The 12th annual SPE Global TPO Conference

The 12th annual SPE Global TPO Conference is shaping up to be even better than last year’s conference. This is the twelfth year for what has become the world’s leading automotive olefins forum, attracting an audience of over 420 professionals from North America, Europe, South America and Asia. The technical program features 47 presentations over two and a half days and is strong on new developments and innovations. The Conference will be highlighted by four keynote presentations 1.) Greening the Blue oval: Ford’s Vision for a Sustainable Automotive Industry (Debbie Mielewski, Technical Leader Ford); 2.) Braskem, A Continued Commitment to the TPO Marketplace (Robert Nadin, VP Braskem); 3.) Bankruptcy and Consolidation in the Global Automotive Supply Industry (Dietmar Ostermann, Director PRTM); 4.) Feedstock Drivers and Their Impact on Automotive Plastics (Bryan Milton VP ExxonMobil). An executive Panel Discussion, always a highlight at the Conference, will address the “New Normal…” in the automotive and plastics industries.

The Conference’s two Platinum Sponsors, ExxonMobil Corp. and SABIC Innovative Plastics will host two networking receptions on Monday and Tuesday evenings. There are special new technical sessions on polypropylene compounding, olefin-based thermoplastic elastomers and thermoplastic vulcanizates (TPEs/TPVs) and thermoforming of olefins. There will be the traditional sessions on materials development, surface enhancements, process enhancements, and applications.

The conference begins Sunday evening, October 3rd as the SPE Detroit Section welcomes sponsors and exhibitors who are setting up their displays. A networking reception will be hosted from 6:30 – 8:00pm. The technical sessions of the conference begin Monday morning October 4th running through noon on Wednesday, October 6th. The location is the Best Western Sterling Inn in Sterling Heights. Mark your calendars, we hope to see you all at this year’s TPO Conference.
Welcome back to the SPE Detroit Section Trends and Topics Newsletter. I would like to thank everyone who attended our successful first technical dinner meeting on Monday, September 13, 2010. Our guest speaker, Mr. Joel Brown from Ford Motor Company, presented material details of the MKT single center console. Long glass polypropylene played a key role in its construction. There were many questions and an enthusiastic materials and assembly discussion following Joel’s presentation. A special thank you to Rose Ryntz and Susan Kozora from IAC as well as Ford Motor Company for making this meeting possible.

At the meeting Nippani Rao presented the SPE Outstanding Member Award to Bill Windscheif for his many years of dedicated service to the SPE Detroit Section and his involvement in the SPE Detroit Section TPO conference committee. INTEVA Products received the SPE Detroit Section Community Services award. Mr. Gerard Roose, Vice President Sales, accepted the award on behalf of INTEVA Products. The Community Services award is awarded to companies that have supported the SPE for at least 10 years through financial contributions and provide personnel to support SPE programs. Congratulations to Mr. Bill Windscheif and INTEVA Products for being recognized with these esteemed awards.

The SPE Detroit Section scholarship committee met during the later part of August. We awarded a total of $15,000 to science and engineering students studying polymer science from the University of Michigan, Ann Arbor campus; Kettering University; Macomb Community College; and Ferris State University. These students will be the future leaders in polymer science and engineering and the SPE Detroit Section takes pride in supporting their academic efforts.

Our theme for 2010 - 2011 is The Year of Materials Integration. To bring you advanced topics in this area we have partnered with the Society of Automotive Engineers and the American Iron and Steel Institute to bring to you a three part Tech-FAST. The first Tech-FAST is scheduled for Thursday, September 30 and will focus on automotive interior material integration. The second Tech-FAST will focus on automotive exteriors and is scheduled for Friday, October 1. The last Tech-FAST is scheduled for Thursday, October 21 and will focus on automotive powertrain. Each Tech-FAST will include keynote speakers who are experts in their field and panel discussions. This series will be located at the San Marino Club which is located at 1685 E. Big Beaver Rd., Troy, MI. Tickets are available on-line at www.sae-detroit.org or call the SAE Detroit Section office at (248) 324-4445.

