



Material Auction 2016

Please join us in support of Detroit SPE's Education and Scholarship Program at the 2016 Material Auction, Friday, April 1st at the MGM Grand Hotel & Casino in Detroit. See page 21 or <http://spematerialauction.com/> for registration information.



Don't miss this year's AutoEP CON.
See <https://www.eiseverywhere.com/ehome/143053> for details.



Members of Henderson Academy in Detroit with their project for the Future City Competition which was held January 25 in Novi. Many of Detroit SPE's members were judges. This program is hosted by the Engineering Society of Detroit and is sponsored in part by Detroit SPE. See page 6 for an article and more pictures.



TRENDS & TOPICS

President's Message

Dr. Adrian Merrington
Midland Compounding and Consulting

President



It's Show Time

Whether you're a *Gadget Hound* or a *Motor Head*, this is the season of the big show. CES, formerly the Consumers Electronics Show (cesweb.org), has just finished and, closer to home, the *North American International Auto Show* in Detroit (naia.com) is just around the corner (at time of writing). The new car models are arriving in our local showrooms, and new wearables, virtual reality screens, robots and drones (so, so many drones) will be in a store near you soon.

Some go to the Auto Show to find their next car, but I've always been more interested in the concept cars. As I'm located in Midland and the local university hosts an annual outdoor auto show (blogs.northwood.edu/autoshow), I can see the cars without an extra trip to Detroit. However, the one thing the university show is missing is the collection of concept cars. So whether it's the Buick Avista, the Nissan IDS, the Audi H-Tron Quattro or the Volkswagen Beetle Dune, having an insight into what the automotive world envisions has always been intriguing to me. But it's not just future cars....

I've enjoyed watching people play with the HTC Vive Pre and Chaperone. This tool is a new VR machine that warns you before you walk into a wall. If you have the opportunity to try any of these headsets, you really should. The tools are still in their developmental infancy but the time when they have efficacy is getting closer. At first glance these might be considered toys but their potential in design and manufacturing is fascinating.

I'm sure you remember playing with those little plastic Lego bricks as a child? Perhaps the stronger memory is shouting at your own children who left their Legos on the floor for you to step on (or maybe that's just me). Anyway, Lego's *WeDo* is a robotics education kit for elementary school children. The engineers of the future are being trained at an early age.

Military applications aside, the use of drones is expanding into other industries. A growing ecosystem of drone vendors is already supplying hardware and software to customers in agriculture, land management, energy, and construction. Many of the suppliers are currently small private companies and startups but have big plans to grow.

Of course none of the products and industries would be possible without plastics. The in-demand products may not focus on the plastics content but it is plastics' versatility that makes them possible. But beyond using plastics, I think that these technologies use in the plastics industry is intriguing. As the next generation of engineers becomes very familiar in using tools that are themselves *next-generation*, at least to those of us at the older end of the employee age-spectrum, I wonder how that will facilitate the development of new ideas.

The concept of *additive manufacturing* (or 3D printing) may have been alien just a few years ago, but the tool's use in the development of everything from gun parts (defdist.org) to prosthetic arms (enablingthefuture.org) and full cars (localmotors.com/3d-printed-car) is becoming commonplace. Governmental funding of research in this area has helped develop the technology to a position of use for industry. No longer just the pursuit of the hobbyist, 3D printing is becoming a boon to manufacturing. I believe the same will be true of some of the other emerging technologies.

These are exciting times in which we live, and these large industry shows give us an early glimpse at the future.

Membership Note: Even though you are a member of SPE International, you are not a member of the Detroit Section unless you have selected Michigan-Detroit as one of your technical groups. Members of SPE are entitled to select two Sections and/or Divisions at no charge, and to add additional groups for only \$10/year. There are many benefits in having Michigan-Detroit as one of your groups.



