

Polymer Valley News

The Newsletter of the Akron Section of the Society of Plastics Engineers
Our 52nd 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
Jan. 15 - 330/972-6008
holtman@uakron.edu

Coming Up:

Technical Meeting

Monday, January 18, 2010
5:15 p.m.

Tangier Restaurant
532 West Market Street
Akron, Ohio 44303
(330) 376-7171

"Water Purification via Reverse Osmosis "

By Rick Stumm,
Technical Sales Representative
Siemens Water Technologies

SIEMENS

Outline:

Reverse Osmosis in the Municipal Market
Description of membrane construction
Membrane materials polymer, etc.
Types of membranes Nano- thin film- etc Ultra-filter
Ultra filtration vs. standard clarifier
Typical performance of reverse osmosis membrane systems
Reverse osmosis in the Industrial markets
1) Power plants
2) Water based coolant makeup
3) Boiler feed
Reverse osmosis in the Healthcare field
1) Laboratory
2) Dialysis water systems

See page 2 for
Mr. Stumm's biography

- Next meeting – Feb. 15
- Board meeting – Jan. 4, 2010, 5:30 p.m. Polymer Eng. Center Conference Room

Jan. 2010, Page 1



Map to Tangier Restaurant 532 West Market Street Akron, Ohio

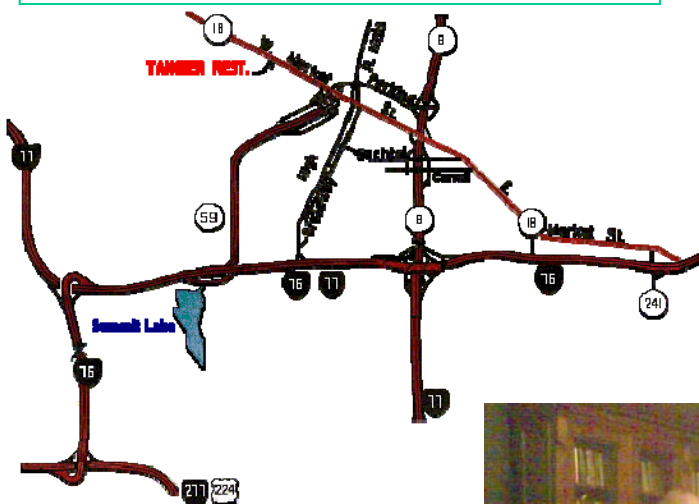
From North, Cleveland or Cleveland West - Route 71 South to Route 18 East (Market Street) to Tangier. Or Route 77 South to Ghent Road exit. Turn right onto Ghent Road. Proceed to W. Market Street (Route 18) and turn left to Tangier.

Cleveland East - Route 271 South to Route 8 South. Exit at Perkins Street. Turn right onto Perkins Street to High Street. Turn left onto High Street. Proceed to Market Street. Turn right onto Market Street.

From the South: Canton - Route 77 North to Perkins Street exit. Turn left onto Perkins Street. Proceed on Perkins Street to High Street. Turn left onto High Street. Proceed on High Street to Market Street. Turn right onto Market Street to Tangier.

From the East: Youngstown - Route 76 West to Broadway Street exit. Straight onto Broadway Street. (one way Street North) Proceed on Broadway Street to Market Street. Turn left onto Market Street to Tangier.

From the West - Route 76 East or Route 77 South to Route 59 North. Proceed on Route 59 to Market Street exit. Turn left onto Market Street. Proceed on Market Street to Tangier.



Rick Stumm Biography of Speaker

Siemens Water Technologies
3712 Commerce Dr. Copley OH 44312
Office 234 466 6174
richard.stumm@siemens.com
Web: www.siemenswater.com

Technical Sales – Job description: Provide water treatment equipment and treatment solutions to the Industrial, healthcare and institutional markets.

Cleveland State University Graduate. Began with US Filter in 1998. Siemens Purchased US Filter in 2004.

November Meeting



Speaker Phil Cashen (left), Larry Johnson (middle) and Akron Section SPE President Dave Katz



Speaker Larry Johnson



**Holiday
Gathering
Highlights**



Madrigal Singers



Speaker Dave Plusquellic of First Energy (left) and Dave Katz, Akron Section SPE President



Reza Sadeghi wins a prize



Gary Casterline (center) of the Cleveland Section SPE



Membership Report

Akron had 7 new members join in November. Our membership number is at 297.

We had no transfers in or out of our section.

Membership chair, Reza Sadeghi

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

Larry Cuba, Myers Industries, Inc.

