

# Polymer Valley News

The Newsletter of the Akron Section of the Society of Plastics Engineers  
Our 54<sup>th</sup> Year of Education and Service to the Plastics Industry

## Newsletter Contents

Meeting Announcement	1
Meeting Schedule, Cost	1
President's Message	2
Speaker Biography	3
Meeting Program and Map	3
TopCon 2012 Rotational Mldg	4
Advertiser Index	5
Join the Board	5
Akron SPE Past Presidents	5
Technical Questions on Plastics	6
Join the Education Foundation	6
Board Meeting Minutes	7
TopCon 2012 Information	8
Program for 2011/2012	8
New Directions Initiative	9
Board Meeting Dates	9
Akron Section Board Members	10
PolymerOhio Internships	10
SPE Educational Foundation	11
Who Can Help You at SPE	12
Member Benefits Guide	14
Insertion Order form – 2011/12	16
SPE Membership Application	17

## Costs, Schedules, Reservations

Member and/or guest	\$25.00
Retired	\$25.00
Student	\$20.00

Cash Bar	5:30 p.m.
Buffet Dinner	6:00 p.m.
Program	6:45 p.m.

Reservations must be in by noon on Friday, Mar. 9 and can be made to Gary Casterline at [gcasterline@gmail.com](mailto:gcasterline@gmail.com) or 330-240-2543

## Technical Meeting

**Monday, March 12, 2012**

**5:30 p.m.**

## Joint Meeting with Cleveland Section

## Harry's Steakhouse

5664 Brecksville Road  
Independence, Ohio 44131

### Liquid Silicone Rubber (LSR) Molding - Necessary Components and Growing Market Segments

By Robert Pelletier  
Vice President of  
Sales & Marketing  
Fluid Automation, Inc.



The topics covered in this presentation will be a general overview of the Liquid Silicone Process from general chemistry, market segments, plastics vs. LSR and examples of parts made using LSR. Additional items that can be discussed could be the necessary equipment for LSR production, additives such as color, anti-microbials and radiopaques.

See page 3 for  
Mr. Pelletier's biography

**Coming Up:**

➤ Board meeting – Mar. 12, 5:00 p.m.,  
Harry's Steakhouse

Mar. 2012, Page 1



## Engineering Impact - A Real Life Situation

We have just completed an exciting E-week, "Engineering Week", that has taken place on a yearly basis over the past 60 years and, since there seems to be so much press on STEM, it appears to be very timely. The National Engineers Week Foundation is a formal coalition of more than 100 professional societies, major corporations and government agencies dedicated to ensuring a diverse and well- educated future engineering workforce by increasing understanding and interest in engineering and technology careers among young students, and by promoting pre-college literacy in math and science. This year's host ASME, American Society of Mechanical Engineers, reports they have hosted Teacher Workshops for over 15 years and bring hands-on engineering activities to K-12 classrooms. They also bring teachers and engineers together. This celebration focuses from the "grassroots level" and further amplifies the initiative of local engineering groups and societies to gather resources and connect with educators. This helps to develop a skilled workforce through strengthening K-12 STEM education and supporting educators around the globe.

In addition, the Akron/Cleveland Sections also just completed a joint meeting with ACESS, our local society of Akron Council of Engineering and Scientific Societies where we have the proof of the rebirth of new technologies coming from educated students from a very recent time frame. The meeting and discussion that followed dealt with New Technology in the New Economy and highlighted three speakers from relatively new start-ups in the Akron/Cleveland NEO corridor. They included: Akron Polymer Systems, now located in a new facility in downtown Akron. They discussed "From Lab to Laptop: A Story About Commercialization of University Based Material Technologies". This involved the development of new high performance polymers for aerospace, biomedical, alternative energy and information displays. Alpha Micron discussed "Liquid Crystals on Flexible Substrates". They are located in new facility in Kent, OH. They discussed the development of very high tech special films for unique applications used in glasses by the Department of Defense, and the sporting goods world. The last topic, from AISher Titania was, "NanoMaterials--BIG Results". AISher Titania is located in a new facility in Cleveland. They recently relocated from the western U.S. They discussed uses of nano-sized titanium dioxide for industrial applications, including coatings. This forum served to highlight new business born of new technological research and focused on business that literally sprung to life in the NEO corridor over the past 5-7 years, with a large percentage of that being from technology transfer from local universities, Akron and Kent, and associated programs.

With the above noted E-Week and ACESS meetings, the seed was planted early on in ones school life, and career, and the technology wizard students were born. And, now in the past 5-10 years they have fully blossomed. This is a relatively short time frame as the new technology boom is just underway, in less than 10-12 years. It is reported by Intel that they have two major premier programs that kindle that kind of analytical know-how. *First Robotics* motivates the young minds in grade school through middle school and then the *Math, STEM, and Engineering Scholarships* helps the high school student progress. Intel has recently informed that they will double the number of engineering scholarships for 2012 in accordance with the Presidential Jobs Council Initiative. They further inform that parents help is needed to aid in the promotion of engineering at all levels. The reality of engineering has been noted as the high point of the student's interest in surveys that have been taken over past years. The students noted that engineering can be described as "application of theory from a textbook".

*Continued ...*



## President's Message

From page 2...

The Celebration for E-Week goes on further to state that this reflects the critical role the engineers are destined to play in shaping the world of tomorrow. They have recently chosen a group of the top 15 college engineering students based on research in a number of engineering areas including polymers. Intel, during a recent news release, informs that *Exposure to Engineering Doubles Teens' Career Interest* where job variety, earning power, and impact they could have on the world are of top interest to them as they start college. The critical time as it has been stated in the past is in the high school time frame. They echoed the interest of the importance to offer teens "real world", hands-on engineering experience and paramount to have interaction with engineers.

