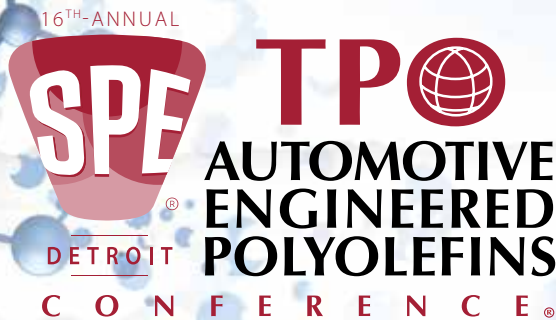


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Volume 59 ▲ Number 2

DETROIT SECTION - SOCIETY OF PLASTICS ENGINEERS - "THE CHARTER CHAPTER"

October 2014

SPE

TRENDS & TOPICS



President's Message

Dr. Sassan Tarahomi, IAC Group
President

My fellow SPE Detroit Section Members we celebrated our Fall kick-off Technical Dinner Meeting at Eastern Michigan University just this past Monday September 15. I would like to thank our sponsors of this event, Styron, Advanced Composite, Techno Polymer, IAC, SPE Detroit Section, and EMU Banquet Center for making it possible to offer these events at no cost to many students and SPE guests and our hardworking board members. I also like to extend my thanks to those friends, colleagues, SPE board members, and our guests who attended this event. It was an especially important night for me and I will always remember your support, **thank you!**

The event started by yours truly welcoming all attendees and then a quick dinner and a presidential speech which I promised to my wife to keep it very short. I was able to deliver the speech about my six key initiatives: **Volunteerism**, **Communication**, **Knowledge**, **Growth**, **Next Generation**, and **Preserving our History** within 8 minutes. Next our Awards Chair Mr. Nippani Rao announced the 2014 SPE Detroit Section Outstanding Member Award presentation by Mr. Peter Grelle. Peter introduced our 2014 SPE Detroit Section Outstanding Member award recipient Dr. Rose Ryntz from IAC followed by award presentation and a picture with the entire SPE Detroit Section board members present at the event.



Dr. Ryntz acceptance Speech

Dr. Ryntz with the SPE Detroit Section Board members.



Mr. Ron Price our Emeritus board member is busy taking the picture.

Dr. Lokensgard, a long time faculty of the Eastern Michigan University was the main speaker for the event and he covered the past, present and future of plastics program at Eastern Michigan University for the Audience and followed by Q& A.

I was very pleased and excited to see several students of Eastern Michigan University "Plastics Product Design" program attending the event. I even had a few minutes after the event discussing the great opportunities available here in Michigan for Plastics professionals upon graduation.

We have many more exciting events and conferences lined-up for you and here are a quick list of them just-in-case you missed my last month message.

October 6 – 8, 2014 - Is our sixteenth annual SPE TPO Automotive Engineered Polyolefins Conference at Marriott Troy.

October 20, 2014 – The Next Generation at Best Western, Sterling Heights, we will listen to couple of great presentations by the current and past Next Gen Advisors and SPE International V.P. Mr. Sergio Sanchez from Boeing Corporation and Dr. Jaime Gomez from Novatec.

February 23, 2015 – Intellicosting visit in Troy.

March 16, 2015 – Is the trip to Mid Michigan Community College (MMCC) and learning about their Plastics program and tour their lab facility

May 5, 2015 – AutoEPCON at Marriott -Troy

May 11, 2015 – HiTech plant visit

June 2015 – Turner Alfrey Visiting Professor Program at Michigan Molecular Institute (MMI) in Midland
In summary, I would like to let you know that it's truly a fun experience to be a member of SPE and even more fun to serve in various leadership positions. We have lots of work and lots of fun ahead of us and I like to invite you to join me in having a great time here at SPE Detroit Section.

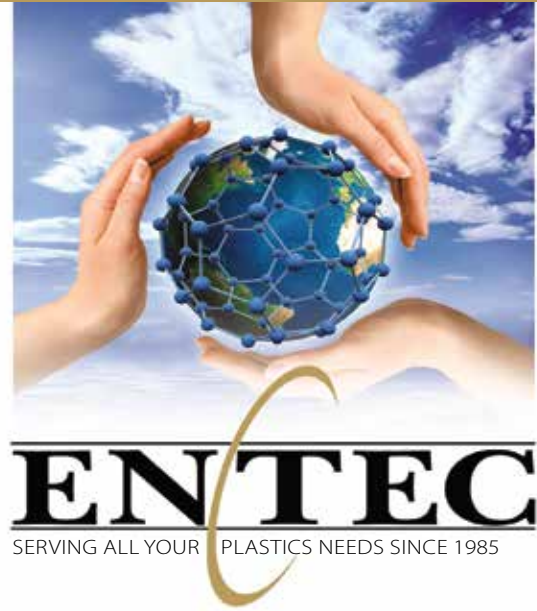
“Sign up for SPE membership today and let the fun begin”

Looking forward to hearing from all of you.

With lots of fun ahead!

Your friend,
Sassan Tarahomi
President, SPE Detroit Section

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Schedules for this school year visits are being made now.



