

# Polymer Valley News

The Newsletter of the Akron Section of the Society of Plastics Engineers  
Our 52<sup>nd</sup> Year of Education and Service to the Plastics Industry

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## Costs, Schedules, Reservations

Member	\$25.00
Guest and Member	\$50.00
Retiree	\$20.00
Student	\$15.00

Cash bar	5:15 p.m.
Dinner	6:00 p.m.
Program	following dinner

Contact Mark Holtman on or before  
Feb. 15 - 330/972-6008  
holtman@uakron.edu

Vegetarian dinner can be accommodated -  
let me know when making reservation

**Coming Up:**

- Next meeting – Mar. 15
- Board meeting – Feb. 1, 2010,  
5:30 p.m. Polymer Eng. Center  
Conference Room

## Technical Meeting

Monday, February 15, 2010  
5:15 p.m.

Martin University Center  
105 Fir Hill Street  
*East Side of University of Akron Campus*

## Recent Developments in Organic Photovoltaics

By Prof. Alamgir Karim  
Dept. of Polymer Engineering, U of Akron

Exploitation of solar energy is being explored both nationally and globally, with economic solar technologies being identified by the National Academy of Engineering (NAE) as one of the 14 Grand Engineering Challenges of the 21st century. It is anticipated that in the future use of organic or polymeric based photovoltaics (PV) will provide solar technologies that are cheap enough to be widely exploited and therefore provide a significant fraction of future energy production needs.

*Continued on page 2....*

The  
University  
of Akron

See page 2 for  
Prof. Karim's biography

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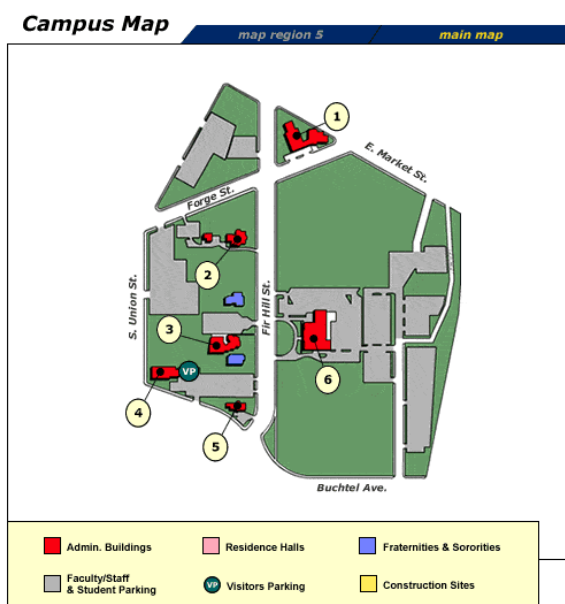


## Map to Martin University Center 105 Fir Hill Street Akron, Ohio

**Directions:** Exit Ohio 8 at Buchtel Street (between Central Interchange with I-76/ I-77 and the high bridge). Go West one block to Fir Hill and turn North. Parking lot is on the north side of Martin University Center.

If the ramp from 76/77 to Route 8 is still closed, traffic from the West should use the Route 59 detour, exit at Cascade Plaza and come up Mill Street past the APTC to Forge and then Fir Hill.

You may zoom in



Continued from page 1 ....

For organic photovoltaics (OPV) technology to meet these challenges, the efficiencies of OPV materials and devices must be enhanced several fold beyond the current ~5% to make these next generation solar cells competitive with current inorganic photovoltaics or hybrid systems. This presentation will review the rapid growth of research in OPVs - starting from fundamental principles to recent developments in new materials, concepts and current challenges.

## Biography of Speaker Alamgir Karim

Alamgir Karim received his B.S. in Physics from St. Stephens College, Delhi in 1985 and his PhD. in Physics from Northwestern University, Evanston, Illinois in 1990. He did an internship at IBM Almaden Research Center, San Jose and post-doctoral work at the Department of Chemical Engineering at the University of Minnesota, Minneapolis in 1991.