NOW is the time to seize the opportunity to jump in and get involved with SPE, Society of Plastics Engineers. You can help by bringing your engineering talents to the forefront in the local area and GET INVOLVED in the big picture for the future!!

David Schultz  
SPE Akron Section President

***P.S. Please remember to keep your membership information current on line – when changing employers, email address, street address, etc. – so you are sure to receive all SPE-related information in a timely manner.***



## Robert Pelletier Biography of Speaker

Vice President of Sales & Marketing  
Fluid Automation, Inc.

Mr. Pelletier received a BBA from Western Michigan University and an AS in Science from Schoolcraft College. He has worked in the LSR & RTV industry for 19 years. Although his main focus is sales and marketing, he also writes service manuals and literature. His knowledge of the systems is largely based on his hands-on approach and he conducts many of the training, installation and technical seminars.



Mr. Pelletier is married and has two boys and a daughter and enjoys being a Baseball Coach and Den Leader in his time off.

## Map to Harry's Steakhouse 5664 Brecksville Road Independence, Ohio 44131

You may zoom in





Rotational Molding Division

**TopCon 2012**



*Rotational Molding Technology*

*for Today and Tomorrow*



**The Holiday Inn Conference Center  
Independence, Ohio  
(Cleveland, South)**

**May 6th – 9th, 2012**

*“Learn Today, Lead Tomorrow”*

*Join us in Cleveland for our 2012 Rotational Molding Topical Conference.*

**Presentations include:**

- *Design*
- *Marketing/Business*
- *Materials*
- *Processing*

**Plant Tour  
Social Networking  
Table-Top Displays  
Raffles  
and much more!**

For more information please  
contact Bruce Muller at  
[PlasticsC@aol.com](mailto:PlasticsC@aol.com)

Or visit us on the web at  
[www.rotationalmolding.net](http://www.rotationalmolding.net)

## Advertiser Index

Polysort

6

*Picture your ad here .....*

*And also on our updated web site:*

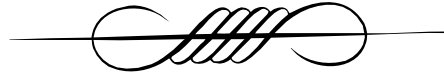
[www.akronspe.org](http://www.akronspe.org)

**The Akron Section is in  
need of New Board Members  
as this year continues.  
Please consider becoming a  
Board Member to help  
support your Section.  
Contact anyone currently  
on the board (see page 10)  
if you are interested.**

**Thank You!**

## Akron Section SPE Past Presidents

*52 years of  
excellence*



1959-1960	Donald F. Siddall	1986-1987	Harry J. Barth
1960-1961	Milan Krajcik	1987-1988	Judith A. Fallon
1961-1962	Foster J. Young	1988-1989	William E. Tosko
1962-1963	Dickson L. Stoker, III	1989-1990	Robert C. Wegelin
1963-1964	Edward L. Hillier	1990-1991	Geraldine R. Stromquist
1964-1965	John R. Russell	1991-1992	Spencer Kreiser
1965-1966	John R. Russell	1992-1993	Robert C. Wegelin
1966-1967	Clyde H. Jones	1993-1994	Anthony F. Dean, Jr.
1967-1968	Alan Corry, Jr.	1994-1995	Wayne Decamp
1968-1969	Bernard M. Saffian	1995-1996	Melanie Stewart
1969-1970	Harold R. Schick	1996-1997	Kevin Hershfield
1970-1971	Robert G. Hills	1997-1998	David Schultz
1971-1972	John J. Satterfield	1998-1999	John Raab
1972-1973	Alexis M. Gross	1999-2000	Gary Taylor
1973-1974	Francis J. Maurer	2000-2001	Kevin Malpass
1974-1975	Leverett A. Anderson, Jr.	2001-2002	Kenneth L. Sharp
1975-1976	Robert M. Hershey	2002-2003	Joseph E. Pfeiffer
1976-1977	Richard L. Fleshman	2003-2004	Robert C. Wegelin
1977-1978	David Curtis	2004-2005	Joseph Mattingly
1978-1979	John A. Zelek, Jr.	2005-2006	Lloyd A. Goettler
1979-1980	Gerald W. Whitnoble	2006-2007	John Woodside
1980-1981	Kathleen N. Bechter	2007-2008	Vivian Malpass
1981-1982	Victor E. Giuffrida	2008-2009	Joseph Mattingly
1982-1983	James Steiner	2009-2010	David A. Katz
1983-1984	Robert G. Hills	2010-2011	Lloyd A. Goettler
1984-1985	Anthony F. Dean, Jr.	2011-2012	David Schultz
1985-1986	Gene Buser		



## Technical Assistance Initiated On Akron SPE Web Site

*Do you have a technical question on plastics, polymers, rubbers, etc. Our web site now has a place where you can detail your question and the Akron SPE Board will use their collective knowledge and resources to answer your questions. Check it out at <http://akronspe.org/contact/>. If you post a question we will post it in the following newsletter along with the answer.*

Please join in...

**We are in need of a few new members for the Education Foundation.**

## Membership Report

SPE national has upgraded their web site and by default the monthly members reporting for sections has been impacted. Until SPE national reporting is fixed, I will not provide membership reporting. SPE indicated they were aware of this issue and were trying to correct, but it may take some time.

*Membership chair, Reza Sadeghi*



**When it comes to Google,  
is your company web site  
a no show?**

**Contact Polysort for assistance with your site's  
search engine placement:**

- Search engine optimization
- Web site design/redesign
- Internet marketing

**Tel. 800-326-8666 ext. 2104  
[www.polysort.com](http://www.polysort.com)**

**POLYSORT**  
The power of many.



# Minutes of Board Meeting February 13, 2012

**Call to Order:** 5:00 pm at Harry's Steakhouse

**Note - Limited attendance** - Notes below in italics different from Jan 2012 Minutes- DRS President for Secretary-Present-\*\*

1) David Schultz added notes

**Absent:** Lloyd Goettler, Sadhan Jana, Kevin Malpass, Reza Sadeghi, Joey Yang, Andrew Shinko, Kevin Cavvichi, Joey Yang, Mark Holtman, Gary Taylor, Nicole Brostowitz, Joe Mattingly, Dan Jones and Tony Dean (scribe)

**Acceptance/Revision of Agenda:** Agenda for the meeting was accepted and approved. Minutes from January 9, 2012 were reviewed.