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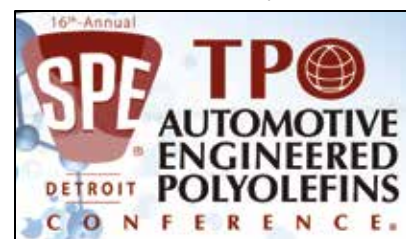
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Monday, October 6, 2014

Updated 9.19.14

- 7:00 AM **Breakfast (Sponsor TBD)**
- 7:30 AM **Registration**
- 8:30 AM **Welcome Remarks:** Conference Co-Chairperson Bill Windscheif
- 8:45 AM **Keynote Speaker: Global Automotive Outlook:**
John Sousanis - WardsAuto, Director of Information Content
- 9:15 AM **Keynote: Changing Role of NA in Global Energy, Chemical and Polymers Production Due to Shale Gas:** Kurt Aerts - ExxonMobil Chemical, VP Supply Chain
- 9:45 AM **Technical Program Highlights:** Pete Grelle/Norm Kakarala
Lunch Sponsor and Reception Sponsor Remarks
- 10:00 AM **BREAK:** Sponsored by the **SPE Detroit Section**



	Conference Hall- I	Conference Hall-II	Conference Hall-III
	Interior Soft Trim: Skins & Foams Robert Eller, Robert Eller Associates, LLC/David Helmer, General Motors Corp.	Advances in Automotive Polyolefins Neil Fuenmayor, LyondellBasell/Laura Soreide, Ford Motor Company	Bio-Based Materials Susan Kozora, IAC/Dr. Ellen Lee, Ford Motor Company
10:30 AM	Challenges and Opportunities for TPOs and Polyolefins in Automotive Interiors: Robert Eller, Robert Eller Associates LLC	Advancements in Composite Structural Closures: David Lipka, Nissan	PLENARY SPEAKER Polyolefin Bioplastics and Biocomposites for Automotive: Karen Stoeffler, National Research Council of Canada
11:00 AM	Comfort Aspects for the Automotive Interior: Dr. Juergen Buehring, Benecke-Kaliko AG	Elastomer Development for High Flow TPOs: Mary Ann Jones, The Dow Chemical Company	
11:30 AM	Advances in TPO Synthetic Leather Interior Trim: Walter Robar, Haartz Corporation	Development of Next Generation TPO Materials of High Mold Flowability: David Choi, LyondellBasell	Bio Based Fillers for Polypropylene for Interior Application: Joel Myers, Hyundai-Kia America Technical Center Inc.

12:00 PM **LUNCH:** Sponsored by **Sumitomo Chemical Company**

1:30 PM	CAE –Assisted Design of Instrument Panels: Material Testing and Modeling for the Prediction of Laser Scoring Line Behavior in Airbag Deployment: D.Brancadoro, D.Marino, M.Olivero, M. Servetti, M. Nutini, M.Vitali, Fiat/LyondellBasell	The Challenges of Automotive Business in South America: Mariana Machado, LyondellBasell (Basell Poliolefinas Ltda.)	Breaking All The Rules (and then some!!): Jorge Cortes, Weyerhaeuser Company
2:00 PM	Mistocell®, A New Effective Nucleating Agent in TPO Foamed Formulation: Parashar Davé, Imerys	Recycling Painted Polyolefin Parts for 2014: Paris Stetkiw, ACI Plastics	Polyolefins Recovered from Shredded End-of-Life Vehicles: Brian Riise, MBA Polymers
2:30 PM	Next Generation of New and Improved Soft Foams for Automotive Interiors: Jesse Baldwin, Toray Plastics	Processing of Recycled Polypropylene-Clay Nanocomposites: Weijie Ren, Michigan State University	Concerto™: Wood Fibre Polymers for Injection Moulded Automotive Applications: Dr. Alex Baltazar, Magna Exteriors

3:00 PM **BREAK:** Sponsored by **Cimbar Performance Minerals**

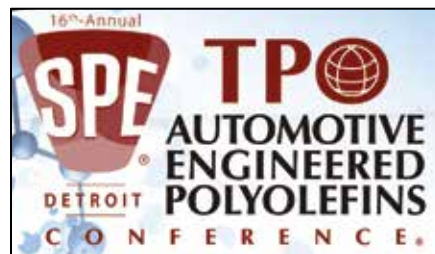
Monday, October 6 - Continued



	Conference Hall-I	Conference Hall-II	Conference Hall-III
	Interior Soft Trim: Skins & Foams Robert Eller, Robert Eller Associates, LLC/David Helmer, General Motors Corp.	Advances in Automotive Polyolefins Neil Fuenmayor, LyondellBasell/Laura Soriede, Ford Motor Company	Bio-Based Materials Susan Kozora, IAC/Dr. Ellen Lee, Ford Motor Company
3:30 PM	New PP Development Combined with Advanced Foaming for State of the Art Light Weighting: Markus Kralicek & Michael Fischer, Borealis Polyolefine GmbH /ENGEL Austria GmbH	Enabling TPO To Meet Automotive Needs: Dr. Andrea Landuzzi, Cytec	Utilizing Thermoplastic BioPolymers for Light Weighting Parts in the Transportation Industry: Robert Joyce, Innovative Plastics and Molding Inc.
4:00 PM	Bonding Properties and Structures Between TPVs and EPDM Vulcanizates for Automotive Profiles: Michio Morita, JSR Corporation	Advanced Halogen-Free Flame Retardant Technology for Polyolefins: Takahiro Horikoshi, ADEKA Corp	OPEN
4:30 PM	Ultra-High Flow TPV SUNVIEO™ for Automotive Interiors: Yukinori Nakajima, Asahi Kasei Chemical Company	Advanced Solutions in Haptics and Aesthetics for Automotive Applications: Linda Havermans, SABIC	OPEN
5:00 PM	EVENING RECEPTION: Sponsored by ExxonMobil Chemical Company		

