

# Polymer Valley News

The Newsletter of the Akron Section of the Society of Plastics Engineers  
Our 46<sup>th</sup> Year of Education and Service to the Plastics Industry

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**Click Link to TopCon  
Program:**



[http://www.4spe.org/conf/0509tpe\\_prog.php](http://www.4spe.org/conf/0509tpe_prog.php)

**Coming Up:**

- Next meeting – October 17, 2005
- Board meeting – Sept. 19, 2005, Akron Univ. Polymer Eng. Center

## TPE TopCon 2005

**September 12-14, 2005**

**Akron-Fairlawn Hilton**

**3180 West Market Street**

*Akron, Ohio 44333*



We are rapidly approaching the 2005 TPE TOPCON to be held at the Akron-Fairlawn Hilton on September 12-14. We have 30 excellent papers on marketing outlook for TPEs, new types of TPE, latest developments in TPUs and TPU blends, recent TPE applications and advances in TPE processing. In addition we have about 30 exhibitors and Bob Liskiewicz of AES and Donald Palac of NASA as our luncheon speakers.

Premier sponsors for the event are AES and RTP. We are indebted to both for their generous support which will help finance all aspects of the TOPCON. Likewise, A.Schulman is hosting the Monday night mixer and GLS the Tuesday night Wine and Cheese Reception. Our grateful appreciation again to both companies. Other sponsors of coffee and refreshments are Eliokem, BASF, Septon Co. of America and AES. Thanks to all for your support.

Please come and join us, and spread the word to your associates. We want this to be the most successful TPE TOPCON yet. We need your support to make this come true!!!!



# President's Message

You can tell that summer is, for all practical purposes, gone by the reappearance of the yellow buses on our streets and the sudden congestion of returning students on The University of Akron and other campuses. Though a somewhat more leisurely summertime may be over, we can be refreshed in the new initiatives that always seem to arrive at this time of year, almost like a beaconing for new resolutions in our social as well as our purposeful activities. Might I suggest that participation in local SPE events beginning this fall rate a high priority on your new "to do" list? You could begin by attending the biennial TOPCON that the Akron Section is holding again this year on September 12-14 at the Hilton West Hotel in Fairlawn, on the subject of Thermoplastic Elastomers. What a great opportunity to hear acclaimed speakers on the subject right here in your own backyard. Even if you are not currently working in that technology, there may be opportunities for new products, services or sales that you did not consider.



Then, later in the year and into the spring, there will be technical programs on other diverse subjects that hopefully will touch on all of our members interests. The important part is for you to come out and participate in order to make the most of your SPE membership. After all, interfacing with your colleagues and picking up some new ideas is what it is all about. Hope to see you soon!

*Lloyd Goettler  
Incoming President, Akron Section*



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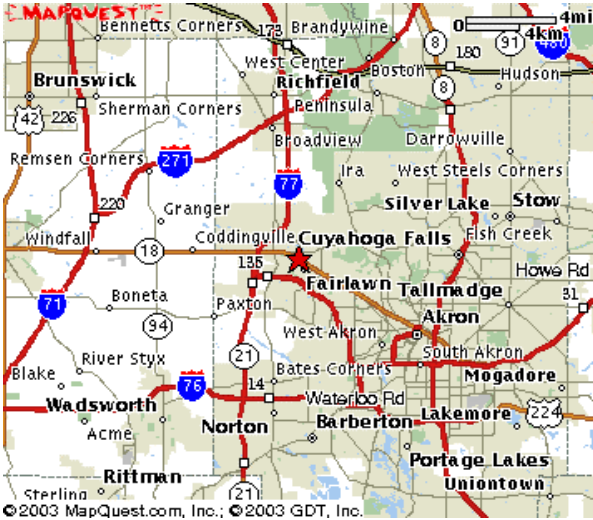
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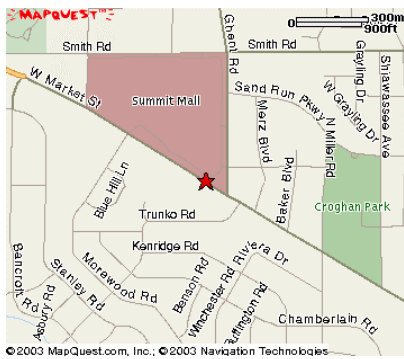
# Map to Hilton Akron-Fairlawn

3180 West Market Street

From North, exit I-71 (from Hopkins Airport) or I-77 (from Cleveland) onto Ohio 18, then go East on 18 to the Hilton, which is on Market Street across from Summit Mall. From West, use Ohio 21 to get to I-77, then exit as above. From South and East, exit I-77 at Miller Rd., then go North to Market Street and West to the Hilton.