Our premier event for the 2010 calendar year is the 12th annual SPE Detroit Section TPO Global Conference. This is an international conference with anticipated attendees from twenty countries and four continents. Participants will share in the latest technology in rigid and elastomeric TPO’s as well as TPE and TPV technologies. Highlights of the conference include technical papers from the world’s leading authorities of TPO’s, panel discussions, keynote speakers, networking receptions, and exhibits. The 12th annual SPE Detroit Section TPO conference is scheduled from October 4th through October 6th. A networking reception for sponsors and exhibitors will be on Sunday, October 3rd. The conference will be located at the Best Western Sterling Inn, Sterling Heights, MI. For more detailed information please visit www.auto-TPO.com or www.speautomotive.com/tpo.htm.

The 40th annual Innovation Awards Competition and Gala sponsored by the SPE Automotive Division is scheduled for Tuesday, November 9 at the Burton Manor, Livonia, Michigan. This annual event typically draws 600 - 800 OEM engineers, automotive and plastics industry executives, consultants, and media. Mark your calendars for this important automotive event.

Our Toys for Kids program is in need of 20 melt HDPE. As you know we mold miniature Plastivan toys and distribute them to needy children during the holiday season. Please contact Don Root (Uniplas) if you are interested in donating resin to this worthy cause. Plans for our major fund raising event, the Material Auction, are currently underway. This year Mr. Pete Grelle (Dow retired) will be chairperson for the event. We are looking for resin to auction with proceeds being used to benefit our education fund. Please contact Pete if you have resins that we can use for the auction. Our Newsletter Advertisement Sponsorship Committee chairperson Mr. Vineet Kapila from BASF Corporation is always seeking new sponsors for our Trends and Topics Newsletter. Please contact Vineet if you are interested in advertising in our newsletter. If you know of a colleague involved in the plastics industry who would like to have more information on the benefits of SPE membership please have them contact Mr. Bob Petrach. Please direct suggestions regarding future technical meeting topics to Rose Ryntz. For suggestions regarding the SPE Detroit Section please contact Gary Kogowski.

Our next SPE Detroit Section Board meeting is scheduled for Monday, November 1, 2010 from 5:30PM until 8:30PM at the American Chemistry Council, Troy, MI. If you are interested in volunteering your time to the SPE Detroit Section please consider this an open invitation to attend the meeting.

For information regarding the SPE Detroit Section or contact information please contact Pat Levine, SPE Detroit Section at (248) 244-8993.
October 27, 2010
Tech-Fast Exterior
November 1, 2010
BOD Dinner Meeting
November 30, 2010
Tech-Fast Powertrain
December 13, 2010
BOD Holiday Dinner
January 28, 2011
Material Auction
February 7, 2011
BOD Lunch Meeting
March, 2011
Technical Dinner Meeting
April 11, 2011
BOD Dinner Meeting
April 26, 2011
AutoEPCON
May 9, 2011
BOD Dinner Meeting
Attend the World’s Leading Automotive Olefins Forum

Learn How to Design Lighter, Less Costly Automotive Components

Since 1998, the Detroit Section of the Society of Plastics Engineers (SPE®) International has organized the SPE Automotive TPO Global Conference to help keep attendees up-to-date on the latest developments in thermoplastic olefins (TPOs). Now in its 12th year, the show has become the world’s leading automotive olefins forum. It regularly features over 40 technical presentations, panel discussions, keynote speakers, networking receptions, & exhibits highlighting advances in materials, processes, and applications technologies for this versatile polymer family, along with a growing range of thermoplastic elastomers (TPEs) and thermoplastic vulcanizates (TPVs).