Tuesday, October 7, 2014

- 7:30 AM **Registration & Continental Breakfast:** Sponsored by TBD
- 8:00 AM **Welcome Remarks:** Conference Co- Chairperson Jeff Valentage
- 8:15 AM **Keynote: Shale Gas Impact on the NA Plastics Industry:**
Bart Bowser - Dow Chemical, Global Product & Asset Director
- 8:45 AM **Keynote: What It Takes to Meet the Current & Future Demands of the Global Automotive Market:** Sergey Vasnetsov - LyondellBasell, Senior Vice-President, Strategic Planning & Transactions, Global Polypropylene Compounds
- 9:15 AM **Lunch Sponsor and Reception Sponsor Remarks**
- 9:30 AM **Presentation of the 2014 TPO Parts Competition Awards**
- 9:45 AM **BREAK:** Sponsored by IAC



	Conference Hall-I	Conference Hall-II	Conference Hall-III
	Interior Soft Trim: Skins & Foams Robert Eller, Robert Eller Associates, LLC/ David Helmer, General Motors Corp.	Lightweighting of Polyolefin Parts John Haubert, Chrysler Group LLC/ Normand Miron, Washington Penn Plastics	Thermoforming of TPO Materials Ed Bearse, Advanced Plastics Consultants/Rob Philp, A. Schulman Co.
10:15 AM	Introduction of Highly Functionalized TPE (ESPOLEX® 7000 and WT537): Takeshi Tominaga, Sumitomo Chemical Company	PLENARY SPEAKER Plastics and Polymer Composites Technology Roadmap for Automotive Markets: Matthew Marks, American Chemistry Council – Plastics Division	A New Glass Fiber Reinforced Thermoforming TPO: Dr. Eduardo Gonzalez, Mytex Polymers
10:45 AM	New TPE's Based on Multiple Elastomeric Phases: Bryan Kazmer, Vi-Chem Corp	Newest Developments in Light Weighting, CLTE, Stiffness/Impact Performance and Shrinkage Control for Automotive PP Compounds Through the Use of Additive and Filler Technologies: Melissa Copeland, Milliken	Enhance Heavy-Gauge Thermoformed Products with Solarkote® T Acrylic Capstock System: Jack Reilly, Arkema
11:15 AM	Expanded Thermoplastic Polyurethane Beads: Thermal, Foaming and Sintering Behaviors: Dr. Chul Park, University of Toronto	Imerys Mica: A Performance Additive for Sound Dampening Applications Jim Harper, Imerys	Thermoformed Twin Sheet Parts for Transportation: John Novitt, Wilbert Plastics Inc.

11:45 PM **LUNCH:** Sponsored by **Advanced Composites, Inc.**

	Surface Enhancements Dr. Rose Ryntz, IAC/ Jim Keller, United Paint Co.	Lightweighting of Polyolefin Parts John Haubert, Chrysler Group LLC/ Normand Miron, Washington Penn Plastics	Thermoforming of TPO Materials Ed Bearse, Advanced Plastics Consultants/ Rob Philp, A. Schulman Co.
1:00 PM	Interaction of Colorants, Active Ingredients and Fillers in Thermoplastic Resins, Part II: Dr. Steve Goldstein, Clariant	Mineral Filled Polypropylene for Lightweighting Automotive Compounds: Julie Ramone, Braskem	Equipment Features To Be Considered for Thermoforming TPO Materials: Steven Clark, Monark Equipment
1:30 PM	TPO Scratch & Mar Predictability by Simulation: Dr. Sassan Tarahomi, IAC Group	New Generation Light Weight PP Compounds Redefine Interior Performance and Weight Savings Potential: Douglas Mosier, LyondellBasell	A High Gloss TPO Alternative to Acrylic Capped ABS Sheet: Fred Galle, A. Schulman, Inc.
2:00 PM	Novel Saturated Slip Additive with Superior Oxidative Stability: Aaron Huguet, Croda	All-Plastic Tailgate Design: Maximizing Weight Savings, Functionality and Styling Freedom: Matthew Delaney, SABIC	Assessing the Thermoforming Performance of Thermoplastic Polyolefin (TPO) Materials Using a Thermoforming Index: Sunit Shah, Equistar Chemicals LP
2:30 PM	Polypropylene Impact Copolymers for Improved Surface Aesthetics: Rheological Characterization and Testing: Joel Carr, Braskem	Effect of Thin Walling and Foaming on TPO Part Performance: Jason Fincher, Advanced Composites, Inc.	OPEN