Map detail



- Gravimetric & Volumetric Feeders
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## Advertising in the Newsletter

Please remember that you can advertise in our monthly Akron SPE newsletter (costs and size options are shown in the Insertion Order form). All companies who participated in the 2004/2005 season will have their advertisement extended to this first edition of the 2005/2006 season, after which they will be pulled if a current insertion order is not on file. Please contact our advertising chair, Joe Mattingly at [jmattingly@americhem.com](mailto:jmattingly@americhem.com).



# Membership Report – July, 2005

Current total is **386** paid members.

Two New members! They will be sent welcome emails.

Two members transferred to other sections and two members in.

Sixteen members renewed!

Thanks for all of the activity.

## Membership News from National

•Total membership for July 2005 is 18,719.

•July had 694 more members than July of 2004.

•A.I.M. continues to be the best way to track new prospects. Conversion rate in this process is 21% which is much higher than any other recruitment technique.

•For tracking and encouraging new members, go to [www.4spe.org/communities/ld/aim.php](http://www.4spe.org/communities/ld/aim.php).

•National is looking for ideas to grow membership. We are as well here in Akron. Got any ideas on how to recruit new members, email me at [jepfeiffer@santoprene.com](mailto:jepfeiffer@santoprene.com). Our numbers are down from the spring where we hit a high of about 430 members. Hopefully we just got caught in a temporary lull from renewals.

•Are you due to renew? You should have received your messages by now so be sure to renew. You do not want to become a suspended member! If you have problems renewing, email me also.

•Stay tuned for recruitment activities during our monthly technical meeting. Next one is at the TPE Topcon in Akron. See us at the SPE table as soon as you register! See you in September! (Who sang that?)

Membership chair, Joe Pfeiffer, Santoprene Specialty Products

## New Members

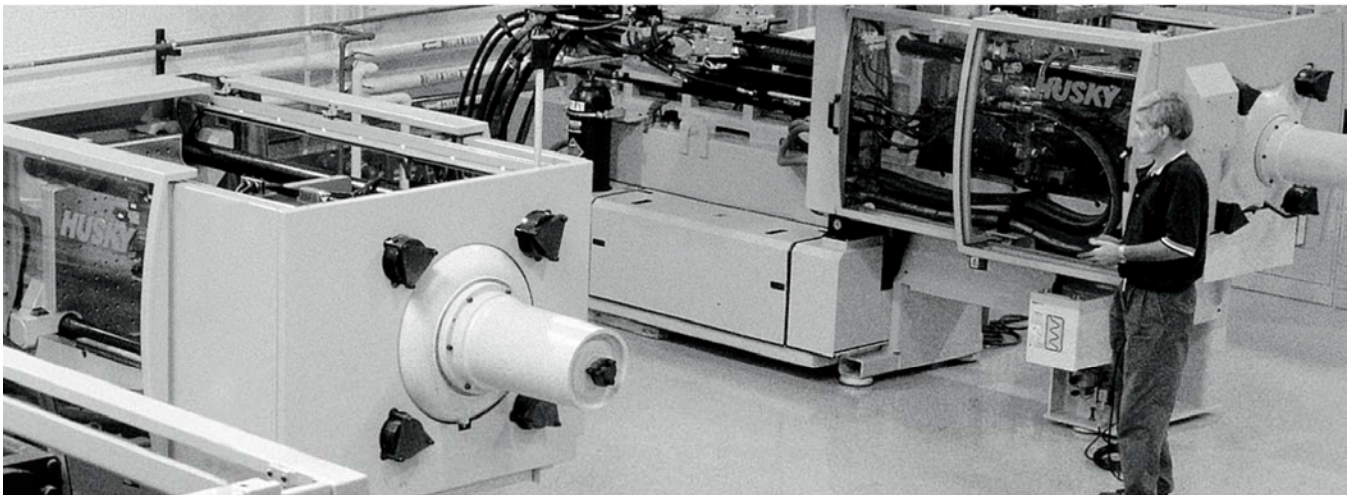
Say “hello and thanks for joining” if you know the following people, and thank you Robert and Ming for joining. Hope to see you at the TPE Topcon in September.