He is currently Goodyear Chair and Professor at the Department of Polymer Engineering at University of Akron. His group focuses on processing and characterization of functional block copolymer thin films for flexible electronic applications and polymer blend scaffolds for tissue engineering. He was previously Leader of the nanomaterials Group in the Polymers Division at NIST.

He has published over 170 papers in the area of polymer thin films research and is a Fellow of the American Physical Society

## 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 [www.akronspe.org](http://www.akronspe.org). If you post a question we will post it in the following newsletter along with the answer.*



## Membership Report

Akron had 1 new members join in December. Our membership number is at 295.

We had no transfers in or out of our section.

*Membership chair, Reza Sadeghi*

**New Member** - Say "hello and thanks for joining" if you know the following:

**Terry Philibin, Buckeye Medical Technologies LLC**

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Jim Williamson, Eastern Regional Sales Manager  
Phone 330-284-0600; Fax 330-365-3987;  
email: [jim.williamson@doverchem.com](mailto:jim.williamson@doverchem.com)

## Akron Polymer Training Center



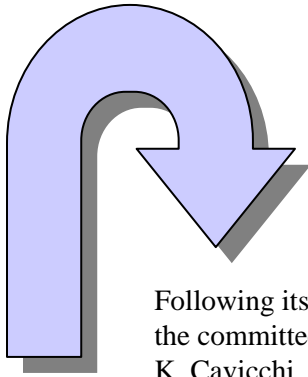
The Akron Polymer Training Center is committed to provide quality training courses for the plastics and rubber industries. Our classes are taught by University of Akron faculty and industry professionals. Visit our website at [www2.uakron.edu/aptc](http://www2.uakron.edu/aptc) for a complete list of our current course offerings.

### Customized Development and Delivery

The Akron Polymer Training Center also specializes in customized training developed specifically for your employees. Depending on your company's particular needs, our courses can be taught on site at your location, or at our state-of-the-art facility on the campus of The University of Akron. Our programs are designed to enhance on-the-job effectiveness for all professionals working in the polymer field. If you are experiencing difficulty with polymer-related design or processing problems, contact us. Our reliable and dedicated staff will work with your team to develop a training strategy guaranteed to produce results. Contact Tayba Tahir by phone at **330.972.8661** or email Tayba at [tahir@uakron.edu](mailto:tahir@uakron.edu). If you don't see what you need, no problem! We have the resources to solve even the most vexing polymer processing and design issues.



## *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.

*Lloyd Goettler*

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Dover Chemical Corp.	3
Polysort	5
Price Fitters ( <i>live link ad</i> )	4
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**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!**

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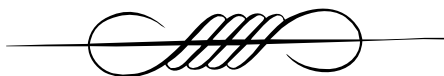
## Programs for 2009 / 2010

Sept. 21	<b>New Technology in Polymer Testing</b> Alpha Technologies, H. Pawlowski <i>-- Pizza/Pasta buffet at Alpha</i>	Jan. 18	<b>Water Purification via Reverse Osmosis,</b> Siemens Water, R. Stumm -- <i>Tangier Rest.</i>
Oct. 19	<b>Biopolymers: PLA Property Improvement</b> PolyOne Corp., R. Avakian <i>-- Martin Center</i>	Feb. 15	<b>Recent Developments in Photovoltaics,</b> Polymer Engineering Dept., U of Akron, Prof. A. Karim <i>-- Martin Center</i>
Nov. 16	<b>Recent Medical Applications for Plastics,</b> PolyOne Corp., L. Johnson PMC Smart Solutions, P. Cashen CleveX, Inc., C. Haavista <i>-- Martin Center</i>	Mar. 15	<b>Role of Polymers in Fuel Cell Technology,</b> Chemical Engineering Dept., U of Akron, Prof. S. Chuang <i>-- Martin Center</i>
Dec. 14	Holiday Gathering and Presentation <b>Alternative Sources of Electric Power Generation,</b> First Energy Corp., T. McDonnell and D. Plusquellic <i>-- Sheraton Suites, Cuyahoga Falls</i>	Apr. 19	<b>Technology Commercialization,</b> Bright Idea Shops LLC, A. Robbins <i>-- Martin Center</i>
		May 10	<b>Awards Night</b> <i>-- Raintree CC</i>

2009 meetings are joint with Cleveland Section, all on Mondays at 5.30 pm unless otherwise stated.