Tuesday, October 7 - Continued

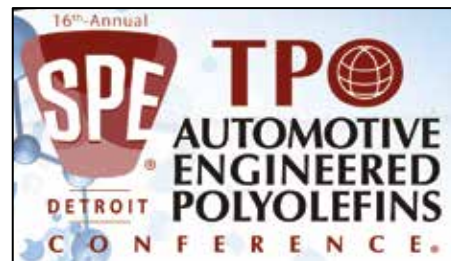


3:00 PM BREAK: Sponsored by **A. Schulman, Inc.**

	Surface Enhancements Dr. Rose Ryntz, IAC/ Jim Keller, United Paint Co.	Rigid Polyolefin Compounds Mike Balow, Asahi Kasei North America/Ermanno Ruccolo, Mitsui Plastics Inc.	
3:30 PM	The Use of OIT in Automotive: Eileen McCotter Gallihugh, IAC Group	Mechanical Characterization Methodologies for TPOs: Is there Room for Improvement? Abhiram Kannan, Georgia Institute of Technology	OPEN
4:00 PM	Using Reactive Gas Technology to Enhance Surface Properties of TPO: Prakash Iyer, Inhance Technologies	Simulating the Effect of Processing Conditions on the Structural Performance of Glass Fiber Reinforced Composites: Daniel Dubiel, Asahi Kasei Plastics, NA	OPEN
4:30 PM	New TPO Surface Treatment Technologies for Adhesion: Andy F. Stecher, Plasmamatreat	Reducing Hazardous Substances in Passenger Cars: Colin Chen, Basell Advanced Polyolefins (Suzhou) Co., Ltd.	OPEN
5:00 PM	Emerging Technologies in Coatings: Dr. Jamil Baghdachi, Eastern Michigan University	New Trend of Car Weight Reduction by Using Long Carbon Fiber: Sungmin (Simon) Cho, Lotte Chemical	OPEN

5:30 PM **EVENING RECEPTION:** Sponsored by **SABIC Innovative Polymers**

Wednesday, October 8, 2014



7:30 AM **Registration & Continental Breakfast:** Sponsored by TBD

8:00 AM **Introduction of Keynote Speaker:**

Conference Co-Chairperson: Bill Windscheif

8:15 AM **Keynote: Future Trends in Vehicle Efficiency — An Opportunity or Challenge to Future Growth of TPOs in Vehicle Interiors:**

Doug Pickett - General Motors Co., Engineering Group Manager - Product Development

8:45 PM **BREAK: Sponsored by the SPE Detroit Section**

	Conference Hall- I	Conference Hall-II
	Adhesives & Coatings for TPOs Pravin Sitaram, Haartz Corp./ Hoa Pham, Avery Dennison	Rigid Polyolefin Compounds Mike Balow, Asahi Kasei North America/Ermanno Ruccolo, Mitsui Plastics Inc.
9:15 AM	Latest Improvements in Hot Melt Adhesives: Thomas Hohberg, Jowat	Innovative, Value-Added and 100% Recycled Based Polyolefin Alloys, Blends and Compounds and Their End Use Applications: Deen Chundury, Wellman Engineering Plastics
9:45 AM	Hot Melt Polyolefin Adhesives Overview: Michael Vitrano, Bostik	Innovative Glass Fiber Applications – from the Pellet to the Part: Gisela Lehner, Borealis

10:15 PM **BREAK: Sponsored by the SPE Detroit Section**

10:30 AM	Pressure Sensitive Adhesive for Difficult Automotive Applications: Kevin Gofron, Avery Dennison	Aspect Ratio Engineering to Enhance Polyolefin Performance Attributes for Structural Applications: Katie Shipley, Asahi Kasei Plastics, North America
11:00 AM	Primerless Adhesives for Substrates: Michael Pollock, Phibrochem	Functional Additives for Polyolefins: Stephen E. Amos, 3M Company
11:30 AM	Chemlok® Adhesive Systems for Bonding Lightweight Substrates: Emmanuel Pitia, Lord Corporation	Aluminum Tooling for High Volume Automotive Applications: Lessons Learned and Best Practices: Darcy King, Unique Tool

12:15 PM **LUNCH – Boxed Lunch provided by the SPE Detroit Section**

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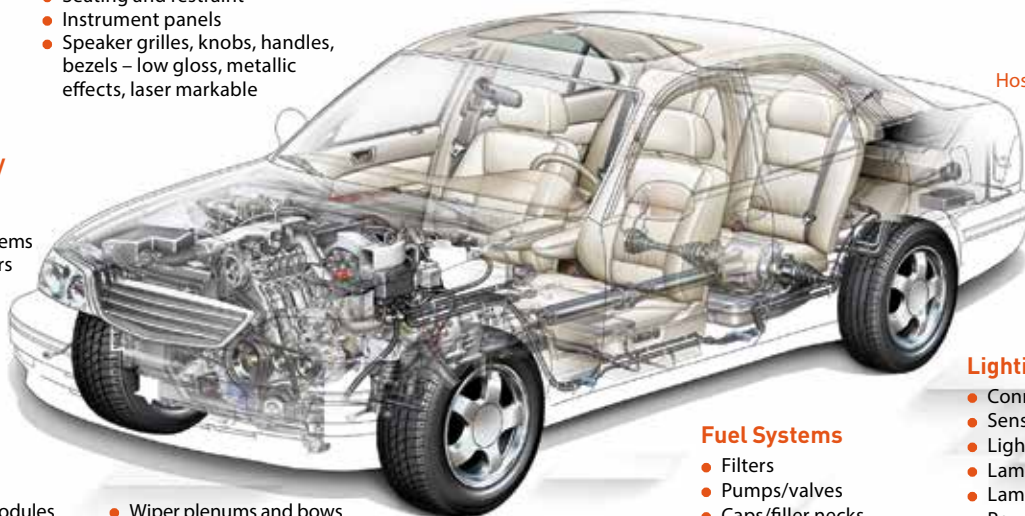
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2014-2015 SPE Detroit Section Scholarship Recipients

Tom Miller, BASF Performance Materials
Scholarship Committee

The 2014-2015 SPE Detroit Section Scholarship Committee awarded over \$26,000 to the following students. CONGRATULATIONS to all recipients and best of luck in your continued pursuit of excellence.