This year’s show, which will be held October 3-6, 2010 in the Detroit area, will feature special sessions on Thermoforming, Polypropylene Compounds, and TPEs and TPVs to help OEMs and molders improve their competitive advantage in the global market.

Enjoy Exceptional Global Networking Opportunities

The SPE Automotive TPO Global Conference typically draws over 400 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 roughly 20% work for a tier integrator. Few conferences of any size can provide this type of networking opportunity with global leaders in materials, processing, and application development.

Olefins: Among the Most Versatile & Fastest Growing Polymer Families

For more than a decade, polyolefins have been the fastest growing segment of the global plastics industry. Their excellent cost / performance ratio have led to wide adaption in the automobile in applications ranging from semi-structural composite underbody shields and front-end modules to soft-touch interior skins and bumper fascia. In recent years, the olefin supply chain has experienced major restructuring, which is now providing both challenges and opportunities for OEMs and the entire supply community. Attending the SPE Automotive TPO Global Conference is an excellent way to keep up-to-date on this rapidly changing market and technology offerings.

To learn more about the show, see the latest conference updates, or to register, please visit www.auto-TPO.com or www.speautomotive.com/tpo.htm.
September 13th
SPE Technical Dinner Review

Travis Townsend, Chemical Engineering Major, Kettering University

On September 13th, the Sterling Inn hosted about 70 professionals, students and guests from Ford, Inteva, IAC, Sabic, A. Schulman and many other suppliers attended as the Society of Plastic Engineers Detroit Section hosted its September technical dinner. Professionals from the plastics industry convened to hear Joel Brown, the Body Interior Manager for Instrument Panels and Console at Ford Motor Company, speak on one of the most impressive automotive center console in production to date. This console is designed for the Lincoln MKT.

Production center console and the 2011 Lincoln MKT was on display the entire presentation. The console measured at almost 7 feet, is possibly the longest part of its kind. Primary material for this center console structure and class-A surface is long glass polypropylene. The console has a unique design and also features a built-in refrigerator for the third row passengers.

Mr. Brown discussed the material selection criteria, types of materials, processes evaluated to meet the part performance requirement. Joel discussed in detail the manufacturing challenges of executing the material selection for this new innovative product.

The new President, Mr. Gary Kogowski introduced the new BOD for the Detroit Section of the SPE as well as recognized Past President Ms. Sandra McClelland and the outstanding honored member Mr. Bill Windscheif for their dedication to the society and outstanding contribution to the plastic industry throughout the state.

SPE Detroit Section Scholarship Awards

Nippani Rao, Scholarship Chair

The Detroit Section is pleased to announce the winners of student scholarships for the year 2010.

The scholarship committee reviewed the applications for the scholarships and pleased to announce a total of $15,000 for 7 applicants. The winners are 3 from the University of Michigan, 2 from Kettering University and one each from Ferris State university and Macomb Community college.

The scholarship winners are:

From University of Michigan: Mark Peter, Eric Anderson and Ankur Shah
From Kettering University: Diane Brown and Travis Townsend.
From Ferris State University: John Konieczny
From Macomb Community College: John Kovalchuck
Students at ECOTEK Lab, a research facility in Detroit for young inventors and research scientists, have been investigating how bioplastic can be used to replace non-biodegradable materials in athletic shoes. The project kicked off on May 1, 2010 and is wrapping up this month (September 2010). The liaisons for this outreach effort included Thomas Miller and James Keeler.

The student scientists that were involved in the project included: Keith Young Jr., William Marshall, Jordan Massey, Aaron Harrigan, and Tendyia Pillow. The team was lead by Keith Young Sr., the founder of ECOTEK Lab. To build their knowledge about biomaterials, the students read Green Plastics: An Introduction to the New Science of Biodegradable Plastics written by E.S. Stevens.

As part of the project the team conducted field site visits to retail shoe companies (e.g. Foot Locker) to learn about what type of athletic shoes are on the market and what type of materials the shoes are made of. They also visited BASF’s Wyandotte plant to learn about the plastic manufacturing process. Other key activities within the project involved the team dissecting a pair of athletic shoes to better understand and identify the different components of athletic shoes and how they are manufactured.