**Robert Pierson, Schneller**

**Ming Zhou, student, Univ. of Akron**

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## Programs for 2005 / 2006

Sept. 12-14	Thermoplastic Elastomers TOPCON -- Hilton Fairlawn	Feb. 27	Diamond Plant Tour Dinner Meeting
Oct. 17	JSW "Twin Screw New Technology" Lunch Meeting	Mar. 27	Mini-Tech Joint Meeting with ORPG and Firelands Stabilization of Rubber, TPE and Plastics
Nov. 21	Prof. Renecker of Polymer Science Akron University, "Electrospinning and Applications of Nanofibers" Lunch Meeting		3 to 6 papers on UV and light stabilizers, A.O., color stabilization and process aids Afternoon Meeting
Dec.	Social event to be determined	Apr. 24	Master Precision Molding "MUDD" Dinner Meeting
Jan. 23	Polymer Exchange Plant Tour (Plastic Recycler) and Eriez "Plastic Separation and Process" Dinner Meeting	May 12	Spring Golf Outing Joint Meeting with Cleveland - Barberton Brookside
		May 22	Awards Banquet Dinner Meeting



### 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](http://www2.uakron.edu/aptc) for a complete list of our current course offerings.

#### Customized Development and Delivery

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

Our programs are designed to enhance on-the-job effectiveness for all professionals working in the polymer field. If you are experiencing difficulty with polymer-related design or processing problems, contact us. Our reliable and dedicated staff will work with your team to develop a training strategy guaranteed to produce results. Contact Tayba Tahir by phone at **330.972.8661** or email Tayba at [tahir@uakron.edu](mailto:tahir@uakron.edu). If you don't see what you need, no problem! We have the resources to solve even the most vexing polymer processing and design issues.



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## Akron Section SPE Past Presidents

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



# Councilor's Corner

Your Councilor attended all the 2004-2005 Council Meetings and plans to attend the first Council Meeting in the 2005-2006 year in Milwaukee on September 24. Key SPE accomplishments in the past year included:

- 1) turning around the SPE financial condition from red to black with a \$102,000 surplus at year's end (June30)
- 2) reversing the negative trend in membership with a modest 2% increase attributed mostly to the new AIM program
- 3) having a better than expected SPE ANTEC in Boston
- 4) restoring the Section and Division rebates
- 5) holding a number of very successful TOPCONS

At the Milwaukee Council meeting, a proposal to dissolve the SPE Constitution and replace it with a revised/updated set of bylaws will be voted on. If passed, the SPE membership has to vote and approve in January. Also, the 2006 SPE Budget has to be voted on and approved. This projects a modest surplus of \$79,000.

Next year's ANTEC will be in Charlotte, NC. Start making plans to attend!

If you have any questions or suggestions please contact me at [tekmark@worldnet.att.com](mailto:tekmark@worldnet.att.com) or phone 330-342-1120

*Viv Malpass*



The University of Akron

## The University of Akron Institute of Polymer Engineering

### Polymer Processing and Testing Services

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UA's Institute of Polymer Engineering works with all types of clients in the polymer industry, large companies and small firms, well-established businesses and start-ups. Companies turn to the Institute for assistance because they do not have the capabilities (equipment or personnel) to conduct their own research and testing.

The Institute of Polymer Engineering has a wide variety of specialized equipment needed for polymer processing, characterization, analysis and testing. Some of that equipment is listed here below.

To further discuss your needs, please contact Dr Lloyd Goettler at (330) 972-7467 [lagoett@uakron.edu](mailto:lagoett@uakron.edu) or Cameron Fraser at (330) 972-6008 [cfraser@uakron.edu](mailto:cfraser@uakron.edu)

#### **Analysis and Testing**

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- scanning electron microscopy
- atomic force microscopy
- optical microscopy
- laser microscopy
- TGA
- DSC
- FT-IR
- DMA
- APA
- stress strain testing
- rheology
- biaxial stretching

#### **Polymer Processing**

- single-screw extruding
- twin-screw extruding
- film casting
- film blowing
- fiber spinning
- injection molding
- compression molding
- vacuum molding
- blow molding
- compounding

#### **Sample Preparation**

- microtoming
- vacuum drying
- sputter coating
- particle size reducing



# Minutes of Board Meeting – August 17, 2005

**Call to Order:** 5:30 p.m. Akron University Polymer Engineering Center.

**Present:** Kevin Malpass, Vivian Malpass, Kaan Gunes, Lloyd Goettler, Cameron Fraser, Hermant Thakkar, Bob Wegelin, Joe Mattingly, Josh Wong, Tony Dean (Scribe)