*We did discuss the May meeting possibilities--Awards Night or Aeros Tour and Picnic. Confirmed Aeros Tour, Picnic and Game.*

*Also we discussed the need for more member participation in the SPE Program Committee and the Education Foundation Committee. May need some assignments here.*

*Corporate Outreach Program moving to the next step which is to contact the 10 companies to pursue arranging visits through the contact person identified. Then we can see which companies we should visit or contact in some other manner.*

*I also took the opportunity to ask the Cleveland BOD if they were pleased with our present arrangement of joint meetings--they unanimously said they were pleased to continue with this arrangement.*

*KEY item for Akron Section*

*TOPCON status, we now have 34 abstracts and PolyOne will be our Gold Sponsor. Other companies such as ExxonMobil and RTP are showing interest in being a sponsor or exhibitor.*

Meeting adjourned at 5:30 pm. **Next board meeting will be at 5:00 pm on March 12 at Harry's Steak House.**



## 2012 TPE TOPCON

Planning for the September 10-12 2012 TPE TOPCON is well underway. We now have over 30 paper abstracts which have to be reviewed by the TPE SIG and plan to have the two-day Technical Program organized into separate sessions and finalized by the end of February. We will then complete the Advanced Program and Registration brochure to be sent out to selected US SPE Section and TPE SIG members by mid-March. In addition we will be e-mailing the Advanced Brochure to Canadian and other non-US SPE members in Europe, India and Asia. To help reach our goal of a minimum of 240 attendees, Plastics Engineering will feature a full page advertisement on the TOPCON Technical and Conference program in April and July and SPE will send out e-mail blasts on the TOPCON in March, June and August.

We are also aiming for 30 exhibitors and a number of sponsors for the TOPCON. These will include a Gold and Premier sponsor and sponsors for the Monday night Welcome Mixer, Tuesday night Reception and coffee breaks. All sponsors will be well recognized for their contribution to the TOPCON. The exhibits will open at the same time as the Mixer on the Monday evening and be open during the conference. As before, a Poster Session is planned which will feature the latest research on polymer topics by students at the University of Akron .

If you are in the TPE business or wish to learn more about this important and growing class of elastomeric materials, please consider attending and being a sponsor or exhibitor or both, and above all help to promote the 2012 TPE TOPCON to associates in your company.

Thanks for your help. Let's make the 2012 TPE TOPCON a great success.

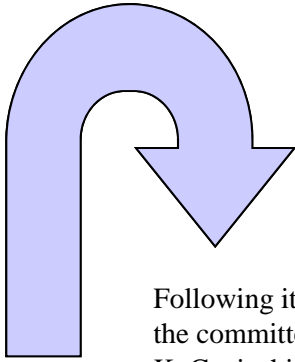
Sincerely, Viv Malpass, Akron Section General Chairman

## Programs for 2011 / 2012

Sept. 12	<b>Bill Carteaux, President and CEO of SPI - SPI and ANTEC Forum</b> <i>-- With Cleveland Section at Harry's Steakhouse</i>	Feb. 13	<b>Ranger Automation Systems, John Campbell, In-Mold Decorating Solutions</b> for Custom Molders <i>-- With Cleveland Section at Harry's Steakhouse</i>
Oct. 17	<b>Mini Tech – Nanotechnology Developments and Commercialization Activities in Ohio *</b> <i>-- With Cleveland Section at Martin Center, Akron</i>	Mar. 12	<b>Fluid Automation, Bob Pelletier, Liquid Silicone Rubber Molding - Necessary Components and Growing Market Segments</b> <i>-- With Cleveland Section at Harry's Steakhouse</i>
Nov. 3 (Thurs.)	<b>Awards Night</b> Joint with ACCESS <i>-- Guy's Party Centre</i>	Apr. 16	<b>Flexible Electronics</b> Xiong Gong, Univ of Akron - Polymer Engineering <i>-- With Cleveland Section at Martin Center, Akron</i>
Dec. 12	<b>Christmas Gathering</b> <i>-- With Cleveland Section at Martin Center, Akron</i>	May 7	<b>Aeros Park - Dinner and Meeting</b>
Jan. 16	<b>Akron Polymer Systems</b> Matt Graham, VP Business Dev. <i>-- With Cleveland Section at Guy's Party Centre</i>		



## *New Directions Initiative*



An initiative has been undertaken to develop a set of new directions for the SPE Akron Section with the objectives of revitalization and operational efficiency. Elements to be addressed include technical program focus, section functioning, member involvements, inter-society interactions, meeting venues and liaisons with our local educational institutions.

Following its authorization by the Board of Directors at their June 2009 meeting, the committee comprising R. Sadeghi, S. Jana, V. Malpass, K. Malpass, K. Cavicchi, M. Holtman and L. Goettler (chair) has met to generate program concepts for the upcoming year around developing technologies of local interest that involve both R&D and commercialization and are of general societal interest. Thrust areas have been identified as energy, biomaterials, medical/health applications of polymers and environmental concerns. Some program subjects being considered are medical plastic applications, e.g. implants, fuel cells, applications of nanofibers, biopolymers, alternate energy sources, water purification e.g. via desalination, photovoltaics, flexible displays, and the general process of technology transfer from lab to marketplace.