Maria Ellul, ExxonMobil Chemical Co.

Jim Flanders, Schneller

Scott Hall, Facts, Inc.

Chris Holliday

Kari MacInnis, A. Schulman, Inc.

Evan Piland, Midwest Elastomers, Inc.

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Jim Williamson, Eastern Regional Sales Manager

Phone 330-284-0600; Fax 330-365-3987;

email: jim.williamson@doverchem.com

Akron Polymer Training Center



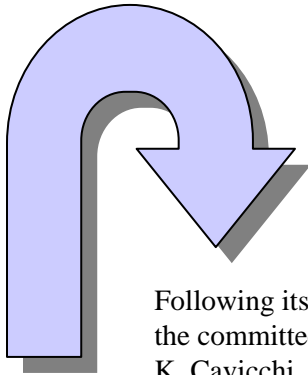
The Akron Polymer Training Center is committed to provide quality training courses for the plastics and rubber industries. Our classes are taught by University of Akron faculty and industry professionals. Visit our website at www2.uakron.edu/aptc for a complete list of our current course offerings.

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. 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.	4
Polysort	6
Price Fitters (<i>live link ad</i>)	5
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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 12) if you are interested.

Thank You!

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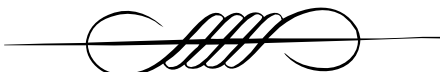
Programs for 2009 / 2010

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

9th Thermoplastic Elastomers Topical Conference® 2010

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September 13-15, 2010

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Presenting the latest in:

- **Market Trends and Economic Outlook**
- **Latest TPE Material Developments**
- **Latest Application Developments**
- **Advances in Processing Technologies**

The TPE SIG and the Akron Section of SPE invite the submission of papers for presentation at the 9th 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

Abstract Deadline: January 31, 2010
Completed Paper Deadline: June 1, 2010

Minutes of Board Meeting – December 7, 2009

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

Present: Dave Schultz, Vivian Malpass, Reza Sadeghi, Tony Dean, Joe Mattingly, Lloyd Goettler, Sadhan Jana and Mark Holtman

Absent: Kevin Cavicchi, Kevin Malpass, Dave Katz, Gary Taylor and Bob Wegelin

Mark Holtman - Thank you for the help with Parking Passes, need to be available by e-mail and at back door for remainder of SPE year.

BOD still need to carry out e-mail vote:

1-Add Steve Pastor to BOD as an At-Large Board Member.

2-Monies for IPEC-Polymer Ambassadors for year 2009/10 from Akron Section.

Secretary: David Schultz - Minutes - changes made, approved Nov 02 Meeting.

President: David Katz – not present

- David wanted BOD to review Dec Christmas Social as set for Dec 14 at Sheraton Suites - promote to members extra e-mail blast planned.

- David reports he continues to work on Pinnacle Award as he has template for 2008/09 year. Note to include: 50 Year Anniversary and New Directions.

- David also requested a BOD review of monies for Polymer Ambassadors-Voted and passed determined to check Bob Wegelin-Education Foundation for possible funding for year 2010, after decision made will review possible plan B for monies from Section.

- BOD welcomed under past Guidelines Steve Pastor to the BOD as an At Large Member.

- SPECIAL NOTE: We have agreed it would be good to review and modify By-Laws to reflect past years' actions of BOD-L. Goettler to review and modify for future vote.

President-Elect: Need candidate for 2010.

Past President: Joe Mattingly - No report.

Director: Lloyd Goettler - No report.

Treasurer: Gary Taylor

- Gary has provided latest Income and Expense for review. He also requests that all Chairs review Budget set for 2009/10 year.

- Gary will continue to carefully scrutinize monthly expenses and determine what Actions will need to be taken to reduce those expenses.

Councilor: Joe Mattingly - Joe attended on line the Council Meeting - plans to provide Report in Jan. First e - Council meeting went well, with 30 online including Akron centered on membership, ANTEC for 2010 and International interests Committee Reports.

Hall of Honor: Dave Katz - Continues to work with Sarah Thorley at PEAC on placement of Digital Picture frame in a protective enclosure - cabinet or just box enclosure - plus lettering- need to confirm details and costs.



Minutes of Board Meeting – December 7 (cont.)

Newsletter: Tony Dean

- Need articles for Jan. issue by Dec 21. Still requesting New Board Members as we move in the NEW DIRECTION.
- Need input from members as to what subjects they would like to hear about to help them in their business.

Newsletter Advertising: Tony Dean - Tony reports he has recently received monies for advertising as requested- quite slow on return for 2009/10 year.

