

Polymer Valley News

The Newsletter of the Akron Section of the Society of Plastics Engineers
Our 50th Year of Education and Service to the Plastics Industry

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Costs, Schedules, Reservations

Member	\$25.00
Guest and Member	\$45.00
Retiree	\$20.00
Student	\$15.00

Social	5:30 p.m.
Dinner	6:15 p.m.
Presentation	7:00 p.m.

Contact Bob Wegelin on or before
Nov. 20 - 330/414-1498
robert.wegelin@sbcglobal.net

Technical Meeting

Monday, November 24, 2008
5:30 p.m.

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

"Polymers at the University of
Akron—Past, Present and Future"

By:
Frank Kelley
Miko Cakmak
Sue Louscher
Sadhan Jana



Frank Kelley will present the history, Miko Cakmak the present with emphasis on the Wright Center for Innovation, Sue Louscher the Medina Center and Sadhan Jana the future.

Coming Up:

- Next meeting – Dec. 15 – Holiday Social
- Board meeting – Nov. 3, 2008, 5:30 p.m. at SteereAmerica



President's Message

Greetings,

The Akron SPE section has been planning a variety of meetings and events that look back on our past 50 years and forward into the future of plastics, and we are looking forward to having our members participate in our gala 50th anniversary celebrations throughout the year. With the holidays and busy fall season fast approaching, I wanted to remind our members of two upcoming events.

The First is our November 24th section meeting where we are going to be informed by the Presentation "Polymers at University of Akron - Past, Present and Future", with speakers: Frank Kelley, Miko Cakmak, Sue Louscher and Sadhan Jana. This should be a very informative and exciting look at the great work and future opportunities in plastics form one of the premier educational institutions in our field. We will be gathering at the Martin Center at 5:30 p.m. Dinner and the program will follow.

The second is our Holiday Social, held this year in the wine cellar of Tangiers on December 15th. We will be gathering there about 5:30 pm and will look forward to a sumptuous meal and the singing prowess of the Firestone High School madrigal singers. We hope everyone can join us to celebrate the holidays and enjoy the camaraderie of the Akron section members.

As our industry continues to grow, the Akron section wants to grow with it and you, providing our membership with the activities, events and information that interests you the most. We want your participation in as many activities as possible in the upcoming year and want to hear from you on the types of events and activities that interest you. Please feel free to contact me with your suggestions and feedback.

I am looking forward to seeing more new faces at our schedule of events throughout the upcoming year I hope all of you have had a happy and healthy summer. I look forward to seeing you at our monthly meetings.

Sincerely,
Joe Mattingly, President

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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.

Campus Map



Membership Report

Akron had 7 new members join in September. Our membership number is at **359**.

We had one transfer in and two transfers out of our section.

Membership chair, Reza Sadeghi

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

Bruce Corey, Husky Injection Molding
Oluyinka Dosunmu, student from University of Akron

Mark Holtman, University of Akron.

Ken Keuchel, Spunfab Ltd.

Alexei Melnikov, student from University of Akron

George Panagopoulos, Jr., ExxonMobil Chemical Company

Michael Widmor, Sid Richardson Carbon Company

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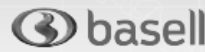
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The TPE SIG and the Akron Section of SPE invite the submission of papers for presentation at the 9th TPE TOPCON 2009.

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

Iani Manas, Eaton Corp.
115 Lena Drive
Aurora, OH 44202
Tel: 330-562-3847
Fax: 330-562-0925
e-mail: ianimanas@eaton.com

Abstract Deadline: January 31, 2009
Completed Paper Deadline: May 15, 2009

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.



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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.

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Programs for 2008 / 2009

Sept. 22	From Crude Oil to Polymers ExxonMobil Chemical, S.J. Holmes <i>-- Tangier</i>	Jan. 26	Ferriot – A Progressive Injection Molder , Ferriot Inc., Tour, Gordon Corky Keeler <i>-- Guy's Party Centre</i>
Oct. 27	A Schulman—A Global Company A Schulman Technical Center, Tour, Joe Ocampo <i>-- Royal Buffet</i>	Feb. 23	Moldmaking for Today and Tomorrow , Fremont Plastic Molds, Daryle Damschroder <i>-- Martin Center</i>
Nov. 24	Polymers at the University of Akron—Past, Present and Future , Frank Kelley, Miko Cakmak, Sue Louscher, Sadhan Jana <i>-- Martin Center</i>	Mar. 23	Lockheed Martin takes Akron to New Heights , Lockheed Martin, Tour, Clark Reed <i>-- Guy's Party Centre</i>
Dec. 15	Holiday Social <i>-- Tangier</i>	Apr. 29	50th Anniversary Gala Night <i>-- Firestone CC</i>
		May 18	Awards Night <i>-- Raintree CC</i>



Akron Polymer Training Center

Provides training classes for plastic and rubber processors 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.