### Akron Section SPE Past Presidents

*51 years of  
excellence*



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





# SOCIETY OF PLASTICS ENGINEERS

## Call for Papers

**9<sup>th</sup> Thermoplastic Elastomers Topical Conference® 2010**  
**“Rebound With TPEs”**  
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The TPE SIG and the Akron Section of SPE invite the submission of papers for presentation at the 9<sup>th</sup> TPE TopCon 2010.

Please submit paper title, abstract, author/presenter name and affiliation to:

**Tim Buckley**

**Ticona Corp.**

**7571 Mannheim Ct**

**Hudson, OH 44236**

**Tel: +1 330-631-7478**

**Fax: +1 330-655-2735**

**Email: [tim.buckley@ticona.com](mailto:tim.buckley@ticona.com)**

**Abstract Deadline: January 31, 2010**

**Completed Paper Deadline: June 1, 2010**

# Minutes of Board Meeting – January 4, 2010

**Call to Order:** 5:30 PM at University of Akron - PEAC.

**Present:** Dave Katz, Vivian Malpass, Lloyd Goettler, Bob Wegelin, Mark Holtman, Joe Mattingly and Tony Dean (scribe)

**Absent:** Kevin Malpass, Dave Schultz, Chaitanya Pratiwada, Sadhan Jana, Gary Taylor, Kevin Cavicchi and Reza Sadeghi

**Secretary:** David Schultz

- Minutes of December 7, 2009 meeting reviewed and approved.
- Since Dave Schultz was not present, Tony Dean was acting secretary.

**President:** David Katz

- Dave announced that Lloyd Goettler has accepted the position of President/Chair-elect. Thank you, Lloyd, for stepping in. The Akron Section should now be cleared to receive a potential \$1500 rebate from SPE Int'l. Dave Katz and Gary Taylor will clarify the nature and time period of the rebate.
- Dave has submitted the application for this year's Pinnacle Award.
- Dave has composed a letter asking for sponsorship of this year's Awards Banquet. It will be sent out to the technical executive of local companies. The board suggested that the wording contain different levels of contributions. There would then be three levels of recognition along with a "blank" amount. Dave Katz will rewrite the letter and send it out to local companies.

**President-Elect:** Lloyd Goettler

- Lloyd will begin planning program for 2010/2011 year. He will try to get speakers with more name recognition.

**Past President:** Joe Mattingly - No report.

**Director:** Lloyd Goettler - No report.

**Treasurer:** Gary Taylor - No report.

**Councilor:** Joe Mattingly - No report.

**Hall of Honor:** David Katz

- Digital picture frame will be placed on wall in Polymer Science Building in a protective enclosure.
- Dave Katz reports will continue to work with Sarah Thoroley at PEAC to obtain a suitable enclosure and lettering.

**Polymer Ambassador Program:** Vivian Malpass

- 4 or 5 polymer ambaaot (teachers) are coming to ExxonMobil Chemical in Akron on February 13, 2010.
- Vivian Malpass requested a donation to the Polymer Ambassadors from the Education Foundation.
- Bob Wegelin will have a telecon with the Education Foundation Committee and the donation will be voted on.

**Newsletter:** Tony Dean - January newsletter has been published.

**Membership:** Reza Sadeghi - no report.





# Minutes of Board Meeting – January 4 (cont.)

## **Newsletter Advertising:** Tony Dean

- \$1,575 has been sold for the 2009/2010 year.
- Efforts to get new advertisers have failed thus far; still trying.

