

Polymer Valley News

The Newsletter of the Akron Section of the Society of Plastics Engineers
Our 51st 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
Nov. 12 - 330/972-6008
holtman@uakron.edu

Coming Up:

- Next meeting – Dec. 14
- Board meeting – Dec. 7, 2009,
5:30 p.m. Polymer Eng. Center
Conference Room

Technical Meeting

Monday, November 16, 2009
5:15 p.m.

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

“Recent Medical Applications for Plastics”

*This presentation and panel discussion will be done by three
medical device industry experts who specialize in the medical devices.*

Larry Johnson, Global Healthcare
Marketing Director, PolyOne Corporation



Phil Cashen, Director, Medical Business
Development, PMC Smart Solutions



Clyde Haavista, CleveX, Inc.



See page 2 for meeting information.

See page 3 for
speaker biographies



“Recent Medical Applications for Plastics”

Larry Johnson, Global Healthcare Marketing Director, PolyOne Corporation, will speak about a newly developed line of polymers that is supporting a current critical need in the medical device industry, “Anti-Microbial Plastics”. Nosocomial (hospital born) infections are the 8th leading cause of death in the United States. This, along with government regulations and negative hygienic effects associated with bacterial, fungal and algae growth on plastic medical devices, makes for very powerful market drivers to minimize negative effects associated with microbial growth on healthcare plastics. The addition of antimicrobial additives into plastic materials for medical devices can play a key role in a hospital’s strategy to combat microbes, especially bacteria. This presentation will examine the drivers, regulatory activity, testing and technologies associated with battling microbial growth on plastic healthcare devices.

Phil Cashen, Director, Medical Business Development, PMC Smart Solutions will speak about the transition at PMC moving into molding critical implantable medical parts, “A Molder’s Experience – The Evolution Of A Medical Molder.” He will share his first-hand experience with a leading injection molding company making automotive and consumer products for a specialty medical molder. PMC has grown by focusing on molding for specialty markets but not before going through the intense process of becoming ISO certified. This experience involved re-focusing their target markets, setting up clean room operations and working with outside specialists to help with the certification process.

Clyde Haavista of CleveX, Inc. will discuss molding from a product designer perspective, “Important Considerations When Choosing A Supplier.” Our final speaker has been involved with product development of medical devices. He will discuss what a device company and those developing devices look for in a molder or component supplier.

The presentations will be followed by a panel discussion allowing questions from everyone in the group.

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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. If you post a question we will post it in the following newsletter along with the answer.

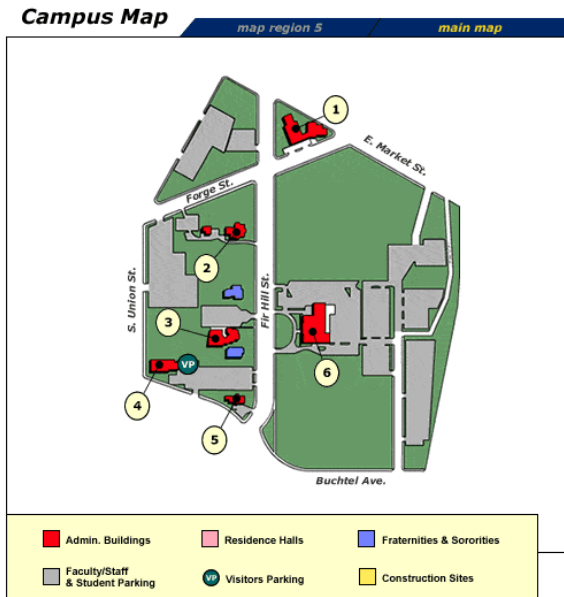


Map to Martin University Center 105 Fir Hill Street Akron, Ohio

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



Happy Thanksgiving



Biography of Speakers

PolyOne Corp.

Larry Johnson has been in sales and marketing positions at various levels in the healthcare and TPE markets for over 20 years with companies like GLS Plastics, Atochem, BFGoodrich, Ticona, Bayer/Deerfield Urethane and Foster Corporation. He currently is Global Healthcare Marketing Director for PolyOne Corp.



Larry has a Bachelor of Science degree in Business and an MBA in Marketing and Finance, both from Wright State Univ. in Dayton, OH.

PMC Smart Solutions

Phil Cashen is the Director of Business Development for PMC Medical (an injection molding company) located in Shelbyville, Indiana. PMC Medical manufactures implantable devices for a wide variety of medical applications. Mr. Cashen



leads the effort in identifying new opportunities and technologies for PMC Medical.