April 1, 2016
Detroit Section Material Auction
MGM Grand, Detroit, MI

April 11, 2016
Technical Meeting & Tour
Vantage Plastics, Standish, MI

May 10, 2016
Auto EPCON
Detroit Marriott, Troy, MI

June 21, 2016
Annual Golf Outing
Bay Pointe GC, W. Bloomfield

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Officers Elected and Directors Nominated

Irv Poston – General Motors (retired)

Officers for the 2016-2017 year were elected from and by the Directors of the Detroit Section at their February 1 meeting. The Officers for next year are:

President – Wayne Hertlein
President-Elect – Bill Windscheif
2nd Vice-President – Laura Shereda
Treasurer – Tom Powers

Past President – Adrian Merrington
1st Vice-President – Eve Vitale
Secretary – Bob Petrach

Sandra McClelland will continue in her 2nd three-year term as our Councilor on the SPE International Council.

Directors have been nominated for the ballot that will be emailed to members early in March. You are to vote for up to five of the nominees for a three-year term from 6/2016 to 6/2019. A brief questionnaire will be included. Ballots must be returned by March 27.

The nominees for Directors are:

Dawn Cooper
Armando Sardanopoli

Tom Miller
Suresh Shah

Dave Okonski
Sassan Tarahomi

All members are encouraged to vote and respond to the questionnaire to show their interest in the Detroit Section.



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21st Annual 2016 Future City Competition

Dr. Sassan Tarahomi – IAC Group



The 2016 ESD Michigan Regional Future City Competition was held on Monday, January

25th at the Suburban Collection in Novi, Michigan. This competition inspires 6th, 7th and 8th grade students to use math, science, engineering and technology. Mentors with technical backgrounds coach the students for several months and help bring their vision of the “City of Future” to life by building a scale model of the city with all the necessities required for functionality.

Twenty-seven middle school teams were competing for first prize. The winners got a trip to Washington, D.C. for the National Future City Competition and a chance to compete for the grand prize trip to the U.S. Space Camp located in Huntsville, Alabama. All students were filled with excitement and anticipation; the months of hard work were finally over and they knew only one would be chosen as winner.

SPE Past Presidents, Pete Grelle, and myself, President-Elect Wayne Hertlein, and Board Secretary and Technical Program Chair Bob Petrach, volunteered to serve as special judges for the “Incorporation of Plastics Material”. Detroit SPE is one of the sponsors of this event.

The panel of judges representing SPE quickly reviewed 24 team projects, electing their top 3 teams and then revisited those teams as a group.

Graded categories were as follows:

- 1) Use of Plastics (0 - 25 points)
 - How are plastics incorporated into the theme and infrastructure of city?
 - Are the uses technically feasible?
- 2) Industries Supporting Plastics (0 – 20 Points)
 - Building and construction
 - Transportation
 - Packaging
 - Consumer goods
- 3) Reuse, Recycle, Reduce (0 – 20 Points)
 - What do you do with plastics at end of life?
- 4) Innovative Uses of Plastics (0 – 25 Points)
 - What unique ways have you incorporated plastics into your city design?
- 5) Presentation (0 – 10 Points)

The top five teams were:

1. St. John Lutheran School, Rochester
2. Crescent Academy, Canton
3. St. Valentine School, Redford
4. Grand Blanc West Middle School, Grand Blanc
5. Patrick Henry Middle School, Woodhaven

St. John Lutheran School of Rochester won the Special Award Category of “Incorporation of Plastics Materials”. For a photo gallery of the event please see:

<http://techcentury.com/2016/01/25/future-city-michigan-regional-2016-a-photo-gallery/>



St. John Lutheran School, Rochester
Michigan Regional Winner and Winner of Plastics Materials Award



Henderson Academy, Detroit



Sassan Tarahomi with a Future City resident



Bob Petrach and Pete Grelle with one of the presenters

SPE® SHANGHAI TPO CONFERENCE ANNOUNCES KEYNOTE SPEAKERS FOR MARCH PROGRAM

The organizing committee for the new **SPE® Shanghai TPO Conference**, March 22-24, 2016 at the Shanghai Marriott City Centre hotel in Shanghai, China, has announced the event's two keynote speakers. Dr. Rose Ryntz, vice-president, Advanced Development & Material Engineering, **International Automotive Components (IAC) Group** (Southfield, Mich., U.S.A.) and Dr. Stéphane Quilliet, engineering manager-injection molding team, RocTool (Le Bourget du Lac, France), will each give a 30-minute presentation highlighting important issues and new technologies that are expected to be of great interest to show attendees.