Once the student scientists had built a basic foundation in bioplastics and an understanding of the athletic shoe industry, they turned their attention to making bioplastic and testing out different recipes. The team settled on a bioplastic mixture and used it to create a shoe insole. One of the best performing mixtures, which the team named “G-2” consisted of a balanced blend of glycerin, agar, gelatin and water. It received high marks in the following test areas: melting point, durability, absorption and elasticity.

Besides gaining some wonderful experience in doing hands-on research in the bioplastic space, the team went a step further in the project. They created a science kit called Bioplastic-in-a-Box which they hope, with the support of SPE, can be provided to students around the country to encourage young scientists and engineers to pursue green science as a career path.

This project was the first time that SPE-Detroit has sponsored a research activity with young scientists. The work done by the student scientists at ECOTEK Lab not only set a baseline for future project opportunities, it provides a solid a path for other SPE chapters to follow when looking at ways to engage student participation.
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Considerations for Materials Integration in Vehicle Development

Thursday, September 30
Part I: Interiors

Wednesday, October 27
Part II: Exteriors

Tuesday, November 30
Part III: Powertrain

Agenda:
7:00 - 7:45 a.m.
Networking and Breakfast

7:45 - 9:30 a.m.
Presentation and Q&A

Tickets:
$30 SAE/SPE/AISI member
$45 Non-member
$15 SAE/SPE/AISI student member

Order tickets online at www.sae-detroit.org
or call the Detroit Section office at (248) 324-4445
Considerations for Materials Integration in Vehicle Development

Reducing vehicle fuel consumption while maintaining a given level of vehicle performance is a challenge that today’s automakers and engineers are continually working to meet. In the past, this effort has often focused on developing newer, lightweight materials and technologies, or using known lightweight materials in new applications. While this has often produced a lighter overall vehicle weight, it has also resulted, in some cases, in higher costs. These costs can be due to the use of premium materials, problems during the manufacturing and assembly process, or instances where the performance of the lighter materials did not meet the customers’ requirements. Furthermore, consideration has not always been given to the effects of “mass compounding”, which occurs when a necessary increase in the mass (or weight) of one part or system drives a corresponding mass increase in other parts or systems. Consequently, these materials, manufacturing, and performance decisions have often resulted in limited success when trying to reduce vehicle weight.

As automakers continue to engineer, develop, and manufacture vehicles that achieve even greater levels of fuel economy via vehicle weight reduction, they will need to consider not only the selection and implementation of lighter materials, but also the integration of those materials and their impact on the performance of other vehicle systems and components. This can often produce a corresponding “mass decompounding” effect, which is the reverse of the earlier-mentioned phenomenon whereby a reduction in the mass of one part or system can enable mass reductions elsewhere in the vehicle. Successfully implementing such material integration strategies will result in a total vehicle weight reduction that is greater than what could be achieved simply by totaling up the weight savings of the individual parts themselves.

With these challenges and solutions in mind, SAE Detroit Section, together with Society of Plastics Engineers (SPE) Detroit Section and the American Iron and Steel Institute (AISI), is pleased to announce the Tech-Fast Series on Considerations for Materials Integration in Vehicle Development. The involvement and support of all three of these local professional organizations is recognition of not only the criticality of this engineering challenge, but also its multi-disciplinary and multi-functional nature. This will also be an excellent opportunity for members from all three organizations to network and share ideas with other engineering professionals in a different, yet related field.