With over 8 years of business development in implantable biomaterial applications, he has experience working with a wide range of technologies, biomaterials and related implantable applications. The markets for these implants include sports medicine, spine, cosmetic surgery, cardiology and biopsy.

In the 70's and 80's, Mr. Cashen was Managing Director of UVP GmbH in Giessen, Germany where he directed the global marketing efforts for equipment used in genetic research and semiconductor manufacturing. Mr. Cashen attended Purdue Univ. and lives in Indianapolis, IN.



Pictures from Recent Akron SPE Meeting

Speaker Roger Avakian shows samples made from PLA Alloy



Akron Section President Dave Katz (left) and Speaker Roger Avakian

Social hour



Tim Buckley (left) talks to Ashok Adur



Membership Report

Akron had 7 new members join in September. Our membership number is at 311.

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:

Robert Detterman, Oxyvinyls, LP.
James Bradshaw, Allen Randall Ent, Inc.
Kevin Cavicchi, University of Akron
Jiali Jiang, University of Akron
Mark Martinez, ConservaPack, LLC
Eric McClanahan, University of Akron
Yangyang Wang, University of Akron



Akron Polymer Training Center



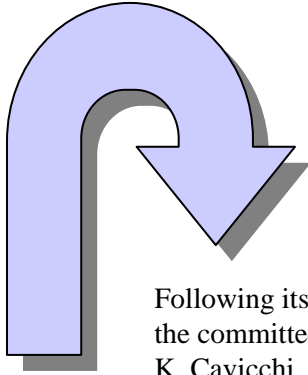
The Akron Polymer Training Center is committed to provide quality training courses for the plastics and rubber industries. Our classes are taught by University of Akron faculty and industry professionals. Visit our website at www2.uakron.edu/aptc for a complete list of our current course offerings.

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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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 13) if you are interested.

Thank You!

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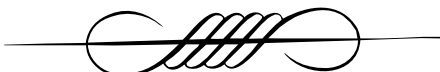
Programs for 2009 / 2010

Sept. 21	New Technology in Polymer Testing Alpha Technologies, H. Pawlowski <i>-- Pizza/Pasta buffet at Alpha</i>	Jan. 18	Water Desalination and Purification Using Polymer Membranes, Speaker TBA <i>-- Martin Center</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





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

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Hudson, OH 44236

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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 – October 5, 2009

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

Present: Joe Mattingly, Dave Schultz, Vivian Malpass, Lloyd Goettler, Dave Katz, Sadhan Jana, Kevin Cavicchi and Mark Holtman

Absent: Gary Taylor, Kevin Malpass, Bob Wegelin, Reza Sadeghi and Tony Dean

Guests: Steve Pastor- The Technology House- interest in Board, Mark Holtman- Thank you for the help with Parking Passes, passes now available for remainder of SPE year at back door of western PEAC building

BOD 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

- Changes made to Minutes - Further clarification for D and O Insurance - see Old Business.

- Minutes of Sept. 14 meeting modified, reviewed and approved.

President: David Katz

- David wants to confirm that Intl has Board of Directors as set for 2009/10 year- Done.

- He continues to feel that our Program based on recommendations from New Directions Committee will be excellent for members this year and hopes many will take advantage of learning about new technology in the polymer sector!!

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

President-Elect: Need candidate for 2010.

Past President: Joe Mattingly - no report.

Director: Lloyd Goettler - no report.

Treasurer: Gary Taylor - Gary has requested that all Chairs review Budget set for 2009/10 year.

Councilor: Joe Mattingly - Joe has stated that he will attend on line the Council Meeting set for Oct. 24.

Hall of Honor: Dave Katz

Working with Sarah Thoroley at PEAC on placement of Digital Picture frame in a protective enclosure, and lettering-need to confirm.

Newsletter: Tony Dean - Need articles before Oct 26 for Nov issue. Still requesting New Board Members as we move in the NEW DIRECTION.

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 - No report - anticipate slight increase from Sept. 344 members.



Minutes of Board Meeting – October 5 (cont.)

Website/Public Interest: Tony Dean

- Tony Dean reported that website is updated.
- Tony/Joe have met and discussed in detail the need for rebuilding of SPE with help from Polymer Engineering- have identified a candidate-student to help rebuild. Tony Dean will contact and start work.
- Tony Dean will take an inventory of the files- Confirm complete.