Ryntz will give a talk entitled *The Changing Landscape for Plastics Use in Interior Automotive Applications* on Tuesday, March 22, 2016 at 8:45 a.m. As background on her topic, she explains that plastics use in automotive applications is expected to represent approximately 18% of total vehicle weight by 2020 and contribute roughly \$110-billion USD to global plastics sales. During that same time period, global sales of automotive interior components (in all materials) is expected to reach \$325-billion USD, offering suppliers "great incentives to participate." However, the functional requirements and usage of plastic materials are changing rapidly due to factors like economics and governmental mandates. With increased demand for lighter, more competitively priced vehicles, and current challenges by vehicle-interior suppliers in meeting growing production demands, it is more important than ever to select plastics and design parts efficiently and correctly if a company wishes to become the supplier of choice for a given automaker.

"My presentation will focus on the changing geographic and demographic landscape for vehicle interiors and the effect of those changes

on plastic material selection," explains Ryntz. "As the interaction between car and driver becomes, paradoxically, more complex, the key to supplier success will be focused product segments and technology differentiation. Lifestyle demands, such as the desire for personalization, use of illuminated surfaces, and the focus on occupant comfort and convenience, as well as acoustic performance, environmental stewardship, and safety all will be discussed in relation to polymer selection. Additionally, the advent of the autonomous car and increased human-machine interactions also will be discussed relative to how they affect both the industry and its requirements."

Quilliet will give a talk entitled *On the Road to a New Standard: High-Definition Plastics* on Wednesday, March 23, 2016 at 8:45 a.m. RocTool's technologies for rapid mold heating and cooling provide plastic processors with practical solutions that increase productivity — via faster molding cycles, lower energy usage, better thickness control, and enhanced part complexity — as well as improve post-mold part quality — via optimized surface quality (whether matte or glossy) and invisible weldlines. These features are wanted and needed by molders in all major market segments, but especially in the high-volume, cost-sensitive, aesthetically demanding automotive industry.

"The plastic industry is constantly working to offer better process solutions in order to respond to design challenges from automakers. My presentation will focus on the ongoing evolution of several such process enhancements. I also will share our vision of the next key steps to reach a new quality and performance standard" explains Quilliet. "I will share with the attendees our vision and explain what we believe are the conditions needed to reach a

new standard in the industry. In addition, I will discuss the importance of the fact that we now can accurately simulate the inductive heating and cooling technique via Autodesk, Inc.'s MoldFlow® software, which helps improve the accuracy of moldfilling and warpage analyses as well as shows the benefits of our induction technology during the initial design phase, long before tooling is cut. We think of these as 'high-definition plastics' solutions for OEMs and their manufacturers."

About the Auto TPO & Shanghai TPO Conferences

Since 1998, the **SPE TPO Automotive Engineered Polyolefins Conference** has highlighted the importance of rigid and flexible polyolefins throughout the automobile – in applications ranging from semi-structural composite underbody shields and front-end modules to soft-touch interior skins and bumper

fascia. Engineered polyolefins have been the fastest-growing segment of the global plastics industry for more than a decade owing to their excellent cost / performance ratio. The Detroit-area show typically draws over 700 attendees from 20 countries on four continents who are interested in learning about the latest in rigid and elastomeric TPO as well as TPE and TPV technologies. Approximately 300 attendees are expected at the new **SPE Shanghai TPO Conference** in Shanghai, China. A variety of sponsorship packages are available for companies interested in showcasing their products and / or services at either event. The Shanghai show is being jointly organized by volunteers from the Detroit Section and China Section of the Society of Plastics Engineers (SPE). For more information about the **SPE Shanghai TPO Conference**, see <http://auto-tpo.com/> or <http://speautomotive.com/tpo.htm>.



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SPE Detroit Section Plant Tour

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Monday April 11, 2016

5:00 – 8:00 PM

1415 W. Cedar Street

Standish, MI 48658

(989) 846-1029

Cost: Free to students, university faculty and SPE members; non-members-\$10

5:00 PM Arrival and Networking

5:30 PM Pizza / Sandwich

6:00 PM Vantage Plastics

Presentation

7:00 PM Facilities Review

8:00 PM Program Ends



Please RSVP as soon as possible to:

Ms. Karen Rhodes-Parker

Karen@spedetroit.com or

(248) 244-8993 Ext. 3

Vantage Plastics provides world-class products and services which yield significant advantages to multiple industries and is at the pinnacle of the thermoforming industry providing the most expert and professional resources within the industry.