Sharna-Kay Dobney - \$1,000

Graduate Student – MS Engineering Management & BS Chemical Engineering
Kettering University
SPE Student Chapter Past President and Graduate Liason



I am Sharna-Kay Dobney, I received my bachelor's degree in Chemical Engineering in June of 2013 and I am currently pursuing a Master's degree in Engineering Management at Kettering University. Currently, I am the graduate student advisor and liaison to the university's SPE chapter. In addition, I am a teaching assistance for industrial and manufacturing process lab where students are introduced to injection molding and thermoforming among other processes. I am truly honored to be a recipient, and I am thankful for SPE Detroit Section's generosity in providing me and other recipients with scholarships. It will definitely propel us a step further in pursuing our dreams. It is my dream to make a difference in the plastic industry by contributing to the development of more eco-friendly plastic components and light-weight engineering polymers for the automotive industry in an effort to promote sustainability.

Joel George - \$1,100
Senior – BS Mechanical Engineering
Kettering University
SPE Student Chapter Treasurer



In recent years, there has been a greater push for plastics in the auto industry. So, the goal for my future is to work at a company that works directly with plastic parts for automobiles. I would like to be a product engineer directly designing vehicle parts. Through the designing of parts, I hope to increase my knowledge of the manufacturing of plastics to better implement a design for assembly in all my product designs. My goal is to also study other polymers to introduce the use of different plastic materials in the industry. With the knowledge and experience I will gain about different plastic materials and the different processes used, I know I will succeed in the plastics industry.

Jarrett Peplinski - \$2,500
Senior – BS Chemical Engineering
Michigan State University
SPE Student Chapter President



I have worked in many roles in the polymers industry and I hope to continue this in my future career. I hope to enter my career working as a process or manufacturing engineer to be able to become an expert in the process in which my company uses to manufacture its products. After a few years I hope to move into a research position and help create the future products of the plastics industry.

Miranda Koenig - \$2,000
Senior – BS Chemical Engineering
Kettering University



Thank you so much for the scholarship. When I graduate, I hope to enter the plastics/polymers industry focusing on 3D printing and bioplastics with a green engineering focus. 3D printing really intrigues me. I love specifically how 3D printing can be used for modeling for the medical industry. Plastics can now be used for scale models for any bone or organ of the human body, and is helping the medical industry immensely through 3D printing. I would love to work with bioplastics as 3D printing technology continues to advance. My time recycling bottles for Kettering's SPE has given me a sense of conservation and environmental consciousness. Polymers and plastics are being used to pave the way for so much of today's latest innovations, and I'm excited to be a part of it!

Ben Braskett - \$1,000
Senior – BS Mechanical Engineering
Kettering University



Although I am soon to graduate in December, my future career plan within the plastics field is still quite unknown for me. I am from Washington state and am applying for several jobs nearby that are both in the plant working with plastics machinery and outside of the plant designing plastic parts. I have found both of these aspects of the plastics industry to be interesting possible career paths and I have not yet decided which I prefer. After a few years of experience in the plastics engineering world, I am sure that I will find a career path that involves plastics in a way that I enjoy and can innovate.

Kristen Macfarlane - \$2,200
Senior – Chemical Engineering
Michigan State University
SPE Student Chapter Secretary



My career goal is to become a plastics engineer in either the medical or automotive fields. After earning my undergraduate degree in chemical engineering in 2015, I hope to work in a position where I can positively contribute to the plastics industry. My education as well as my internships in the medical and automotive fields have inspired me to pursue a career in material science engineering. Thanks to the Society of Plastics Engineers, I've become interested in a career in plastics engineering specifically.

Kelsey Luibrand - \$2,000
Senior – Material Science & Engineering
University of Michigan



My name is Kelsey Luibrand and I am currently a senior at the University of Michigan (Ann Arbor). My major is in Materials Science and Engineering and my interests reside in polymers. I spent the last two summers interning at Celanese Corporation, where I helped manufacture and test thermoplastic materials used in automobiles. Once I graduate, I am hoping to obtain a career in material selection and the design of vehicle components. After attending the Wards Auto Interior Conference this past year, I have been really interested in designing the interior of cars. However, I would also be interested in working with plastics in the fuel delivery system.

Andrea Mitrink - \$1,750
Senior – Plastics Engineering Technology
Ferris State University
SPE Student Chapter President 2012-2014
SPE Student Chapter Secretary 2011-2012



Once I graduate in December I plan on taking on an application development engineer type of job working with customers. I liked working with a resin manufacturer as opposed to a product manufacturer and hope to secure a job with one within the next couple of months. I then plan on continuing my education by getting a masters and then possibly a Ph.D. if it'd prove beneficial. Either way I am pleased that I chose the plastics industry.

Claire Davey - \$1,200
Senior – Polymer Science & Plastics Engineering Technology
Ferris State University
SPE Student Chapter Vice President 2012-2014



My name is Claire Davey and I am a senior at Ferris State University in the Polymer Science and Plastics Engineering program. I would like to thank the SPE Detroit section for selecting me for this scholarship. I will be graduating in December and am very excited to start my career in the plastics industry with Chase Plastics Services, as a Technical Sales Associate. I look forward to applying the technical knowledge and interpersonal skills I acquired during college and hope to, some day, become a Regional Sales Manager for Chase Plastics, developing and training young plastics professionals in the technical sales and application development side of the industry.

