 2 years of teaching or training experience preferred. Knowledge of the plastics industry or general science preferred.
• Job Requirements: Valid driver’s license with a clean driving record
• Special Knowledge, Skills and Abilities: Excellent verbal and written communication skills; ability to handle multiple projects; ability to travel extensively, possibly a full week at a time; ability to work some evenings and weekends. Customer service and team player skills essential.

Contact:
Eve Vitale
SPE Foundation Director
+1 810.814.6412 | evitale@4spe.org
www.4spe.org/plastivan

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DETROIT SECTION EXECUTIVE BOARD and COMMITTEE MEMBERS FOR 2017-2018

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</tbody>
</table>

COMMITTEE CHAIRS FOR 2017-2018

| Advertising                   | Co-Chair               | &nbsp;                                              |           |           |                                |
|                               | Co-Chair               | Safety Technology International, Inc.               | 248-618-6809 | 248-703-5995 | bpetrach@st-i-usa.com          |
| AutoEPCON Conference          | Co-Chair               | Midland Compounding, Inc.                         | 989-495-9367 |            | csurbrook@midlandcompounding.com |
| Education Fund                | Co-Chair               | Entech Polymers/Ravago Americas                   | 248-797-7433 |            | gkogowski@ravagoamericas.com   |
| House/Programs                | Co-Chair               | Solvay Speciality Polymers                        | 586-264-0063 | 586-292-1794 | sandramcclelland@solvay.com    |
| Awards                        | Co-Chair               | Asahi Kasei Plastics                             | 248-444-1753 |            | nippanirao@aol.com            |
| Communications/Web Content    | Co-Chair               | Plastics Fundamentals Group LLC                  | 248-752-2611 |            | PPGrp@aol.com                 |
| AutoEPCON Conference          | Co-Chair               | BASF                                           | 248-496-2811 |            | marc.bahm@gmail.com           |
| Education Fund                | Co-Chair               | Trinseo LLC                                     | 989-633-4187 | 989-641-2796 | amerrington@trinseo.com        |
| House/Programs                | Co-Chair               | Entech Polymers/Ravago Americas                   | 248-797-7433 |            | gkogowski@ravagoamericas.com   |
| Awards                        | Co-Chair               | Plastics Fundamentals Group LLC                  | 248-752-2611 |            | PPGrp@aol.com                 |
| Communications/Web Content    | Co-Chair               | BASF                                           | 248-496-2811 |            | marc.bahm@gmail.com           |
| AutoEPCON Conference          | Co-Chair               | Trinseo LLC                                     | 989-633-4187 | 989-641-2796 | amerrington@trinseo.com        |
| Education Fund                | Co-Chair               | Summit Plastic Molding                          | 248-390-2499 |            | dcoppper1010@gmail.com         |
| Material Auction              | Co-Chair               | Wilbert Plastic Services                        | 248-243-6078 |            | wayneh7755@aol.com            |
| Membership                    | Co-Chair               | Entech Polymers/Ravago Americas                   | 248-797-7433 |            | marc.bahm@gmail.com           |
| Newsletter Editor             | Co-Chair               | &nbsp;                                          |           |           |                                |
| E-Communications              | Co-Chair               | &nbsp;                                          |           |           |                                |
| Nominations/Elections         | Co-Chair               | &nbsp;                                          |           |           |                                |
| Plastivian & Essay Contest    | Co-Chair               | &nbsp;                                          |           |           |                                |
| Public Interest               | Co-Chair               | &nbsp;                                          |           |           |                                |
| Scholarships                  | Co-Chair               | &nbsp;                                          |           |           |                                |
| Education                     | Co-Chair               | Solvay Speciality Polymers                       | 586-264-0063 | 586-292-1794 | sandramcclelland@solvay.com    |
| Technical Programs            | Co-Chair               | Mitsubishi Chemical Performance Polymers, Inc.   | 586-819-0850 | 586-834-9126 | Sassan_Tarahomi@m-chem.com     |
| TPO Conference                | Co-Chair               | Mitsubishi Chemical Performance Polymers, Inc.   | 586-819-0850 | 586-834-9126 | Sassan_Tarahomi@m-chem.com     |
| WebMaster                     | Co-Chair               | BASF                                           | 248-496-2811 |            | marc.bahm@gmail.com           |
| Historian                     | Co-Chair               | Consultant                                     | 248-877-0689 |            | tpowers@ejourney.com           |
| Golf Outing                   | Co-Chair               | Wilbert Plastic Services                        | 248-243-6078 |            | wayneh7755@aol.com            |

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- TPO Conference: www.auto-TPO.com
- SPE International: www.4spe.org