Please input your preferences and other ideas to us via the SPE website to insure that our programs are meeting your needs and interests.

### **Board Meeting Schedule – Tentative**

Aug 30	Tuesday PEAC - University of Akron
Sept 12	Monday Harry Steakhouse - 4PM - Cleve Meeting for review for MiniTech
Oct 24	Monday - PEAC
Nov	Not planned
Dec	Conf call in
Jan 9	PEAC
Feb	Not planned
March 12	Monday - Harry's Steakhouse- 4PM
April	Not planned - Depending on Golf Outing/Awards Banquet planning dependent on ACCESS Awards Meeting ??
May	Not planned
June	Wrap up

Please be prepared to provide detail BOD and Committee Reports to Secretary - Reza and President - David for review 3 to 4 days prior to each meeting. Please also let Secretary and President know if you can attend. Thanks for all your help!!



## Akron Section Board of Directors

Dave Schultz 330-798-6535 T  
*Harwick Standard Dist. Corp.* 330-798-9328 F  
 President/Chair schultzd@harwickstandard.com

Kevin Malpass 330-490-4743 T  
*Diebold, Inc.* 330-490-4788 F  
 President/Chair-elect kevin.malpass@diebold.com

Reza Sadeghi 330-630-7108 T  
*A. Schulman* 330-630-3349 F  
 Secretary, Membership reza\_sadeghi@aschulman.com

Gary Taylor 330-761-5836 T  
*Myers-Wadsworth* 330-334-7100 F  
 Treasurer gtaylor@akro-mils.com

Joe Mattingly 330-962 5299 T  
*Goodyear Tire & Rubber Co.* 330-896-7379 F  
 Councilor joe@mattingly.us

Lloyd Goettler 330-666-5180 T  
*Retired* goet30@aol.com  
 Past-President

David Katz 330-310-0156 T  
 Prior Past-President katzjeep@yahoo.com

Nicole Brostowitz 262-492-2044 T  
*Student - U Akron Polymer Engineering* 330-258-2339 F  
 Director, Student Chapter President nrb37@zips.uakron.edu

Bob Wegelin 330-414-1498 T  
*Retired* robert.wegelin@sbcglobal.net  
 Director, Education Foundation

Sadhan Jana 330-972-8293 T  
*U Akron Polymer Engineering* 330-258-2339 F  
 Director, Student Chapter Advisor janas@uakron.edu

Tony Dean 330-929-9916 T  
*Retired – Director, Public Interest,* francis@neo.rr.com  
 Website Manager, Newsletter Editor/Advertising

Kevin Cavicchi 330-972-8368 T  
*U Akron Polymer Engineering* 330-258-2339 F  
 Director, Awards, Education kac58@uakron.edu

Mark Holtman 330-972-6008 T  
*U Akron Polymer Engineering* 330-258-2339 F  
 Director, House holtman@uakron.edu

Vivian Malpass 330-342-1120 T  
*Tek-Mark International* 330-342-1134 F  
 Director, Conf., TopCon 2012 vivian.malpass@tek-mark.com

Zhiyi "Joey" Yang 440-937-6218 T  
*Advanced Polymer Coatings* 440-937-5046 F  
 Director zyang@adv-polymer.com

Andrew Shinko 419-545-3465 T  
*Student - U Akron Polymer Engineering* 330-258-2339 F  
 Director aps8@zips.uakron.edu

Dan Jones 330-796-4712 T  
*Lockheed Martin* 330-796-9899 F  
 Technical Program daniel.h.jones@lmco.com

Jenny Digiantonio 330-849-5166 T  
*ExxonMobil Chemical* 330-849-5599 F  
 Newsletter jenny.digiantonio@exxonmobil.com

## PolymerOhio Internships

The Third Frontier Internship Program links Ohio students with rewarding internship opportunities that provide hands-on experience within Ohio's private-sector business community. The goal is to build a young talented workforce for the future and assist students in gaining valuable work experience that can lead to permanent full-time employment in Ohio after graduation.

**The program will reimburse 50% of each intern's wage up to \$3000 for a 12 month period.** Following an intern's graduation, your firm will have the opportunity to offer full-time employment to an individual who is well prepared for a future career with your organization.

Internships may be full-time or part-time at anytime during the year.

The Internship Program is looking for participating businesses that can provide one or more of the following types of internships:

*Advanced manufacturing  
 Information technology*

*Advanced materials  
 Instruments, controls and electronics*

*Bioscience  
 Power and propulsion*

For more information please go to [www.polymerohio.org](http://www.polymerohio.org). Roll your mouse over to "careers" in the top menu line to reach the link to the Polymer Ohio Internship Program page. If you are a company or a student, follow the procedures to register at [www.ohio3fip.com](http://www.ohio3fip.com).

For more information or assistance, call Rich Markham at 614-477-1133 or write to [rmarkham@polymerohio.org](mailto:rmarkham@polymerohio.org).



# Akron Section Society of Plastics Engineers Educational Foundation



1-10

The Akron Society of Plastics Engineers Educational Foundation operates exclusively for the benefit of and to carry out the purposes of the Akron Section of the Society of Plastics Engineers, which is to promote scientific and engineering knowledge relating to plastics by making educational scholarship grants to deserving students in the field of plastics engineering and related subjects. The Organization is supported primarily by contributions from the Akron Society of Plastics Engineers, the Society's individual members and corporations like yours affiliated with the polymer industry.

Since the inception in 1988, the Akron Society of Plastics Engineers Educational Foundation has grown to its current position through the hard work of many volunteers and the generosity of the local business community. Over the twelve years that the foundation has been in existence, it has provided scholarships to over 210 young men and women totaling in excess of \$275,000 to assist them in furthering their careers in the polymer industry.