Due to its complexity and breadth, this Tech-Fast topic is being covered in a series of three meetings. Each one of the meetings will focus on a different functional area of the vehicle and feature speakers who are subject matter experts for that area. Specifically, the next two meetings will consist of the following:

**Part II: Exteriors • Wednesday, October 27, 2010**
Moderator: Jay Baron, President, Center for Automotive Research
Panelists: Bruce Benda, Vice President Automotive Marketing, Bayer Material Science, Xavier Maury, Director of Engineering for North America and Asia, Plastics Omnium, Dr. Blake Zuidema, Director Automotive Applications, ArcelorMittal USA
Speaker TBD, OEM

**Part III: Powertrain • Tuesday, November 30, 2010**
Moderator: Brett Smith, Director Automotive Analysis Group, Center for Automotive Research
Panelists: Marianne Morgan, Powertrain Market Sector Leader, BASF Corporation, Jody Shaw, Manager of Technical Marketing and Product Research, United States Steel Corporation Brian Walker, Director of Business Development, AVL
Speaker TBD, OEM

The Tech-Fast Series will take place at the San Marino Club at 1685 E. Big Beaver in Troy. The networking session and breakfast will begin at 7:00 a.m., followed by the presentation and Q&A from 7:45 - 9:30 a.m. The cost, which includes a buffet breakfast, is $30 for SAE/SPE/AISI members, $45 for non-members, $15 for SAE/SPE/AISI student members, or a reserved table of six for $180. To make reservations, please visit [www.sae-detroit.org](http://www.sae-detroit.org) or call the SAE Detroit Section office at (248) 324-4445.

[www.SPEdetroit.com](http://www.SPEdetroit.com)
The SPE Industry Update delivers the news about today’s most relevant issues, gathered from sources like The Associated Press, The New York Times, Financial Times, and leading plastics industry publications, including Plastics Engineering.

Designed to be reflective of the diversity of SPE’s membership, the Update keeps you informed about topics that affect your projects, your company, and your career. It helps you stay current on what’s going on in the global plastics industry, about the latest news and trends in plastics, and about SPE happenings and highlights.

How To Use This Benefit:

As an SPE member, you will automatically receive the Update in your email inbox, provided we have an email address for you on file.

The subject line will be the issue date and “SPE Industry Update.” To ensure delivery, please unblock the subject line from your spam filter.

Do yourself a favor.

Think back on how you first became a member of SPE. Chances are, someone—a colleague, an employer, or a respected teacher—did you a favor by recommending SPE to you as the best source for the technical information, professional “know-how,” and the industry contacts you need to succeed.

Now, you can return that favor—and do yourself one at the same time!

We’re asking all members to introduce their colleagues, employees, and students to SPE membership through our 2009–2010 Member-Get-A-Member (MGM) campaign. For every paid member you recruit through MGM, you’ll receive your choice of valuable rewards—including up to one full year of SPE membership. And your Section and Division will receive $25 ($7 for students).

Make the Connection

It’s easy and it takes just a few minutes. You can personally invite your colleagues to join by sending them an email or providing them with a Member-Get-A-Member pre-approved application that includes your name and member ID.

You may want to keep these benefits of membership in mind when you are talking with your colleagues about SPE:

• You can’t know everything, but you can know someone who has the answer. You’ll have free access to a vast range of technical and industry information, education, and training resources, plus one-to-one contact with plastics professionals around the world who have “been there, done that,” and have the answers you need, right now.
  • The wider your professional network, the faster and easier it is to find a new job or recover from a job loss. The more people you know, the better position you are in to hear about job opportunities first and be known to potential employers. Being a part of your professional society also makes you stand out in the crowd—to potential employees and employers alike.
  • SPE is one of the best—and most affordable investments you can make in your career.

Every new member who joins SPE keeps the Society strong and growing, and allows us to continue to expand the resources and benefits available to all members. Every member’s input—your input—will have a measurable impact on the success of the MGM campaign.

Return the favor: introduce a new member to SPE today!