You may notice the “**Plastics**” in the “**Vantage Plastics**” name is always done in green. This represents an emphasis on being environmentally friendly. Generally the thermoformed plastics products produced by **Vantage Plastics** are both reusable, and recyclable. In addition to this, many energy saving initiatives have been implemented since operations began in 1996.

Vantage Plastics remains a family owned business that has grown from a small shop employing six people in 1996, to an award-winning leader within the plastics industry. It takes pride in now employing over 100 people.

Please consider sponsoring SPE Foundation's PlastiVan™ Outreach Education Program. It may be right for your company!



With a national focus on STEM disciplines at all educational levels, both private and public resources are being marshalled to address a shortage of skilled employees across manufacturing industries. It is critical for plastics and related companies to be active in their communities, both to demonstrate career opportunities and to promote the benefits of plastics which are often misunderstood.

The PlastiVan™ Program is a great way to excite young people about the science and the vast opportunities the plastics industry has to offer. The PlastiVan™ program travels to schools and companies throughout North America, educating people of all ages about plastics chemistry, history, processing, manufacturing, sustainability and applications. Corporate sponsors have a unique role to play in this community outreach program, linking the wonders of plastics to applications and jobs in the real world.

Costs

The fee for the PlastiVan program is \$1650 a day or \$8250 for a week. Your sponsorship allows more students greater access to the wonders of plastics in their own communities. Sponsorship of the PlastiVan™ Outreach Education Program is a tax-deductible donation.



Benefits

As part of the sponsorship package, companies gain access to students, parents and educators in local communities. Many companies choose to send a representative to speak directly to the audience about products and career opportunities. In addition, SPE can help coordinate PR with local press to craft stories about the PlastiVan™ visit. These stories are then added to SPE's library of testimonials highlighting the success of the PlastiVan™ program.

Contact

For more information and to sign up, contact Marjorie Weiner: mweiner@4spe.org (978) 618-5496

Some Previous Sponsors



SPE Foundation's PlastiVan™ Outreach Education Program is looking for an instructor. For more information see job description below and contact: Marjorie Weiner, M.Ed., PlastiVan Outreach Education Program
Direct - 978.618.5496 or SPE Office - 203.775.0471 or mweiner@4spe.org

**OUTREACH EDUCATOR FOR THE *PLASTIVAN*™ PROGRAM
SOCIETY OF PLASTICS ENGINEERS**

Reports To: Outreach Director
FLSA Classification: Contractor
Location: Midwest Region, United States

General Summary: Duties include travel throughout designated portions of the United States, 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:

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

Job Standards:

- Contract educator must adhere to all Society of Plastics Engineers policies and procedures.
- Contract Educator is expected to provide excellent service to members and staff at all times.
- Member communications, telephone, written and oral are a central part of Society of Plastics Engineers day-to-day business. Contract Educator will be expected to treat member communications as a top priority.

Relationships:

- Internally: Outreach Director/Coordinator, SPE Foundation Director, SPE Staff
- Externally: 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 drivers license, clean driving record.
- Special Knowledge, Skills and Abilities: Excellent verbal and written communication skills, to include good spelling and grammar; ability to handle a variety of projects simultaneously; ability to travel extensively, possibly a full week at a time; ability to work overtime. Customer service and team player skills essential.



Sponsor Advertising Guidelines

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Email: csurbrook@midlandcompounding.com, or Bob Petrach at:
robertpetrach@aol.com, for space reservations.

We need sponsors for the *Trends & Topics* Newsletter!

To reach our members SPE Detroit Section distributes an electronic Newsletter 6 times a year. All ads are full color and copies of the newsletter are posted on the Detroit Section website. A limited number of copies will only be printed to promote the section at various shows.