## **Website/Public Interest:** Tony Dean

- Tony Dean reported that website has been updated with the latest announcements and photographs.
- The January 18 meeting announcement will be in the January 10 issue of the Akron Beacon Journal (Business Section). The announcement was also placed on the PolymerOhio website.
- A committee consisting of Joe Mattingly, Dave Katz and Tony Dean are looking into rebuilding the website; however, a student has not been found who could do it at a reasonable cost. Polysort would charge \$2,200.
- Dave Katz wants a telecon meeting between the committee to decide whether or not to drop the web renewal effort for the current year. Tony Dean to organize the telecon before next board meeting.
- The remaining schedule for the 2009/2010 year has been published in the November/December issue of Plastics Engineering Magazine and will be published in subsequent issues until June.
- Tony Dean will take an inventory of the SPE files in Mark Holtman's office at the Polymer Engineering Center.

**Program:** Viv Malpass and Lloyd Goettler - no report.

**Student Chapter:** Chaitanya Pratiwada - no report.

**Education Committee:** Kevin Cavicchi - no report.

**Education Foundation:** Bob Wegelin - no report.

## **House:** Mark Holtman

- Mark reported that three people are signed up so far for the January 18 meeting.
- Mark may not make the meeting so he will send Bob Wegelin the pertinent information so that Bob can handle House duties.

## **TPE TOPCON:** Viv Malpass

- 14 abstracts received so far. Goal is minimum of 20 papers.
- Vivian and Technical Program Committee are and will continue to contact potential authors personally.
- TOPCON Committee will meet on January 6.

## **Old Business:** D&O Insurance for Akron SPE Section

-Lloyd Goettler reported that he hit a snag pursuing a D&O insurance quote for the Akron Section through his insurance agent, as requested by the BOD at the 12/07/2009 meeting. In order to proceed with the insurance for the Section only we need to provide documentation that shows that the Education Foundation is a legally separate organization from the Section. Bob Wegelin supplied Lloyd with the necessary documentation at the meeting. Lloyd will pursue the D&O insurance quote for the Section.

**New Business:** None

**Closing Comments:** Meeting was adjourned at 6:45 p.m. The next meeting of the Akron SPE Board of Directions is Feb 1 - PEAC at Univ of Akron - 5:30 p.m.



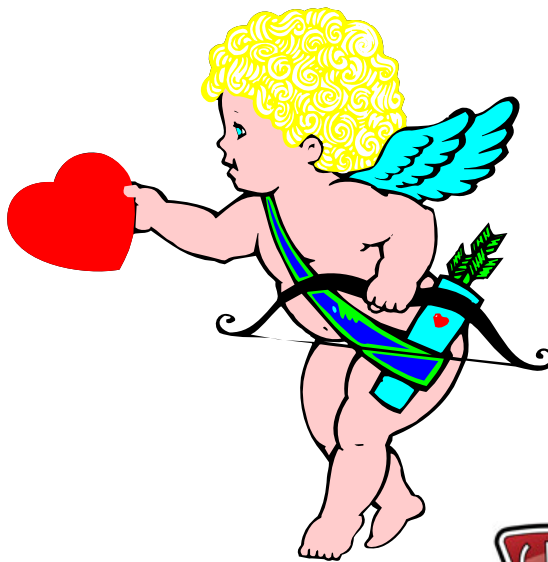
## Akron Section Board of Directors

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Vivian Malpass <i>Tek-Mark International</i> Prior Past-President, Conf., TOPCON 2010	330-342-1120 T 330-342-1134 F vivian.malpass@tek-mark.com
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Lloyd Goettler <i>Retired</i> – Director, Section Renewal	330-666-5180 T goet30@aol.com
Steve Pastor <i>The Technology House, Ltd.</i> Director	440-248-3025 x120 T 440-248-3882 F steve@tth.com
Jenny Digiantonio <i>ExxonMobil Chemical</i> Newsletter	330-849-5166 T 330-849-5599 F jenny.digiantonio@exxonmobil.com

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## Akron Section Society of Plastics Engineers, Inc.