Program: Viv Malpass and Lloyd Goettler

- Viv reports Cleveland Section will attend and advertise all of the Akron Section Meetings for year 2009/10.
- Viv and Lloyd re-reviewed the year as set by New Directions Committee-noted below are 2009.
- Sept. 21- Alpha- Dynisco- New Technology in Polymer Testing- Tour-Good turn out, very interesting presentation on rheology and testing of plastics - Henry Pawlowski.
- Oct.19- BioPolymers- Sustainable Alternatives to Oil-based Polymers - Martin Center.
- Nov 16- Recent Developments in Medical Applications - Martin Center.
- Dec 14- Christmas Social - Comparison of Alternative Sources of Electrical Power Generation- Sheraton Suites.
- Planning ongoing Jan - Polymeric Membranes as used in Water Treatment systems.

Student Chapter: Chaitanya Pratiwada

- New PESO President and VP have class Monday during BOD, Kevin and Sadhan will report on PESO activities but BOD would also like to see other PESO members attend meetings and BOD if possible.
- Joe Mattingly to forward pdf format information for U of A- PESO website.

Education Committee: Kevin Cavicchi

- BOD reviewed ACESS activities and noted Annual Awards Banquet set for Nov 5, voted to provide monies for support and will review online with BOD on additional support re Scholarship/ Teacher.
- Kevin also will get contact at ACESS for HS Educational activities for help re local Science Fairs and Essay contest with Intl.

Education Foundation: Bob Wegelin - Chair

Bob and Joe have confirmed members to BOD and provided a written report of activity.

House: Mark Holtman

Mark reports he is set for meeting locations until Jan. including Oct and Nov at Martin Center and finalizing details for Dec -X-Mas Social at Sheraton Suites.

TPE TOPCON: Viv Malpass

- Viv reports that new date is set and confirmed for Sept 13-15, 2010- Rebound with TPE - Title, New SIG Chair - Tom Bell, plus new Tech Program Chair- Tim Buckley- Ticona.
- Target 35 Papers and Posters -Univ. of Akron- 5-7 and Case Western-3-5.

Old Business: D&O Insurance for Akron SPE Section

- Lloyd Goettler reports that he feels we now have done due diligence to this insurance issue dealing with liability for BOD. He further reviewed Intl policy as set for Sections/Divisions and SIGs.
- We have confirmed that many of the surrounding Sections- Cleveland, Chicago, Detroit and Pittsburgh plus some Divisions - have looked at Insurance in the past but did not feel it necessary based on their activities.
- Lloyd has agreed to handle another review of suppliers of D and O Insurance with new criteria.



Minutes of Board Meeting – October 5 (cont.)

New Business: Section Renewal - Lloyd Goettler; IPEC - Viv Malpass

- Viv reviewed for BOD need for funding to IPEC-parent organization for Polymer Ambassadors, as we have funded in the past they are in dire need of additional funds in order to continue their work as Teachers promoting polymers to K-12 students.

- BOD decided we must first review the Budget as prepared by Gary Taylor prior to vote- online for funding.

- Current BOD

President - David Katz

President Elect - TBD

Past President - Joe Mattingly

Councilor - Joe Mattingly

Treasurer - Gary Taylor

Secretary - David Schultz

Web - Tony Dean

Education Foundation - Bob Wegelin

Education - Kevin Cavicchi with Lloyd Goettler mentor

House - Mark Holtman with Bob Wegelin - mentor

Student Chapter - Dr. Sadhan Jana - President - Chaitanya Pratiwada

Closing Comments: Meeting was adjourned at 7:00 PM. The next meeting of the Akron SPE Board of Directions is Nov 2- 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
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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.



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Joe Mattingly Past-President, Councilor, Akron SPE Website Renewal	330-962 5299 T jsmatting@aol.com
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
Chaitanya Pratiwada <i>Student - U Akron Polymer Engineering</i> Student Chapter President	330-780-6415 T 330-258-2339 F chaitanya.pv@gmail.com
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Lloyd Goettler <i>Retired</i> – Director, Section Renewal	330-666-5180 T goet30@aol.com
Jenny Digiantonio <i>ExxonMobil Chemical</i> Newsletter	330-849-5166 T 330-849-5599 F jenny.digiantonio@exxonmobil.com

Open Positions:
President-Elect
Awards Committee

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Bonnie Kaczowski Customer Relations Manager Membership	bakaczowski 740-5428
Tom Conklin Sr. Manager, Marketing	tconklin 740-5453

Board Of Director Meeting Dates (Monday):

2009--9/14, 10/5, 11/2, 12/7

2010--1/4, 2/1, 3/1, 4/5, 5/3, 6/7



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





	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

	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	www.4careersolutions.org
	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

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

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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.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
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Payment Information

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

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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