Christopher Orr - \$1,500
Junior – Chemical Engineering
University of Michigan



My name is Chris Orr and I am a junior at the University of Michigan studying chemical engineering. As the son of a chemical engineer who works with plastics on a day-to-day basis, I have had the privilege of being introduced to an industry that plays a role in every single aspect of society and the economy. As an intern with BASF this summer, I was fortunate enough to tour a selection of plants at the Wyandotte site, some which produced plastics for a variety of different applications. After graduation, I hope to enter the plastics industry and help design manufacturing sites like these that might help produce an original material that will change the way the industry works. At some point, I would also love to be involved in the research and development of plastics as I know there is an enormous amount of potential to develop new, innovative products.

Eli Fesler - \$1,500
Junior – Polymer Science & Plastics Engineering Technology
Ferris State University



Going through the plastics program at Ferris State University has really been a great experience for me thus far. I have completed a majority of the coursework required for graduation and completed a summer internship with a processing technician focus as well as a eight month CO-OP with a computer aided engineering focus. I have at this point a very diverse skill set and at this point wish to use the complete range of that skill set when I move into the plastics industry. After I graduate I would like to start a career as a Technical Development Engineer, using both my technical background and hands-on personality as well as my more analytical mindset that has served me well in the past. I again would like to graciously thank the Detroit Chapter of SPE for this wonderful award and assure them that it will be put towards the furthering of my education and helping me to become a successful member of the plastics industry someday.

Heath Harding - \$1,600

Junior – Polymer Science & Plastics Engineering Technology

Ferris State University

SPE Student Chapter Fundraising Chairperson and Golf Outing Coordinator



Upon successful completion of the Plastics Engineering Technology program at Ferris State University, I plan to start my industry career as a Materials Engineer working with Application Development and Material Selection. I look forward to using the knowledge I have gained while working through the Plastics Program to benefit future development applications in either the Automobile or the Medical Industry.

Shane Alexander - \$1,500

Junior – Mechanical Engineering

Kettering University



In my engineering career I plan to work in the composites sector of the plastics industry. Composite materials have so many applications in industries and they are starting to become more common in everyday objects. I want to be a part of the composites industry because of this. As processes and materials are invented and improved, the demand for composite engineering materials is going to increase. For my career, I would like to work on the process side of composite manufacturing. Some of the processes such as, additive manufacturing of composite materials is such a new technology that there is a lot of room for improvement and once this process is fine-tuned the possibilities for these type of materials is endless for not only industries, but consumers too.

Diana Ervin - \$1,500
Junior – Industrial Engineering
Kettering University



I aspire to work in the Plastics Industry to help achieve my goal of creating a more efficient automotive industry. My educational goals are to graduate from Kettering University with a 3.7 GPA and a Bachelor Degree in Industrial Engineering as well as a certification in Six Sigma. Upon graduation, I hope with my Bachelors and certification, I will be ready to join the Plastics Automotive Industry. I desire to work with plastics within one of the big three automotive makers or a possible supplier to assist in reducing the amount of waste they produce.

Kristina Hughes - \$1,500
Junior – Packaging Engineering & Psychology
Michigan State University



My name is Kristina Hughes and I am a junior pursuing a Packaging degree at Michigan State University with an additional degree in Psychology. I intend on going into the plastics field, potentially into the sustainability of plastics or into the design of plastic products. Through the packaging curriculum at Michigan State I became interested in the plastics industry and its many applications. I am particularly interested in making plastic a more renewable resource. Once I graduate, I would like to work in the industry for a while before continuing my education in a Master's Degree.

Troy DeLong - \$1,000
Sophomore – Mechanical Engineering
Kettering University



SPE has greatly increased my involvement with plastics and as a result I am very excited to see what path my career takes me to in the plastics industry. The company I work for is Dart Container Corporation based out of Mason Michigan. A few years ago, Dart bought out and acquired the used to be SOLO Corporation. Dart was not nearly as involved in plastics as Solo was and as a result, the knowledge and experience with plastic material and plastic machines was slight for how big Dart had just become as a company after acquiring Solo. Dart is slowly but surely increasing its efforts to become better with these machines and continue to make improvements and I am striving to take part in that movement with the engineering department. I hope that continuing membership with the SPE will help me develop more skills in the plastics industry and hopefully use that skill and knowledge to better Dart in its current and future endeavors.

Brett Schmekel - \$1,000
Sophomore – Polymer Science & Plastics Engineering Technology
Ferris State University



I aspire to make an impact on whichever aspect of the plastics industry that I start my career in. I would like to earn a position in a successful company involved in the industry, and work hard to achieve as much as possible for that company. I intend to learn and grow as much as possible before I graduate and start my career.

Samantha Chouinard - \$500
Freshman – Packaging Engineering
Michigan State University



As a new member of the plastics industry I aspire to make differences in plastics for the environment and through packaging when I become a packaging major in four years. I plan to gain a great amount of knowledge as to all the different things plastics can do and what they are used for. I hope to become an active and involved part of the industry and find a career in the packaging industry where plastics play a part.



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2014-2015 Technical Program Report

Dr. Sassan Tarahomi, IAC Group

Dear SPE Detroit Section members, our EMU September 15 TDM was a success. Do not worry, we have many more events and activities planned for you. I have updated my TDM event chart and included other fun events that others in the Detroit Section plan for you. Just remember, we do prefer everyone to pre-register by sending an email to Ms. Karen Rhodes-Parker at karen@spedetroit.com.

Specific detail for events will be published at least couple of months in advance to make sure everyone has a chance to plan to attend.