Membership: Reza Sadeghi

- Reza reports Nov 297 with 7 new members.

Website/Public Interest: Tony Dean

- Tony Dean reported that website is updated.
- Tony /Joe continue to review options along with Dr. Jana for rebuilding of SPE site with help from Polymer Engineering- or IT at Univ. of Akron. Tony Dean will take an inventory of the files- Confirm complete.

Program: Viv Malpass and Lloyd Goettler

- Viv plans to confirm Cleveland Section still wants to attend and advertise Akron Section Meetings for year 2010.
- Dec 14 - Christmas Social- Comparison of Alternative Sources of Electrical Power Generation, Tom McDonell/Dave Plusquellic, First Energy - Sheraton Suites.
- Jan 18 - Tangiers-- Richard Stumm, Siemens Water Technologies, "Water Desalination and Purification Using Polymer Membranes".

Student Chapter: Chaitanya Pratiwada

- New PESO President and VP not present.
- Holiday Party set for Atrium in PEAC Dec 12.
- Plans are in place to develop program for Chase Award.
- PESO -Won monies from Extrusion Div to help take class of 30 students to visit PolyOne in Avon Lake - Spring 2010.

Education Committee: Kevin Cavicchi

- Kevin to make contact with ACCESS for HS Educational activities for help re local Science Fairs and Essay contest with SPE Intl.
- Kevin has sent out to list of High Schools information and guidelines for Essay Contest due Feb 1.

Education Foundation: Bob Wegelin

- Bob reported recent activity with Foundation, Taxes filed and Scholarship checks will be sent in Feb 2010.

House: Mark Holtman

- Mark confirmed set for meeting locations for remainder of the year 2009/10. Jan.-Tangier and Feb- April at Martin Center, May-Raintree.
- Mark to continue to review meal selections and details on beverages for future meetings.



Minutes of Board Meeting – December 7 (cont.)

TPE TOPCON: Viv Malpass

- Two E-mail blasts sent by SPE on CFP; CFP in Dec/Jan issues of PE and also in Upcoming Events; personal contacts to be made
- Exhibitors/Sponsors/CFP will soon be sent by Kevin Malpass.
- Target 35 Abstracts for 28 Papers- 12 abstracts received to date.
- Sadhan Jana to organize Akron U Student Poster Session.

Old Business: D&O Insurance for Akron SPE Section

- Lloyd Goettler reviewed D and O insurance with new criteria developed by BOD and found to be at lower cost for year- need to determine number of incidents that listed coverage covers.
- Plan to carry out further review of possible riders as well and determine if BOD will continue to consider based on costs and close review of expenses for 2009/10.

New Business:

1. IPEC - David Schultz/Viv Malpass: David informed that the Polymer Ambassadors will be meeting in Akron hosted by Carin Helfer-AGPA Feb 13-15 and encouraged Board involvement. This can also be considered for possible help and funds or service in kind for Polymers Ambassadors from Akron Section.
2. Need to determine other ways to make money for Akron Section.
3. Plan to forward letter to Section members re assistance in funding Awards. Awards Night set for May 10, 2010- Raintree CC.

Closing Comments: Meeting was adjourned at 7:00 PM. The next meeting of the Akron SPE Board of Directions is Jan 4 - PEAC at Univ of Akron - 5:30 PM.

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. 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.

For more information or assistance, call Rich Markham at 614-477-1133 or write to rmarkham@polymerohio.org.



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

SAVINGS TO MEMBERS

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

WEBSITE LINKS SUBJECT TO CHANGE - CHECK 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

Insertion Order 2009-10

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 51st 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

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

(please X)	Ad Size	Dimensions	Price for year
	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

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Company: _____

Name: _____

Address: _____

Phone #: _____

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Email address: _____

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 Sasselaan 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
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 Exclude my address from 3rd party mailings

Payment Information

New Member 1 Year	New Member 2 Years *	Student Member	<input type="checkbox"/> Students must supply graduation date: _____ <input type="checkbox"/> Membership Amount _____ <input type="checkbox"/> Primary Division FREE <input type="checkbox"/> Additional Division(s) costs for each Additional Division <table border="0"> <tr> <td></td> <td>1yr.</td> <td>2 yrs.</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>		1yr.	2 yrs.		<input type="checkbox"/> US	\$10.00	\$20.00		<input type="checkbox"/> Euro**	€8.00	€15.00	_____
	1yr.	2 yrs.													
<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)													

My Primary Division is (choose from below) _____

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 _____

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. **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