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, Inc., 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 250 young men and women, totaling in excess of \$200,000 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 three named scholarships – ***Omnova***, ***Rubbermaid*** and ***Goodyear***. We are asking your company to help with the growth of well-trained individuals in the local polymer industry. Please check below:

\$30,000 lump sum     \$10,000 / yr next 3 yrs.     \$5,000 / yr next 6 yrs.

Other \_\_\_\_\_

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 will be 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 or e-mail at [robert.wegelin@sbcglobal.net](mailto:robert.wegelin@sbcglobal.net) with any questions. Thank you for your consideration.

Sincerely,  
Bob Wegelin, Chairman  
Akron Section Society of Plastics Engineers, Education Foundation Committee



# 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

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**Insertion Order 2009-10**

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

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

This is the 51<sup>st</sup> year of the Akron SPE Section and rates are for entire season, September 2009 – Summer 2010. **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
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	Half Page	One column, 10" high	\$500
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	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**

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**Mail checks, payable to AKRON SECTION SPE, to:**  
Akron Section SPE  
c/o Tony Dean  
Akron SPE  
P.O. Box 1417  
Akron, OH 44309



# Society of Plastics Engineers Membership Application

P.O. Box 403, Brookfield, CT 06804-0403 USA  
Tel: +1 203-740-5403 Fax: +1 203-775-8490  
www.4spe.org

European Member Bureau  
Eric Sasselaaan 51, BE-2020 Antwerpen, BELGIUM  
Tel: 32 (0)3 541 7755 Fax: 32 (0)3 541 8425 www.speeurope.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>	<b>New Member 2 Years *</b>	<b>Student Member</b>	<input type="checkbox"/> Students must supply graduation date: _____ <input type="checkbox"/> Membership Amount _____ <input type="checkbox"/> Primary Division <b>FREE</b> <input type="checkbox"/> Additional Division(s) costs for each Additional Division <table border="0"> <tr> <td></td> <td><b>1yr.</b></td> <td><b>2 yrs.</b></td> <td></td> </tr> <tr> <td><input type="checkbox"/> US</td> <td>\$10.00</td> <td>\$20.00</td> <td>_____</td> </tr> <tr> <td><input type="checkbox"/> Euro**</td> <td>€8.00</td> <td>€15.00</td> <td>_____</td> </tr> </table>		<b>1yr.</b>	<b>2 yrs.</b>		<input type="checkbox"/> US	\$10.00	\$20.00	_____	<input type="checkbox"/> Euro**	€8.00	€15.00	_____
	<b>1yr.</b>	<b>2 yrs.</b>													
<input type="checkbox"/> US	\$10.00	\$20.00		_____											
<input type="checkbox"/> Euro**	€8.00	€15.00	_____												
<input type="checkbox"/> US (\$140.00)	<input type="checkbox"/> US (\$253.00)	<input type="checkbox"/> US (\$30.00)													
<input type="checkbox"/> Euro** (€124.00)	<input type="checkbox"/> Euro** (€224.00)	<input type="checkbox"/> Euro** (€23.00)													

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**Additional Divisions are available for a fee. Check below to select Additional Divisions.**

<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"/> Extrusion (D22)	<input type="checkbox"/> Thermoforming, European (D43)
<input type="checkbox"/> Flexible Packaging (D44)	<input type="checkbox"/> Thermoplastic Materials & Foams (D29)
<input type="checkbox"/> Injection Molding (D23)	<input type="checkbox"/> Thermoset (D28)
<input type="checkbox"/> Marketing & Management (D37)	<input type="checkbox"/> Vinyl Plastics (D27)

**TOTAL** \_\_\_\_\_

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**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. \*\*European membership dues include a program fee to support SPE's activities in Europe.

By signing below I agree to be governed by the Constitution and 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 # \_\_\_\_\_

WWW