Date	Event	Location
October 6 - 8 , 2014	2014 TPO Conference	Detroit Marriott -Troy Troy
October 20, 2014	TDM / How to Attract Next Generation of Engineers	Best Western, Sterlings Inn Sterling Heights
February 23, 2015	TDM & Plant Tour Intellicosting	Intellicosting Plant Troy
March 16, 2015	TDM / Plastics Program at MMCC	Mid Michigan Community College Harrison
April 10, 2015	Material Auction	MGM Grand Hotel and Casino Detroit
May 5, 2015	2015 Auto EPCON	Detroit Marriott -Troy Troy
May 11, 2015	TDM & Plant Tour	HiTech Tool Sterling Heights
June 2015	Turner Alfrey Visiting Professor Program	Michigan Molecular Institute Midland
June 2015	Technical Dinner Meeting	Michigan Molecular Institute Midland
June 23, 2015	Golf Outing	Bay Pointe Golf Club West Bloomfield

Don't forget to attend the October 6 TPO Conference and the October 20 event. I hope to see many of you in the upcoming events.

Yours truly,

Dr. Sassan Tarahomi
SPE Detroit Section Technical Program Chair



Education Committee Update

Sandra McClelland
Chevron Phillips Chemical Company LP

As the year moves forward we have a number of things happening in the Detroit Section Education committee. We currently have 4 Student Chapters. This is great news as a couple of years ago the Detroit Section unfortunately had no active student chapters.

Total student membership has increase to a total of 105 in September at our Student Chapters. The active Student Chapters are Michigan State University (29 members), Kettering University (24 members), Ferris State University (39 members), and Schoolcraft College (13 members). With the new program that SPE International is offering of 1 year free membership to students, we are hoping to see a further increase in the numbers of students registered in the Detroit Section.

Would you like to help mentor a student? This is extremely valuable for our students and also for the mentors. Please contact me if you are interested.

In October we are working with SPE International and will showcase their Next Generation Advisory Board. This is a great initiative to work to engage students and young professionals in SPE. Come to the Technical Dinner Meeting October 20 to learn more about this great program and share your thoughts and ideas.

Tom Miller and Adrian Merrington have successfully completed the Scholarship program and are in the process of notifying and getting the money to those winners. You will soon see information about them in the newsletter.

The PlastiVan will have 2 new instructors in the area for this year. This will allow better coverage of the PlastiVan locally and give the opportunity to expand the program to other regions. If you are interested in your middle school or high school having a visit from this education program, please contact Tom Miller or Todd Hogan.

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.



SPE Detroit Section Technical Program How to Attract Next Generation to SPE

Date: Monday, October 20, 2014

Time: 5:00 – 8:00 PM

Location: Best Western Sterling Inn
34911 Van Dyke Avenue
Sterling Heights, MI 48312
Ph: (586) 979-1400

Agenda:

5:00 PM	Arrival and Networking
6:00 PM	Dinner
6:30 PM	Presentation by: Mr. Sergio Sanchez/Boeing, SPE International Next Gen Advisor and Dr. Jaime Gomez/Novatec, V.P. SPE International
7:30 PM	Q&A
8:00 PM	Program Ends

Cost: Table of 8 \$300, One Seat \$50, Students Free

Program Topic: How to Attract Next Generation to SPE

Please RSVP with Ms. Karen Rhodes-Parker at Karen@spedetroit.com or call at 248-244-8993 Ext. 3



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Sept. 2014 SPE Council Meeting

Sandra McClelland, Detroit Section Councilor
Chevron Phillips Chemical Company LP

The Council tried something new in an attempt to streamline the council meetings. The Sections, Division, and Council Committee of the Whole (CCOW) were combined into one meeting. Previously there were times when all three meeting had the same discussions and concerns. By combining them this allowed the councilor's to address items of concern once and cover all three groups. This ended up being very efficient and will continue in the future.

There were 2 groups established in the CCOW to work on projects that were defined in the last council meeting.

1. How do we strengthen the European Section? Led by Vicki Flaris.
2. How do we increase membership value? Led by Ralph Starkey.

Both of these will report out in the next council meeting. An additional report will be given by Jon Ratzlaff on Sharing Best Practices with TopCons.

Council I

This is the first meeting after long time Managing Director, Gail Bristol has retired. Russell Broome has accepted the job of Managing Director. You may remember that he is a previous President of the Society. It is great news to have a person from the industry running the organization. Russell will start October 1.

Moving Forward – Wim Devos gave a recap of the moving forward initiative.

1. Upgrade of AMS is complete. This is giving better and more efficient systems to the office moving forward.
2. System Upgrades:
 - a. The website upgrade is complete. Have you taken a moment to look at the new web site www.4spe.org? There are a lot of new things. All ANTEC papers back to 1998 are now in the database and are searchable. This is a great resource. The technical database search function is the second most used page on the website after the home page. Please take a moment and see what is now available on this site. It is definitely an upgrade.
 - b. Apps – There are a number of new Apps that SPE has launched.
 - i. The Events App was used for the AutoEPCON conference earlier this year and is being used for the TPO conference which is in October. Other SPE conferences including ANTEC have also used this App. Read an update about this in Irv Poston's communication article in this newsletter.

- ii. Plastic Engineering – You can now get the Plastic Engineering App that links to the magazine.
- iii. Coming Soon – The Chain: SPE is working to launch a new social media platform called The Chain. Some of the highlights include Tech Talk which is a fully moderated group discussing technical items, SPE Café which allows social interaction, and Career Central for job openings. SPE is currently in beta testing and will start a soft launch October. The Detroit Section Board has been selected to be one of the testers as this moves forward to the next phase. The other Boards that are included in this next testing phase are the Extrusion Division, The European Board, and the Next Generation Board. SPE expects to launch this to the membership in January 2015. Adrian Merrington is working with HQ on this initiative for the Detroit Section
- 3. Building Partnerships – There are a number of partnerships that SPE is working to build. These include relationships with SPI, Plastic News Europe, Plastics Europe, GPCA (Gulf Petrochemical and Chemical Association), and others.
- 4. Address Generation Gaps – there are a number of programs being put into place to address generation gaps and to work to get more young members. One of these that is in place at this time is a short term program to add student members for 1 year free. This will give the students the opportunity to take advantage of all of the opportunities of the Society for the next year.