Acceptable file formats for advertising include:

- Portable Document Files (PDF) *preferred*:
Smallest file size, or images a 96 – 100 DPI. Fonts must be imbedded.
- Photoshop *.tif Files:
96 – 100 DPI resolution, RGB color model.
- JPG Files:
Low to medium resolution, RGB color model.
- Adobe InDesign CS 5 Files:
Files can be converted in-house to web content.

If any other formats are to be submitted, please contact Jim at Maple Press, 248.733.9669, fax 248.307.0819, or orders@maplepressprinting.com.

In addition to the ad, Sponsors of PC level and greater, will have the opportunity to publish a press release once per year.

Note: Artwork approved for your first newsletter is the artwork that will be used for the entire year.

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PPS Level \$250	1/2 Page Color Ad 7-3/4" x 4-3/4" (196.8499 mm x 120.6499mm)	
PEEK Level \$417	Full Page Color Ad 7-3/4" x 10-1/4" (196.8499 mm x 260.3499mm)	

Advertising rates are based on a 6 time run starting in September. Please email or call for information on other Sponsorship opportunities or less than full year rates after October 1st.

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JUNE

21



SPE DETROIT Annual Golf Outing

June 21, 2016



Bay Pointe Golf Club

4001 Haggerty Rd. West Bloomfield, MI

When: June 21, 2016

Time: 11:00am - Shot Gun Start!

Format: Four person scramble, best ball.

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**Don't miss out on your chance to win a scholarship from Detroit SPE
DEADLINE - AUGUST 8, 2016**

See http://spedetroit.org/?page_id=52 for application

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

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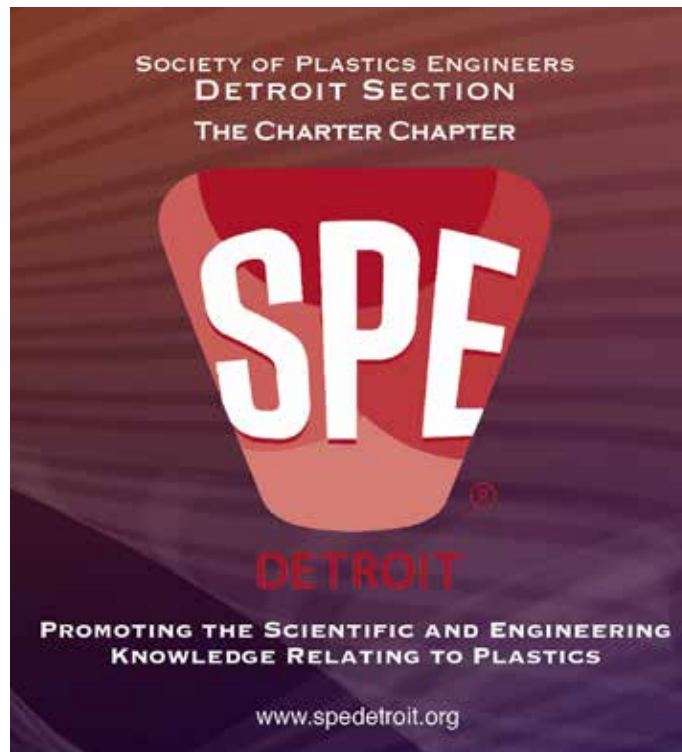
University of Detroit Mercy

University of Michigan

Wayne State University

Application Procedure:

To be considered for a SPE Detroit Section Scholarship, applicants must submit a complete application package (**electronic copy preferred**) by August 8th, 2016 as outlined in the



application checklist. Application and all checklist documents must be sent together via hard copy or email to the 2016 Scholarship Committee Chairperson (Tom Miller).

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



2015 Society of Plastics Engineers Detroit Section Application Form

Name:	<input type="text"/>	SPE CST ID / Membership #:	
Home Address:	<input type="text"/>	School Address:	<input type="text"/>
Phone #:	<input type="text"/>	email:	<input type="text"/>

Education Information:

- School you attended last year & major:
- School you will attend in the Fall of 2016 & major:
- What was your GPA last semester (4.00 scale):
- What is your cumulative GPA (4.00 scale):
- When do you plan to graduate (month/year):
- Highlight the class that applies to you for the Fall of 2016:
Graduate 5th Year Senior Senior Junior Sophomore Freshman
- Does your school have an active SPE Student Chapter: Yes No
- If your school has an active SPE Student Chapter, confirm your membership status, list any offices held and provide contact information for your Student Faculty Advisor:

Application Statement:

The information provided in my application is, to the best of my knowledge, complete and accurate. I understand that false statements on this application will disqualify me from a scholarship award.