Our goal is to continue to grow the assets of the Foundation in order to increase the number of scholarships awarded, as well as the size of the awards, and to do so in perpetuity. In doing this, we hope to be able to contribute to the supply of well-trained individuals to support the growth of the polymer industry in the Northeast Ohio area today and well into the future.

When the Foundation began its fund raising activities in 1988, we offered those companies who contributed \$30,000 a scholarship in their name. To date we have five named scholarships, *Newell/Rubbermaid*, *Goodyear*, *Omnova*, *Ken Sharp Memorial* and *Jim Steiner Memorial* scholarships. We are asking your company to help with the growth of well-trained individuals in the local polymer industry. Please print this page, fill out the information and mail it to Bob Wegelin, 13206 Kaufman Ave. NW, Hartville, OH 44632.

## Akron SPE Scholarship Donation Commitment

\$30,000 lump sum. \_\_\_\_\_

\$10,000/yr. next 3yrs. \_\_\_\_\_

\$5,000/yr. next 6 yrs. \_\_\_\_\_

Other: \_\_\_\_\_

Company name: \_\_\_\_\_

Contact person: \_\_\_\_\_

Ph. # or email: \_\_\_\_\_

Our named scholarship donors are recognized at the annual Awards Night of the Akron Society of Plastics Engineers. We invite you to present your donation at our Awards Night, which is scheduled in May.

We are looking forward to your support of this very worthwhile cause by your fine company. Please contact me at (330) 414-1498 with any questions. Thank you for your consideration.

Sincerely,

Bob Wegelin, Chairman

Akron Section Society of Plastics Engineers, Educational Foundation





## Who Can Help You Society of Plastics Engineers

13 Church Hill Road, Newtown, CT 06470

Phone: +1 203-775-0471

[www.4spe.org](http://www.4spe.org)

Annual Awards	Gail Bristol	+1 203-740-5447	<a href="mailto:grbristol@4spe.org">grbristol@4spe.org</a>
ANTEC booth sales	Lesley Kyle	+1 203-740-5452	<a href="mailto:lskyle@4spe.org">lskyle@4spe.org</a>
ANTEC Conference Management	Lesley Kyle	+1 203-740-5452	<a href="mailto:lskyle@4spe.org">lskyle@4spe.org</a>
ANTEC paper submission	Lesley Kyle	+1 203-740-5452	<a href="mailto:lskyle@4spe.org">lskyle@4spe.org</a>
Book orders	Customer Relations	+1 203-775-0471	<a href="mailto:membership@4spe.org">membership@4spe.org</a>
Change of address	Customer Relations	+1 203-775-0471	<a href="mailto:membership@4spe.org">membership@4spe.org</a>
Communications Excellence Award	Gail Bristol	+1 203-740-5447	<a href="mailto:grbristol@4spe.org">grbristol@4spe.org</a>
Conference Registration	Customer Relations	+1 203-775-0471	<a href="mailto:membership@4spe.org">membership@4spe.org</a>
Corporate Affiliate Program	Susan Oderwald	+1 203-740-5471	<a href="mailto:seoderwald@4spe.org">seoderwald@4spe.org</a>
Council Liaison	Marie Salzo	+1 203-740-5422	<a href="mailto:mcsalzo@4spe.org">mcsalzo@4spe.org</a>
Dues billing & payments	Customer Relations	+1 203-775-0471	<a href="mailto:membership@4spe.org">membership@4spe.org</a>
Employment Advertising	Ruth Carpenter	+1 203-740-5404	<a href="mailto:recarpenter@4spe.org">recarpenter@4spe.org</a>
Fellow & Honored Service Awards	Marie Salzo	+1 203-740-5422	<a href="mailto:mcsalzo@4spe.org">mcsalzo@4spe.org</a>
Membership processing/questions	Customer Relations	+1 203-775-0471	<a href="mailto:membership@4spe.org">membership@4spe.org</a>
Membership programs/retention	Tobi Gebauer	+1 203-740-5457	<a href="mailto:tgebauer@4spe.org">tgebauer@4spe.org</a>
Pinnacle Award	Tricia McKnight	+1 203-740-5430	<a href="mailto:tmcknight@4spe.org">tmcknight@4spe.org</a>
<i>Plastics Engineering</i> magazine advertising	Marie Russo	+1 203-405-1847	<a href="mailto:marusso@wiley.com">marusso@wiley.com</a>
Section & Division investment program	Dawn Roman-Weide	+1 203-740-5414	<a href="mailto:dromanweide@4spe.org">dromanweide@4spe.org</a>
Sections, Divisions & Special Interest Group Administration	Tricia McKnight	+1 203-740-5430	<a href="mailto:tmcknight@4spe.org">tmcknight@4spe.org</a>
Seminar program & in-plant training	Lesley Kyle	+1 203-740-5452	<a href="mailto:lskyle@4spe.org">lskyle@4spe.org</a>
Seminar registration	Customer Relations	+1 203-775-0471	<a href="mailto:membership@4spe.org">membership@4spe.org</a>
SPE Foundation / Scholarships & Grants	Gail Bristol	+1 203-740-5447	<a href="mailto:grbristol@4spe.org">grbristol@4spe.org</a>
SPE Industry Resource Guide	Ruth Carpenter	+1 203-740-5404	<a href="mailto:recarpenter@4spe.org">recarpenter@4spe.org</a>