How To Use This Benefit: Visit our user friendly MGM webpages at www.4spe.org/member-get-member-campaign for recruitment ideas, tips, tools, and resources, including email copy with embedded program links, downloadable applications, and more.
The WONDER, the WISDOM, the WOW of The PlastiVan™ Program

The PlastiVan™ is a great way to WOW and excite young people about science and the vast opportunities the plastics industry has to offer. PlastiVans travel to schools and companies throughout North America, educating people of all ages about plastic’s chemistry, history, processing, manufacturing, sustainability and application. Easily integrated into school curricula, the PlastiVan mission is to provide sound science and educational programs which spark scientific curiosity in students while increasing their knowledge of the contribution plastics make to modern life.

Host a PlastiVan™ Visit

Hosting a PlastiVan visit to your school or workplace is easy! The following are desirable, but not essential:

- Science lab, classroom or presentation area that includes a grounded outlet, tables and chairs for students and a working sink.
- All programs should take place in the same location.

Sponsor a PlastiVan™ Visit

Plastics industry companies and other organizations are encouraged to introduce school children in their community to the marvels of plastics by sponsoring a visit from the PlastiVan. If the company chooses, time will be allotted for a company representative to address the students about their products, processes and career opportunities.

Sponsoring companies nurture the development of their future workforce by opening children’s minds to careers in sciences, engineering and the plastics industry. In addition, PlastiVan benefits the sponsoring company by increasing the company’s visibility in the community and often garnering local media coverage, changing the public’s perception of the industry, and positively affecting the lives and minds of young people. Plus, sponsorship of a PlastiVan visit is a tax-deductible donation to the school.

To get started, select one or more schools in your community that you would like to have the PlastiVan visit. Appoint a contact person at the company to handle all logistical details and offer the program to the school. Then contact the National Plastics Center regarding the availability of the PlastiVan in your area. The Center will schedule all PlastiVan visits with the school.
In your face!

Last month I talked about getting linked in to the SPE group on the LinkedIn networking website. This month I want to encourage you to add the SPE Facebook group to your favorites list. It’s easy to join these groups, and you can find a wealth of valuable information. Sign up for free memberships and receive email updates, look for job opportunities, ask questions, give answers, and enter into discussions related to all aspects of plastics.

You can find more about Facebook at their primary website at www.facebook.com. Or search for “Facebook” on your web browser. Or, best yet, click on the logo at the bottom of the Home Page on the SPE International website www.4SPE.org or at the bottom of future News Briefs and other SPE emails. How ever you get to Facebook, you will be pleased with the results.

This issue of Trends and Topics is “web only” and is not being printed and mailed. As usual, this and all issues will be on our SPE website www.SPEdetroit.com under “Newsletters.” News Briefs are eblasted only to Detroit Section members in good standing for whom good email addresses are on file. News Briefs are also archived on our website under “More Information.” An advantage of reading our communications on the web is that there are active hyperlinks to let you easily find information.

Please encourage your friends and associates to look at www.4SPE.org and www.SPEdetroit.com. There’s no charge to look, and there are event listings, calendars, newsletters, photos, information on scholarships, essays, awards, and even a membership application along with the benefits of membership. Then there is also a “Member Only” area that provides a complete roster of members and valuable reference materials.

If you have any comments or questions about any of the above, please contact Irv Poston at ieposton@juno.com or 248-646-9574. Let e-Communications get in your face to show you the many opportunities that are offered. It’s the best way to keep up with what’s going on.

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Welcome to August New Members:

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IV Consulting

Roger Gudobba
Dassault Systems

Andreas Kinzyk
Schuler Incorporated

David Kolasinski
Bulk Molding Compounds, Inc.

David Krueger
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Gary Kulhaner
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Greg McConouhhey
Lenzy Petty
Shape Corporation

Wendelin Schmidt
Dave Sheasley
L&L Products

Beth Talaga
Dow Chemical

Membership Summaries:

Detroit Section member total at the end of August was up to 728 (from 711) in July. We are still trailing Chicago that has grown to 770. SPE as a whole also was up July to August and now is at 14,387.