By submitting this application to the SPE Detroit Section for consideration, I give permission for any college or school to release all information necessary to process my application to the Society of Plastics Engineers Detroit Section Scholarship Committee.

Electronic Signature	<input type="text"/>	Date	<input type="text"/>
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Application Checklist:

Please submit a **complete** application package (all checklist documents must be sent together via email or hard copy) by **August 8th, 2016** to:

Tom Miller – SPE Detroit Section Scholarship Committee Chairperson
BASF Performance Materials
1609 Biddle Avenue
Wyandotte, MI 48192
Thomas.Miller@basf.com
586-291-5289

- Completed SPE Detroit Section Application Form***
- Headshot photo (.jpg format) that may be used in SPE Detroit Section publications***
- Copy of resume showing work experience, school and community activities & honors***
- Unofficial copy of transcripts from all colleges and universities attended***
- A 500 word essay (1 page maximum) on your career aspirations in the Plastics Industry***
- Two letters of recommendation: can be from a school official (professor, advisor, administrator, etc...), previous/current employer or non-relative.***

Application Essay:

No more than 500 words and 1-page maximum

“My Career Aspirations in the Plastics Industry”

22nd Annual Material Auction

April 1, 2016 at MGM Grand Detroit

The Detroit Section of the Society of Plastics Engineers (SPE) will hold its 22nd Annual Material Auction on Friday, April 1, 2016 at the MGM Grand Hotel & Casino, Detroit, MI. This event raises funds for the Educational Programs of the Detroit Section. As you know, the primary focus of the SPE is: providing scholarships to individuals pursuing careers in various plastic disciplines at local colleges and universities; supporting student chapter directives; providing educational/technical seminars to SPE members and student members; and sending the PlastiVan™ to local elementary, middle and high schools. The PlastiVan™ educates students about the chemistry, processing, sustainability, and application of plastics.

We hope that your company will support our program via the donation of materials or by attending the auction and purchasing donated materials. The benefits you will receive from your donation and attending this event include:

- A **legitimate tax write-off** for any or all materials you donate,
- An opportunity to advertise your company logo **free of charge** on the TV monitors at the MGM Grand Hotel & Casino during the Material Auction,
- A chance to entertain customers and suppliers at a great event and to continue to grow the membership of SPE, and
- You might even have newly formulated products whereby our auction may be used as a marketing vehicle.

Recognition awards will be presented to the **Top Bidder** and **Top Donor** based on the results of the 2015 SPE Detroit Section Material Auction, and we will have live entertainment prior to the auction. We appreciate your support of this vital activity and hope you can attend the auction, meet the people bidding on your material, and interact with other SPE members.

<p>TICKET INFORMATION</p> <p>Price: \$60 each or \$400 for table of eight (8)</p> <p>Time: 4:30PM-5:30PM Registration & Open Bar 5:30PM-7:00PM Dinner 7:00-9:00 Material Auction</p>	<p>RESERVATIONS</p> <p>Contact Karen Rhodes-Parker</p> <p>E-Mail: Karen@spedetroit.org</p> <p>Phone: (248) 244-8993</p> <p>Fax: (248) 244-8925</p>
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Now in its 18th year, the show is the world's leading automotive engineered polyolefins forum featuring 60+ 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 show will be held **Oct. 2-5, 2016** at the Troy-Marriott (Troy, Michigan) in the suburbs of Detroit.