SPE Online Encyclopedia	Tom Conklin	+1 203-740-5453	<a href="mailto:tconklin@4spe.org">tconklin@4spe.org</a>
Student Chapters	Tricia McKnight	+1 203-740-5430	<a href="mailto:tmcknight@4spe.org">tmcknight@4spe.org</a>
Submission of Article for <i>Plastics Engineer</i>	Danny Domoff	+1 203-740-5429	<a href="mailto:djdomoff@4spe.org">djdomoff@4spe.org</a>
Topical conference planning	Lesley Kyle	+1 203-740-5452	<a href="mailto:lskyle@4spe.org">lskyle@4spe.org</a>
Topical conference registration	Customer Relations	+1 203-775-0471	<a href="mailto:membership@4spe.org">membership@4spe.org</a>
Webinars (non-registration)	Elizabeth Reagan	+1 203-253-1368	<a href="mailto:ereagan@4spe.org">ereagan@4spe.org</a>
Webinar registration	Customer Relations	+1 203-775-0471	<a href="mailto:membership@4spe.org">membership@4spe.org</a>
Website	Tom Conklin	+1 203-740-5453	<a href="mailto:tconklin@4spe.org">tconklin@4spe.org</a>
Writing articles for SPE PRO	Tom Conklin	+1 203-740-5453	<a href="mailto:tconklin@4spe.org">tconklin@4spe.org</a>

# SPE MEMBER BENEFITS GUIDE



FREE TO MEMBERS

	BENEFIT	DESCRIPTION	WEBSITE LINK
NETWORKING	Business Networking Resources	Connect to industry experts	<a href="http://www.4spe.org/cc">www.4spe.org/cc</a>
	Local Section Affiliation	Network with members locally in over 75 countries	<a href="http://www.4spe.org/communities/sections">www.4spe.org/communities/sections</a>
	Online Membership Directory	Unlimited access provides the link to fellow members	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>
	Technical Affiliation	24 Divisions represent major industry specialties	<a href="http://www.4spe.org/communities/divisions">www.4spe.org/communities/divisions</a>
MEDIA	Newsletters	News & events about specific local & technical affiliations	<a href="http://www.4spe.org/communities/newsletters">www.4spe.org/communities/newsletters</a>
	<i>Plastics Engineering (PE)</i>	The official monthly publication of SPE	<a href="http://www.4spe.org/pub">www.4spe.org/pub</a>
	SPE Online	Your 24/7 source for Society information	<a href="http://www.4spe.org">www.4spe.org</a>
	Tech Focus	Monthly electronic newsletter offering society & industry news	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>
TECHNICAL	Online Technical Library	Searchable database of technical articles & conference papers	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>
	Message Forums	Online question & answer forum	<a href="http://www.askpip.com">www.askpip.com</a>
	Special Interest Groups	Emerging areas not currently covered by technical Divisions	<a href="http://www.4spe.org/communities/divisions/#sig">www.4spe.org/communities/divisions/#sig</a>
	SPE Journals	Read abstracts from our three technical journals	<a href="http://www.4spe.org/pub/journal">www.4spe.org/pub/journal</a>
CAREER	American Management Association	Through a partner alliance, access AMA's educational resources	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>
	Awards	Outstanding contributions recognized	<a href="http://www.4spe.org/awards">www.4spe.org/awards</a>
	Leadership Development	The opportunity to improve professionally & personally	<a href="http://www.4spe.org/communities/leadership">www.4spe.org/communities/leadership</a>
	Online Career Development	Career enrichment, job openings & resume database	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>
	Professional Recognition	Distinguished grades of membership recognize accomplishments	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>
	Scholarships & Grants	Awarded by The SPE Foundation	<a href="http://www.4spe.org/foundation">www.4spe.org/foundation</a>
	Student Benefits	Over 100 Student Chapters in nine countries	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>
	Unemployment Services	Benefits for the unemployed member	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>

SAVINGS TO MEMBERS

	BENEFIT	DESCRIPTION	WEBSITE LINK
TRAINING	ANTEC	Largest annual technical conference in the industry	<a href="http://www.antec.ws">www.antec.ws</a>
	Career Coaching	For-a-fee services for career enhancement	<a href="http://www.4careersolutions.org">www.4careersolutions.org</a>
	e-Learning Center	Online self-paced courses, live & archived presentations	<a href="http://www.4spe.org/elearning">www.4spe.org/elearning</a>
	In-plant Training	Seminar instruction at member's company	<a href="http://www.4spe.org/training/seminars">www.4spe.org/training/seminars</a>
	Seminars	Expert instruction on current plastics topics	<a href="http://www.4spe.org/training/seminars">www.4spe.org/training/seminars</a>
	Technical Journals	Subscribe to peer-reviewed articles. Available online and in print	<a href="http://www.4spe.org/pub">www.4spe.org/pub</a>
	Topical Conferences	Targeted at specific technical & management disciplines	<a href="http://www.4spe.org/conf">www.4spe.org/conf</a>
	Training Products	Developed by SPE & other leading providers. Some Spanish titles	<a href="http://www.4spe.org/training/products">www.4spe.org/training/products</a>
	OTHER	Career Transition Services	Outplacement program offered to member's company
Group Health Insurance		Health, disability & life insurance at attractive group rates	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>
Online Job Posting		A source for companies to find qualified staff	<a href="http://www.4careersolutions.org">www.4careersolutions.org</a>
SPE BookStore		Discounts on 250+ reference books & training products	<a href="http://www.4spe.org/training/products">www.4spe.org/training/products</a>
SPE/MBNA Credit Card		SPE Platinum Plus Mastercard® (US & Canada only)	<a href="http://www.4spe.org/membercenter">www.4spe.org/membercenter</a>

WEBSITE LINKS SUBJECT TO CHANGE - CHECK [WWW.4SPE.ORG](http://WWW.4SPE.ORG) FOR FULL BENEFITS

## **WHY JOIN ?**

*It has never been more important to be a member of your professional society than now, in the current climate of change and volatility in the plastics industry. Now, more than ever, the information you access and the personal networks you create can and will directly impact your future and your career.*

### **Active membership in SPE:**

- **keeps you current**
- **keeps you informed**
- **keeps you connected**

**The question really isn't "why join?" but**

**WHY NOT?**



**Akron Section Society of Plastics Engineers**  
Tony Dean, Advertising Manager  
330-929-9916

---

**Website & Newsletter Advertising**

---

**Insertion Order 2011-12**

Polymer Valley News: Akron Section SPE Newsletter  
Delivered via email, stored at <http://www.akronspe.org/newsletter.htm>

---

Please check ad size wanted. One column is 3-7/8" wide.