**Absent -** Dave Schultz, Joe Pfeiffer, John Woodside, Gary Taylor, Kathy Perevosnik, Dave Katz, Sadhan Jana, Amruth Puttarudraiah

**Note:** OLD Business now has past Action Items

**Minutes:** June minutes were approved.

**Treasurer:** No report given; Gary Taylor absent.

**Officers, 2005:** Nothing noted.

**Awards 2005 Update:** Cameron had no report; however Vivian Malpass suggested that Tony Dean be nominated for Honored Service Member. **Action Item: Cameron Fraser to assemble the necessary information for nomination by October 30, 2005.**

**Student Chapter:** Kaan Gunes is the new president of PESCO (Student Chapter). He announced there will be Welcome Picnic on August 25 at Monroe Falls Park. There will also be a Fall Carnival (date to be announced) and a Xmas Party. The Xmas Party will also have the Polymer Science Department and Akron Section SPE in attendance. The date is December 9, 2005. **Action Item: Lloyd Goettler will e-mail board members with Welcome Picnic announcement.**

**Newsletter:** No report given; Joe Pfeiffer absent. **Action Items: (1) Tony Dean will contact Joe Pfeiffer about revisions to Officers/Directors names in newsletter. (2) All to supply Joe Pfeiffer with newsletter items by August 26.**

**Membership:** No report given.

**Councilor's Report:** Vivian will be going to the Councilor's Meeting in Milwaukee, WI on September 24. The big topic of discussion is the proposed new constitution and by-laws. The Boston ANTEC met expectations. ANTEC 2006 is in Charlotte, NC. **Action Item: Vivian to attend Councilor's Meeting.**

**TPE TOPCON 2005:** Vivian reported that there were 109 registrants so far. He also said that 140 room nights had been booked versus the 170 room nights needed so there would be no charge back to the conference. It appears that the 2007 TPE TOPCON might be held in Akron. **Action Item: Kevin to call Toth Mold about exhibiting at TOPCON.**

**Education Committee:** Scholarship information out. **Action Item: Hermant to check with Kathy to see if she will remain on committee.**

**Education Foundation:** Kevin reported the balance in the scholarship fund. The goal this year is to get five new companies to donate at least \$2,000 a year. Omnova appears to be backing out of their commitment.





# Minutes of Board Meeting – August 17, 2005 (cont.)

**Website:** Tony Dean reported that website is up to date.

**Advertising:** We currently have about 8-10 ads running; more are needed. **Action Item: Joe M. to send rate page to BOD members.**

**Auction:** Nothing to report.

**Program:** Nothing to report.

**House:** Martin Center prices have gone up. Dave Katz is shopping around elsewhere. There is a possibility of getting a discount at the Martin Center. **Action Step: Dave Katz to call Cameron Frazer regarding the discount at the Martin Center.**

**Fall Golf:** The Akron SPE will not have a Fall Golf Outing. It was suggested that the Fall Golf Outing including a Clambake be looked into next year. The Pittsburgh section will have a golf outing on September 7 and has invited the Akron section to join. **Action Step: Lloyd Goettler will circulate the announcement for Pittsburg's Golf Outing.**

**Spring Golf:** Bob reported that the Spring Golf Outing will be May 12, 2006 at Barberton Brookside Country Club.

**Past President's Committee:** Joe will get together with Bob Wegelin regarding plans for committee.

**ACCESS:** Lloyd will attend the next ACCESS meeting on August 25, 2005.

**Old Business:** Nothing to report.

**New Business:** Lloyd passed out 2004/2005 program. A motion was passed to approve the program, with the following comments:

- Our social event for December will include the Student Chapter. It will be held on Friday, December 16, 2005.
- The March 27, 2006 meeting is not set. The Pittsburg SPE Section may join the meeting. Tom Worcester of Process Controls also wants to present at the meeting. He will talk about feeding additives into a process which will be a good fit.

**New TOPCON:** The EPS Division wants the Akron Section to co-host a TOPCON on Display Technology in the Fall of 2006. The EPS Division wants to know if the Akron Section is interested. Considerable discussion followed. The board wanted to know what specifically was expected of the Akron Section by the EPS Division. A motion was passed that Akron Section would help out for a stake of 10-20% of the proceeds, without liability, depending on the level of duties and responsibilities assigned. **Action Step: Josh Wong is to ask the EPS Division exactly what EPS Division expects of the Akron section and report this to the board.**

The next board meeting will be September 19, 2005 at the Akron Univ. Polymer Engineering Center.