Since we now only have 2 council meetings per year instead of the previous 4, I have decided to break up the reports into two newsletters. Be sure to watch for the next newsletter for the update of the Council II meeting.

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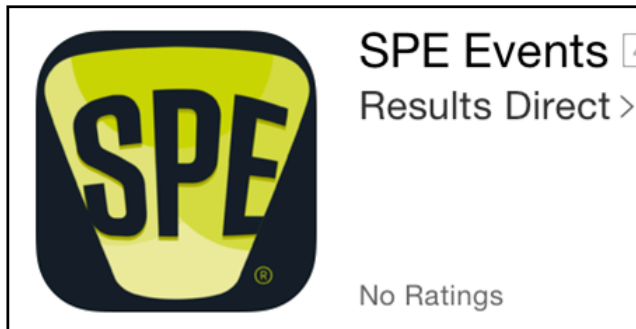
Irv Poston – General Motors (retired)



Apps to Have

I assume that most of you have smartphones and/or tablets. Here are two free apps that you should install if you have not already done so. Shown below are cropped screen shots from an iPhone to illustrate capabilities.

SPE Events



- The official mobile app for SPE events
- Has features that will help you make the most of your time

- Data-syncing lets you share your schedule across all of your devices

- Upcoming Events (incl. TPO Conf.)

- Past Events (like ACCE, AutoEPCON, ANTEC, Dubai, Prague)

- Notifications provide updated info

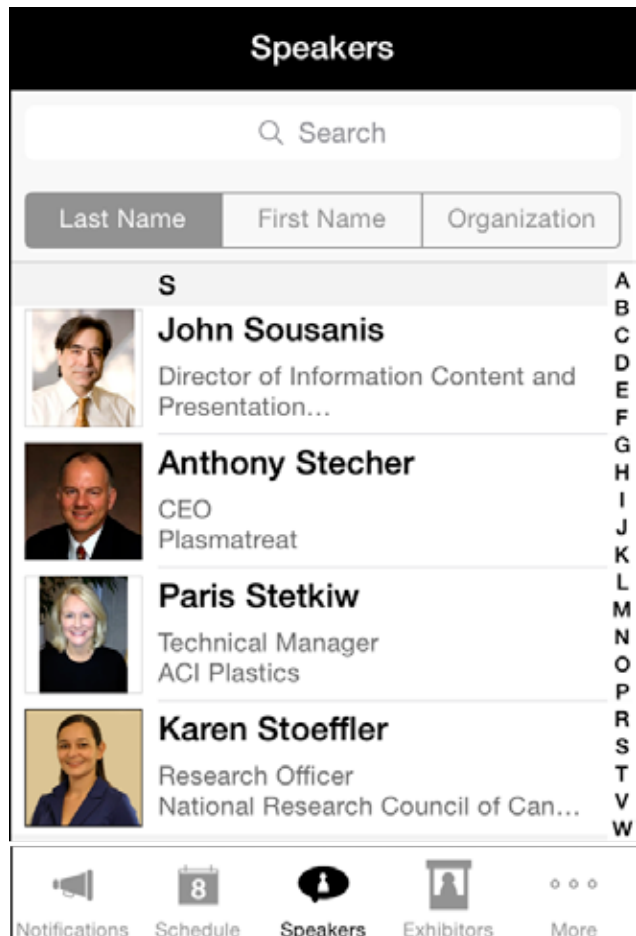
- Schedule your own itinerary from the total program listing and abstracts

- Speakers are listed with their bio and linked to their presentation

- Exhibitors and booth numbers are searchable and linked to the web

- Maps for room and exhibitor locations are included under More info

- Use this app at the TPO Conference



LinkedIn



- Detroit SPEaker posts announcements in three LinkedIn groups
- SPE Detroit Section – 143 members
- SPE International – 33,695 members
- Engineering Society of Detroit – 2,444
- LinkedIn Home Page (sign-in/sign-up) www.linkedin.com
- LinkedIn SPE Detroit Section group www.linkedin.com/groups?home=&gid=4404194
- Join, Like, and Comment in the SPE Detroit Section group
- Check often for new updates

Please note

There are some SPE members in the Detroit area that are not members of the Detroit Section and, therefore, our eblasts are not sent to them. There are also many people in the plastics field that would benefit from membership in the Society. All of our members who receive our eblasts are encouraged to forward them to their friends and associates with a personal note to become a member of SPE and to choose Michigan-Detroit as one of their groups.

Please contact Irv Poston at ieposton@juno.com with any suggestions, comments, or questions about any aspect of e-communications.



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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*:
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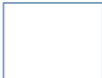

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Advertising rates are based on a 6 time run starting in September. Please email or call for information on other Sponsorship opportunities or less than full year rates after October 1st.





Coming Events

October 5 - 8, 2014
TPO Conference
Troy Marriott
<http://www.auto-tpo.com>

April 10, 2015
Material Auction
MGM Grand Detroit

May 5, 2015
AutoEPCON
Troy Marriott

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