This is the 53<sup>rd</sup> year of the Akron SPE Section and rates are for entire season, September 2011 – Summer 2012. **Payable in Advance. Please let me know if you need an invoice.**

Ad format must be electronic (but we can scan your original artwork). File size should be limited based on the size of the ad ordered. Oversized ads will be charged an additional fee. Acceptable formats are .bmp, .pcx, .jpg, .tif, .gif, or MS PowerPoint or Word (if you have any issues with format, please email us and we can provide assistance). **Color is Free! Color helps your ad stand out!**

**Email artwork and this Insertion Order (completed) as an attachment to [francis@neo.rr.com](mailto:francis@neo.rr.com)**

If you don't include your email address, we have no way of sending you each issue!

<b>(please X)</b>	<b>Ad Size</b>	<b>Dimensions</b>	<b>Price for year</b>
	Business Card	One column by 2" high	\$200
	Double	One column, 2 to 4" high	\$300
	Triple	One column, 4 to 6" high	\$400
	Half Page	One column, 10" high	\$500
	Half Page	Page width (7.5"), 5" high	\$500
	Hotlink to company website	N/A	\$75 / year

**The cost on a per issue basis will be calculated by dividing the "Year" price by 10**

**Contact Person**

**Billing Information:**

Company: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone #: \_\_\_\_\_  
Fax #: \_\_\_\_\_  
Email address: \_\_\_\_\_

**Mail checks, payable to AKRON SECTION SPE, to:**

Akron Section SPE  
c/o Tony Dean  
Akron SPE  
250 S. Forge Street  
Akron, OH 44325-0301



# Society of Plastics Engineers Membership Application

13 Church Hill Road, Newtown, CT 06470 USA  
Tel: +1 203-775-0471 Fax: +1 203-775-8490  
membership@4spe.org www.4spe.org

## European Member Bureau

Tel: +44 7500 829007  
speurope@4spe.org www.speurope.org

### Applicant Information

**Name:**  
first \_\_\_\_\_ last \_\_\_\_\_ mi \_\_\_\_\_

**Company Name and Business Address (or College):**  
company/college: \_\_\_\_\_  
job title: \_\_\_\_\_  
address: \_\_\_\_\_  
address: \_\_\_\_\_  
city: \_\_\_\_\_ state: \_\_\_\_\_  
zip: \_\_\_\_\_ country: \_\_\_\_\_

Phone/Fax Format: USA & Canada: (xxx) xxx-xxxx All Others: +xx(xx) x xxx xxxx

**Work Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

**Email:** *used for society business only* \_\_\_\_\_

**Home Address:**  
address: \_\_\_\_\_  
city: \_\_\_\_\_ state: \_\_\_\_\_  
zip: \_\_\_\_\_ country: \_\_\_\_\_

**Home Phone:** \_\_\_\_\_

Preferred Mailing Address:  Home  Business

**Gender:**  Male  Female

**Birth Date:** (mm/dd/yyyy) \_\_\_\_\_

**Demographics**

**Job Function** (choose only one)

Consulting  Purchasing  
 Design  Quality Control  
 Education (Faculty)  R & D  
 Engineer  Retired  
 General Management  Self-Employed  
 Manufacturing  Student  
 Marketing/Sales  Tech Support  
 Other

**Materials** (choose all that apply)

Composites  Polyolefins  
 Film  Polystyrene  
 General Interest  TPEs  
 Nylon  Thermoset  
 PET  Vinyls  
 Foam/Thermoplastics  No Interest

**Process** (choose all that apply)

Blow Molding  Injection Molding  
 Compression  Mold Making  
 Compounding  Product Design  
 Engineering Properties  Rotational Molding  
 Extrusion  Thermoforming  
 Fabrication  General Interest  
 Foam  No Interest

The SPE Online Membership Directory is included with membership. Your information will automatically be included.

Exclude my email from the Online Member Directory  
 Exclude all my information from the Online Member Directory  
 Exclude my address from 3rd party mailings