One of the unique benefits of SPE Detroit Section is that we are an Affiliate Society in ESD, Engineering Society of Detroit. There are ESD Affiliate Society benefits offered to SPE Detroit members:

- ESD offers favorable discounts on as ESD Group Homeowners and Auto Insurance programs which are available to SPE Detroit members.
- SPE Detroit members also receive discounted attendance at most ESD sponsored conferences and workshops.

In addition, Member Societies are eligible to present awards at the Gold Awards Banquet and nominate members for the Gold Award. One designated society representative will receive ESD's magazine and newsletter publication & access to the calendar section of the ESD web site to add their event information.

Articles may be submitted for publishing in the ESD Newsletter, Technology Calendar's section of Affiliate Society Information. The society will also be entitled to be represented on the Affiliate Council Committees of ESD provided the representative(s) are ESD members in good standing.

So as you review SPE member benefits and the Member Get a Member program, remember we also have even more to offer with our affiliation with ESD.

Sponsor Advertising Guides

We need sponsors for the Trends & Topics Newsletter! Ads can be accepted in the following formats:

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- Quark Express Files v6.5 or earlier : Collected for output, external graphic files at 150 dpi or higher

If any other formats are to be submitted, please contact Lorna or Jim at Maple Press, 248.733.9669, fax 248.733.9625, orders@maplepressllc.net to determine if your format can be used...

Please contact: Vineet Kapila at 734.324.5165 or Email: vineet.kapila@basf.com for space reservations

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Material Auction 2011

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If you have resin inventory to donate and could use a tax benefit please call or email Pete Grelle Email - bevcard70@aol.com, 248-788-7144.

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<td>Director Emeritus</td>
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<td>Nippani Rao</td>
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Committee Chairs for 2010–2011

| Advertising                    | Vineet Kapila   | BASF                     | 734/324-5165 | 734/239-2772 | vineet.kapila@basf.com      |
| Auto EPCON Chair               | Nippani Rao     | Rao Associates           | 248/444-1753 | 248/444-1753 | nippani_rao@aol.com        |
| Awards                        | Nippani Rao     | Rao Associates           | 248/444-1753 | 248/444-1753 | nippani_rao@aol.com        |
| Education Fund                | Tom Powers      | Consultant               | 248/877-0689 | 248/877-0689 | nippani_rao@aol.com        |
| House                         | Sassan Tarahomi | IAC International        | 313/240-3837 | 313/240-3837 | starahomi@iacna.com        |
| Internsity                    | Wayne Hertlein  | Dow (Retired)            | 248/788-7144 | 248/788-7144 | starahomi@iacna.com        |
| Material Auction              | Pete Grelle     | Dow (Retired)            | 248/788-7144 | 248/788-7144 | starahomi@iacna.com        |
| Membership                    | Bob Petrach     | Safety Technology Int'l, Inc. | 248/618-6809 | 248/618-6809 | robertpetrach@aol.com      |
| Newsletter                    | Tom Powers      | Consultant               | 248/877-0689 | 248/877-0689 | nippani_rao@aol.com        |
| Nominations/ Elections        | Sandra McClelland | Chevron Phillips Chemical | 586/264-0063 | 586/264-0063 | nippani_rao@aol.com        |
| Plastivan & Essay             | Nippani Rao     | Rao Associates           | 248/444-1753 | 248/444-1753 | nippani_rao@aol.com        |
| Program                       | Tom Miller      | BASF                     | 586/291-5289 | 586/291-5289 | thomas.miller@basf.com     |
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| Technical Programs            | Jim Keeler      | A. Schulman, Inc.        | 248/408-5091 | 248/408-5091 | james_keeler@us.aschulman.com |
| TPO Conference Chair          | Norm Kakarala   | Inteva Products          | 248/655-8483 | 248/655-8483 | nkakarala@intevaproducts.com |
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Board of Directors

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