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THE SPE TPO *Automotive Engineered Polyolefins Conference* typically draws over 800 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 18, 2016** and Papers/Presentations on **July 29, 2016**. Email abstracts/papers to TPOpapers@auto-tpo.com or fill out the online form at:

<http://auto-tpo.com/index.php/sessions/2016-speaker-application>

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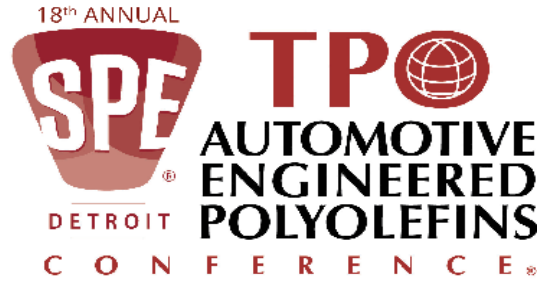
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INNOVATIVE PARTS COMPETITION

The TPO Conference will be hosting a parts competition for the most innovative TPO applications.
GET YOUR NOMINATIONS READY
Details to follow...Stay tuned...

CALL FOR PAPERS

ABSTRACT DEADLINE: APRIL 18, 2016
COMPLETED PAPERS: JULY 29, 2016
EMAIL TO: TPOPAPERS@AUTO-TPO.COM

Be part of the SPE Automotive Engineered Polyolefins Conference and learn how TPOs are driving value, light weight, and innovative automotive solutions. This premier conference draws over 800 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.

2016 TPO CONFERENCE SESSIONS & SESSION CHAIRS:

Scope of each session and suggested topic areas are provided on the conference website:

www.auto-tpo.com

Advances in Automotive Polyolefins

Neil Fuenmayor, LyondellBasell Industries

Rigid Polyolefin Compounds

Mike Balow, Asahi Kasei North America
Ermanno Ruccolo, Mitsui Plastics, Inc.

Sustainability & Biobased Polyolefin Materials

Susan Kozora, International Automotive Components (IAC) Group
Dr. Alper Kiziltas, Ford Motor Co.

Interior Soft Trim: Skins, Foams and Components

Robert Eller, Robert Eller Associates LLC
Dr. Sam He, Inteva Products, LLC

Process Enabling Technologies

Kurt Anthony, Washington Penn Plastic Co., Inc.
Dr. Suresh Shah

Surface Enhancements

Dr. Rose Ryntz, International Automotive Components (IAC) Group
Jeff B. Crist, Ford Motor Co.
Jim Keller, United Paint & Chemicals Corporation

Lightweighting Polyolefin Parts

John Haubert, FCA US LLC
Normand Miron, Washington Penn Plastic Co., Inc.

Adhesives and Coatings for TPO

Hoa Pham, Freudenberg Performance Materials
Dr. Pravin Sitaram, Haartz Corporation

Modeling for Performance Prediction

David Helmer, General Motors
Jeff Webb, Ford Motor Co.
Hanno Van Raalte, Autodesk, Inc.

TPOs for Vehicle NVH Control

Jim Hemphill, Dow Elastomers
Joel Myers, Hyundai America (HATCI)

KEY CONFERENCE CONTACTS:

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A block of rooms have been reserved at Marriott-Troy for the SPE Automotive Engineered Polyolefins Conference

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

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Troy, MI 48084
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SPE Conference Liaison
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SPE on your Smartphone!

You have probably downloaded the **SPE Mobile** app for the SPE International website and the **Plastics Engineering** magazine app, but have you created your own app for the **Detroit Section** website? I hope you are a regular visitor to our local website spedetroit.org on your desktop and laptop, but take a look at it on your smartphone.

Our website is designed to be mobile and tablet friendly. Here are a few samples of what you see on an iPhone.



The Home Page has a drop-down menu for

- **About Us** with the Board and Minutes
- **Events** listing our upcoming Meetings, Conferences, and Plant Visits, many of which are free to members
- **Newsletters & News Briefs** with all recent publications and a photo gallery of past events
- **Education/Scholarships** including request forms, PlastiVan, and Student Chapters

You can scroll down on the Home Page to find links for our Social Media sites, Twitter, LinkedIn, and Facebook; our Featured Events; SPE Membership; the SPE International website, The Chain; and the logos of the Sponsors of our newsletter, website and various activities.

The banner links are for our Featured Events

- April 1 Material Auction
- May 10 AutoEPCON
- June 21 Annual Golf Outing
- October 2-5 TPO Conference



It's good to have all of this information in your pocket. Share it with your associates!



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