### Payment Information

<b>New Member 1 Year</b> <input type="checkbox"/> US \$144.00	<b>New Member 2 Years *</b> <input type="checkbox"/> US \$261.00	<b>Student Member</b> <input type="checkbox"/> US \$31.00	<p><b>Students must supply graduation date:</b> _____</p> <p><b>Membership Amount</b> _____</p> <p><b>Primary Division</b> <b>FREE</b></p> <p><b>Additional Division(s)</b> costs for each Additional Division</p> <table> <tr> <td></td> <td><b>1yr.</b></td> <td><b>2 yrs.</b></td> </tr> <tr> <td>US</td> <td>\$10.00</td> <td>\$20.00</td> </tr> </table> <p><b>TOTAL</b> _____</p>		<b>1yr.</b>	<b>2 yrs.</b>	US	\$10.00	\$20.00																				
	<b>1yr.</b>	<b>2 yrs.</b>																											
US	\$10.00	\$20.00																											
<p><b>My Primary Division is</b> (choose from below)</p> <p><b>Additional Divisions are available for a fee. Check below to select Additional Divisions.</b></p> <table> <tr> <td><input type="checkbox"/> Additives &amp; Color Europe (D45)</td> <td><input type="checkbox"/> Medical Plastics (D36)</td> </tr> <tr> <td><input type="checkbox"/> Automotive (D31)</td> <td><input type="checkbox"/> Mold Making &amp; Mold Design (D35)</td> </tr> <tr> <td><input type="checkbox"/> Blow Molding (D30)</td> <td><input type="checkbox"/> Plastics Environmental (D40)</td> </tr> <tr> <td><input type="checkbox"/> Color &amp; Appearance (D21)</td> <td><input type="checkbox"/> Polymer Analysis (D33)</td> </tr> <tr> <td><input type="checkbox"/> Composites (D39)</td> <td><input type="checkbox"/> Polymer Modifiers &amp; Additives (D38)</td> </tr> <tr> <td><input type="checkbox"/> Decorating &amp; Assembly (D34)</td> <td><input type="checkbox"/> Product Design &amp; Development (D41)</td> </tr> <tr> <td><input type="checkbox"/> Electrical &amp; Electronic (D24)</td> <td><input type="checkbox"/> Rotational Molding (D42)</td> </tr> <tr> <td><input type="checkbox"/> Engineering Properties &amp; Structure (D26)</td> <td><input type="checkbox"/> Thermoforming (D25)</td> </tr> <tr> <td><input type="checkbox"/> European Medical Polymers (D46)</td> <td><input type="checkbox"/> Thermoforming, European (D43)</td> </tr> <tr> <td><input type="checkbox"/> Extrusion (D22)</td> <td><input type="checkbox"/> Thermoplastic Materials &amp; Foams (D29)</td> </tr> <tr> <td><input type="checkbox"/> Flexible Packaging (D44)</td> <td><input type="checkbox"/> Thermoset (D28)</td> </tr> <tr> <td><input type="checkbox"/> Injection Molding (D23)</td> <td><input type="checkbox"/> Vinyl Plastics (D27)</td> </tr> <tr> <td><input type="checkbox"/> Marketing &amp; Management (D37)</td> <td></td> </tr> </table>			<input type="checkbox"/> Additives & Color Europe (D45)	<input type="checkbox"/> Medical Plastics (D36)	<input type="checkbox"/> Automotive (D31)	<input type="checkbox"/> Mold Making & Mold Design (D35)	<input type="checkbox"/> Blow Molding (D30)	<input type="checkbox"/> Plastics Environmental (D40)	<input type="checkbox"/> Color & Appearance (D21)	<input type="checkbox"/> Polymer Analysis (D33)	<input type="checkbox"/> Composites (D39)	<input type="checkbox"/> Polymer Modifiers & Additives (D38)	<input type="checkbox"/> Decorating & Assembly (D34)	<input type="checkbox"/> Product Design & Development (D41)	<input type="checkbox"/> Electrical & Electronic (D24)	<input type="checkbox"/> Rotational Molding (D42)	<input type="checkbox"/> Engineering Properties & Structure (D26)	<input type="checkbox"/> Thermoforming (D25)	<input type="checkbox"/> European Medical Polymers (D46)	<input type="checkbox"/> Thermoforming, European (D43)	<input type="checkbox"/> Extrusion (D22)	<input type="checkbox"/> Thermoplastic Materials & Foams (D29)	<input type="checkbox"/> Flexible Packaging (D44)	<input type="checkbox"/> Thermoset (D28)	<input type="checkbox"/> Injection Molding (D23)	<input type="checkbox"/> Vinyl Plastics (D27)	<input type="checkbox"/> Marketing & Management (D37)		
<input type="checkbox"/> Additives & Color Europe (D45)	<input type="checkbox"/> Medical Plastics (D36)																												
<input type="checkbox"/> Automotive (D31)	<input type="checkbox"/> Mold Making & Mold Design (D35)																												
<input type="checkbox"/> Blow Molding (D30)	<input type="checkbox"/> Plastics Environmental (D40)																												
<input type="checkbox"/> Color & Appearance (D21)	<input type="checkbox"/> Polymer Analysis (D33)																												
<input type="checkbox"/> Composites (D39)	<input type="checkbox"/> Polymer Modifiers & Additives (D38)																												
<input type="checkbox"/> Decorating & Assembly (D34)	<input type="checkbox"/> Product Design & Development (D41)																												
<input type="checkbox"/> Electrical & Electronic (D24)	<input type="checkbox"/> Rotational Molding (D42)																												
<input type="checkbox"/> Engineering Properties & Structure (D26)	<input type="checkbox"/> Thermoforming (D25)																												
<input type="checkbox"/> European Medical Polymers (D46)	<input type="checkbox"/> Thermoforming, European (D43)																												
<input type="checkbox"/> Extrusion (D22)	<input type="checkbox"/> Thermoplastic Materials & Foams (D29)																												
<input type="checkbox"/> Flexible Packaging (D44)	<input type="checkbox"/> Thermoset (D28)																												
<input type="checkbox"/> Injection Molding (D23)	<input type="checkbox"/> Vinyl Plastics (D27)																												
<input type="checkbox"/> Marketing & Management (D37)																													

CHECK  VISA  AMEX  MASTERCARD

card number \_\_\_\_\_

expiration date (mm/yyyy) \_\_\_\_\_

**PAYMENT MUST ACCOMPANY APPLICATION**  
**No Purchase Orders Accepted**

Checks must be drawn on US or Canadian banks in US or Canadian funds.

Dues include a 1-year subscription to *Plastics Engineering* magazine—\$38.00 value (non-deductible).  
SPE membership is valid for twelve months from the month your application is processed.  
\*extra savings.

By signing below I agree to be governed by the Bylaws of the Society and to promote the objectives of the Society. I certify that the statements made in the application are correct and I authorize SPE and its affiliates to use my phone, fax, address and email to contact me.

signature \_\_\_\_\_ date \_\_\_\_\_

recommended by member (optional) \_\_\_\_\_ id # \_\_\_\_\_

webnew