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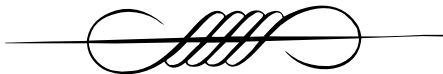
The Akron Polymer Training Center also specializes in customized training developed specifically for your employees. Depending on your company's particular needs, our courses can be taught on site at your location, or at our state-of-the-art facility on the campus of The University of Akron.

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.



Akron Section SPE Past Presidents

50 years of
excellence



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

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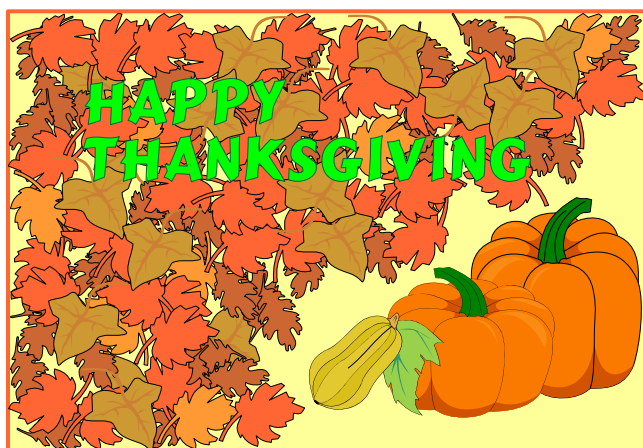
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Minutes of Board Meeting – October 6, 2008

Call to Order: 5:30 p.m. at SteerAmerica, Inc.

Present: Joe Mattingly, Joe Pfeiffer, Vivian Malpass, Alexei Melnikov and Tony Dean (scribe)
Absent - Kevin Malpass, John Woodside, Hemant Thakkar, Lloyd Goettler, Lauren Edwards, Gary Taylor, Michael Gintert, Dave Schultz, Dave Katz, Bob Wegelin, Sadhan Jana, Kaan Gunes and Reza Sadeghi

President: Joe Mattingly noted that there were a limited number of board members present and we didn't have a quorum.

- He reported that Constant Contact, our e-mail service, is adding additional services. There will be a small additional charge. Current charges are \$153/year. Joe Mattingly will talk to Gary Taylor about paying the bill.
- Future board meetings will be held at SteerAmerica, Inc. since parking at Akron Univ. has become a problem.
- Joe Mattingly requested that all his e-mails be sent to his SteerAmerica address – jmattingly@steeramerica.com
- Dave Katz needs to get the application for the Pinnacle Award and complete it. Deadline is approaching.

Past President: No report.

Prior Past President: No report.

President-Elect: No report.

Treasurer: Joe Mattingly for Gary Taylor. Gary Taylor e-mailed the checking account statement. Everything was in order and the section is in good shape. Rebate check was received from SPE Int'l.

Councilor: Joe Pfeiffer cannot attend the next council meeting set for weekend of October 18-19, 2008. Joe Mattingly cannot attend either. Joe Pfeiffer will e-mail board asking for a proxy. Section will pay travel expenses. Joe handed over some SPE files to Tony Dean. These files can be stored in the Akron SPE file cabinet at the Polymer Engineering Center. Joe will talk to Lauren Edwards to see if she wants to take care of the desktop display. Joe Mattingly said that he could keep the desktop display.

Secretary: Tony Dean was acting secretary. Approval of minutes postponed to next meeting due to limited number of board members present.

Awards: Joe Mattingly for Dave Katz. Picture of Hall of Honor Awardees removed from the Polymer Science. They are now in Sadhan Jana's office. Dave Katz is handling the digital display that is to be placed on the wall at the Polymer Engineering Center. The display will be in a glass enclosure that is 6' by 4'. Akron University is to be contacted about the aluminum lettering. Need to identify a volunteer to work on the display at the next board meeting. Alexei Melnikov will try to improve the quality of the older pictures.