# Akron SPE Section Meeting Questionnaire

1. What type of meetings would you like to attend (technical, tours, entertainment, special events [auctions, awards], etc.)? Or do you just prefer a mix as we presently do?
2. Our meeting frequency is monthly from October through May. Do you feel this frequency is good and, if not, how often should we meet? Also our meetings have been every 4<sup>th</sup> Monday evening of the month. Would a different day increase attendance?
3. Do you have a preferred location and, if so, where would that be? Or do you prefer a variety of venues?
4. Is the time after work from 5:30 to 8:00 p.m. convenient, or would you prefer having more luncheon meetings?
5. Any other comments on how we can increase attendance and make our meeting more attended?

Send responses back to [jepfeiffer@santoprene.com](mailto:jepfeiffer@santoprene.com). Thank you for your thoughts and ideas.



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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 200 young men and women, totaling in excess of \$100,000 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 two named scholarships -- ***Newell/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.

I am looking forward to your support of this very worthwhile cause by your fine company. Please contact me at 216-573-7467 or e-mail at [kevin.malpass@gepolymerland.com](mailto:kevin.malpass@gepolymerland.com) with any questions. Thank you for your consideration.

Sincerely,  
Kevin Malpass, Chairman  
Akron Section Society of Plastics Engineers, Education Foundation



**Akron Section Society of Plastics Engineers**

Joe Mattingly, Advertising Manager  
330-929-4213, ext. 274

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**Insertion Order 2005-06**

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Delivered via email, stored at <http://www.akronspe.org/newsletter.htm>

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# Society of Plastics Engineers

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www.4spe.org

# MEMBERSHIP APPLICATION

## Applicant Information

<b>Name:</b> _____ first last mi		<b>Home Address:</b> <i>(please provide)</i> address: address: city: state: zip: country:	
<b>Applicant Type:</b> <input type="checkbox"/> Member <input type="checkbox"/> Student (must supply graduation date _____)		<b>Preferred Mailing Address:</b> <input type="checkbox"/> Home <input type="checkbox"/> Business	
<b>Job Title:</b> _____		<b>Job Function:</b> <i>(choose only one)</i> <input type="checkbox"/> Consulting (11) <input type="checkbox"/> Design (02) <input type="checkbox"/> Education (08) <input type="checkbox"/> General Management <input type="checkbox"/> Library (10) <input type="checkbox"/> Manufacturing (04) <input type="checkbox"/> Marketing (07) <input type="checkbox"/> Purchasing (06) <input type="checkbox"/> Quality Control (05) <input type="checkbox"/> R & D (03) <input type="checkbox"/> Retired (98) <input type="checkbox"/> Student (09) <input type="checkbox"/> Tech Support (12) <input type="checkbox"/> Other (99)	
<b>Company Name and Business Address (or College):</b> company/college: address: address: city: state: zip: country:		<b>Gender:</b> <input type="checkbox"/> Male <input type="checkbox"/> Female <b>Birth Date:</b> (mm/dd/yyyy)	
<b>Work Phone:</b> ( )		<b>Fax:</b> ( )	
<b>Home Phone:</b> ( )		The SPE Online Membership Directory is included with membership. Your information will automatically be included. <input type="checkbox"/> Exclude my email from Online Member Directory <input type="checkbox"/> Exclude all my information from Online Member Directory <input type="checkbox"/> Exclude my address from all 3rd party mailings	
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<b>My Primary Division is</b> (Division names are below) _____			<b>Primary Division</b> <b>FREE</b>
<b>Additional Divisions are available for a fee. Check below to select Additional Divisions.</b> <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"/> Injection Molding (D23) <input type="checkbox"/> Thermoplastic Materials & Foams (D29) <input type="checkbox"/> Marketing & Management (D37) <input type="checkbox"/> Thermoset (D28) <input type="checkbox"/> Medical Plastics (D36) <input type="checkbox"/> Vinyl Plastics (D27)			<b>Additional Division(s)</b> _____ cost for each Additional Division <b>1 year 2 years</b> US \$6.00 \$12.00 Canada \$9.00 \$18.00 Euros €6.00 €12.00  <b>TOTAL</b> _____

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

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

www 03/06