Program and 50th Anniversary: Joe Mattingly/Vivian Malpass

- We are set for the October 27 meeting at A Schulman. There will be a tour and talk. Dinner is at Royal Buffet.
- There was some discussion that we bill no-shows. One approach may be to register by e-mail and have attendees prepay with credit card. Handling of no-shows to be taken up at next board meeting.
- Balance of programs for the 2008-2009 year set up.
- Vivian Malpass announced he has Gail Bristol of SPE Int'l for the speaker from SPE Int'l on the Gala Night.



Minutes of Board Meeting – October 6 (cont.)

Student Chapter: Alexei Melinkov. Student Chapter plans to have a Polymer Awareness Day in the spring of 2009

Newsletter: No report.

Membership: No report.

Education Committee: No report.

Education Foundation: No report.

Public Interest / Website: Tony Dean reported that directors and the website has been updated with 2008-2009 list of officers/directors and 2008-2009 program. He reported that wording was obtained from the legal department of SPE Int'l that will be placed on the Plastics Projects website to protect the section from any liability issues.

Advertising: No report.

Fall Golf: No report.

Spring Golf: No report.

House: No report.

ACCESS: No report.

Polymer Ohio: No report.

Communications: No report.

Old Business: No report.

New Business:

1. Engineers Week – Joe Mattingly

- ACCESS wants the Akron SPE to participate. The five attending board members thought it was a good idea; however, this matter needs to be discussed when more board members are present.

- Participation to be discussed at the next board meeting.

(2) D&O Insurance for SPE AKRON Section. To be discussed at next board meeting.

Meeting was adjourned at 6:50 p.m.

Closing Comments: The next meeting of the Akron SPE Board of Directors will be Monday, November 3, 2008 at SteerAmerica, Inc. starting at 5:30 p.m.



Councilor's Corner

I was unable to make the fall meeting in October in Connecticut. I had a sub from the board but something came up for him at the last minute and he could not make it either. I did get a detailed report from national and I will extract the highlights.

- Elections were held. Ken Braney made president elect. He is from the UK and has been very active on the national scene for the last few years. Russell Broome was elected as a senior VP. Russell was a former treasurer for the national board and is a fine outstanding "younger" leader. Brett Strong was elected as a VP. From AES, Helen Basso was elected as Chair of the Council Committee of the Whole.
- Budget was approved for calendar year of 2009. Net income is targeted at 52K. Full budget is available at the following <http://extranet.4spe.org/council/index.php> (2009 Budget Proposal Folder).
- Sections; the France section was reactivated. The Palisades and the New Jersey section were merged.
- Divisions; A new SIG was added and will be called the Radiation Processing of Polymers.
- Antec committee reports that paper submissions are up at this date.
- The communications committee is working on a new member handbook.
- The 2009 Operating plan was presented by President-elect Paul Anderson. Key objectives are membership growth, revenue growth through new partnerships, licensing and broader marketing efforts to grow non-dues revenue.
- A virtual conference Demo was presented by Lesley Kyle. SPE will host this conference in March, 2009.
- I see no discussion on rebates so I guess for now, the Akron section will be getting their rebates in 2009. I will try to find out what happened on this subject, since there was a proposal and discussion previously.

It sounds like it was a very productive and exciting meeting. The next meeting is at Antec in June of 2009 in Chicago. I will be attending and it will be my last meeting as Councilor. If you have any ideas and comments please contact me at jepfei@msn.com. Thank you.

Joe Pfeiffer



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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 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
David Katz, Advertising Manager
330-849-5074

Insertion Order 2008-09

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 50th Anniversary of the Akron SPE Section and rates are for entire season, September 2008 – Summer 2009. **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 david.a.katz@exxonmobil.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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Company: _____
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Mail checks, payable to AKRON SECTION SPE, to:
Akron Section SPE
c/o David Katz
ExxonMobil Chemical Co.
388 South Main Street
Akron, OH 44311



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

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								
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)			Additional Division(s) costs for each Additional Division <table border="0"> <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										
<input type="checkbox"/> CHECK <input type="checkbox"/> VISA <input type="checkbox"/> AMEX <input type="checkbox"/> MASTERCARD			TOTAL _____									

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