

# Polymer Valley News

The Newsletter of the Akron Section of the Society of Plastics Engineers  
Our 48<sup>th</sup> Year of Education and Service to the Plastics Industry

## Newsletter Contents

Meeting Announcement	1
Meeting Schedule, Cost	1
President's Message	2
Meeting Location	3
Speaker Information	3
Advertiser Index	4
Technical Questions on Plastics	5
Akron SPE Past Presidents	5
Programs for the Year	6
Pinnacle Gold Award	8
News from Student Chapter	9
Membership Report, 02/07	9
Councilor's Report	10
Board Meeting cancelled	11
Vinyl Promotion Network meeting	12
2007 Scholarship Program info	13
Scholarship Application	15
TOPCON 2007 Call for Posters	16
Akron Section Board Members	17
SPE International Contacts	17
SPE Educational Foundation	18
Member Benefits Guide	19
Insertion Order form – 2006/07	21
SPE Membership Application	22

## Costs, Schedules, Reservations

Member	\$25.00
Guests brought by Member	\$15.00
Retiree	\$20.00
Student	\$10.00
New Members	No Charge
Socializing	5:30 p.m.
Dinner	6:15 p.m.
Presentation	7:00 p.m.

Email Cameron Fraser on or before  
Mar. 15 - cfraser@uakron.edu

**Coming Up:**

- Next meeting – Apr. 16, 2007
- Board meeting – Mar. 5, 5:15 p.m.,  
Polymer Eng. Center

## Molder's Night

**Monday, March 19, 2007**

**5:30 p.m.**

## Guy's Party Center

500 East Waterloo Road

Akron, Ohio 44319

Each of three speakers will describe their companies' products, activities and viewpoints on US and foreign plastics manufacturing.

**Bob Beesley** - General Manager  
**Design Molded Products**

**Andy Moock** - Exec VP and COO  
**Alpha Security Products, Inc.**

**Ken Burkins** - VP of Sales and Marketing  
**Akron Porcelain and Plastics**

Questions will be held until after all three speakers have finished.

See page 3 for  
Information on Speakers

Mar., 2007, Page 1



# President's Message

Dear Section Member:

Thank you for taking time to read this important communication from your SPE Akron Section Board of Directors. You belong to one of the best sections in SPE and I hope you take advantage of what this great organization has to offer you.

In February we had a wonderful speaker, Lloyd Goettler, discussing "The Future of Polymer Nanocomposites". Please take a moment to review recent Akron Section activities:

<http://www.akronspe.org/pastevents.htm#feb>

Or to learn more about us and how you can benefit visit our web site: <http://www.akronspe.org/>

We have a special meeting March 19<sup>th</sup> on Global Competition. Please feel free to contact me by phone (216-741-6883) or e-mail [johnwoodside@ameritech.net](mailto:johnwoodside@ameritech.net) or, better yet, in person at one of our monthly meetings.

I'm looking forward to seeing you there.

*John Woodside  
President, Akron Section 2006-2007*

Ashland is North America's leading distributor of thermoplastic materials. Our supply chain includes the world's leading plastics producers.



**DUPONT**  
The miracles of science™

**BASF**  
The Chemical Company

**Bayer Material Science**

**ExxonMobil Chemical**

**basell**  
Polyolefins

Material Selection Assistance    Local Inventory  
Packaging Options    Dedicated Fleet

**ASHLAND.**

For more information, contact your local sales representative:  
1-800-531-7106 or visit us on the web at: [www.ashland.com](http://www.ashland.com)



Ashland is committed to the continuous evolution of technology and service solutions that promote health, safety and environmental protection around the world.

© Copyright 2007, Ashland \* Responsible Care is a registered service mark of the American Chemistry Council, the Canadian Chemical Producers' Association and of other entities in other countries.

## The Formula to Success on Internet

*Content = Traffic = Leads = Sales*

Good web site **Content** brings high-quality, high-volume **Traffic** that provides solid sales **Leads** and many opportunities for **Sales**.

For high-impact Internet marketing strategies, call (800) 326-8666 or (330) 665-5918.

**www.polysort.com**

*Internet Marketing Experts  
for the Plastics and Rubber Industries*



## Map to Guy's Party Center

500 East Waterloo Road  
Akron, Ohio 44319

\*After following most of these directions, Guy's is a very short distance from the exit on the left, just before Giant Eagle and across the street from Scorchers and the Waterloo Restaurant.

### From the North (Akron, Cuy. Falls, Hudson, E. Cleve)

Take Route 8 south until it becomes 77 south. Continue on 77 south for a little less than 2 more miles. Take the Waterloo Rd exit. Turn right at the bottom of the ramp.

### From the Northwest (Fairlawn, Montrose, W. Cleve)

Follow 77 south until it combines with 76 and then separates again, heading south (Rt 8 will head north, 77 will head south, take 77 south). Continue for a little less than 2 more miles. Take the Waterloo Rd exit. Turn right at the bottom of the ramp.

### From the East (Kent, Ravenna, Youngstown)

Follow 76 west to 77 south. Continue on 77 south for a little less than 2 miles. Take the Waterloo Road exit. Turn right at the bottom of the exit ramp.

### From the West (I-71, Wadsworth, Barberton)

Take 76/224 east until it turns into only St. Rt. 224. Follow St. Rt. 224 east to the Main Street exit. Turn left onto Main at the end of the exit ramp. Turn right at first major intersection -- Waterloo. Guy's is about a mile up on the right, just past Giant Eagle and across the street from Scorchers and the Waterloo Restaurant.

### From the South (Canton)

This is a little strange, but the easiest way. There is an exit ramp onto Waterloo from 77 south, but NOT from 77 north, so follow 77 north to the Wilbeth Road exit. Get off on that exit, then make two lefts, thus getting back onto 77 going SOUTH. Take the very next exit - Waterloo Rd. Turn right at the bottom of the exit ramp.

### From the Southeast (Canfield, Boardman, Alliance)

Follow St. Rt. 224 west to Kelley Ave/Waterloo Rd exit. Turn right at the end of the exit ramp and then, almost immediately, left onto Waterloo Rd. Take Waterloo Rd past where it crosses under I-77.

## Speaker Information and Web Sites

### DESIGN MOLDED PLASTICS

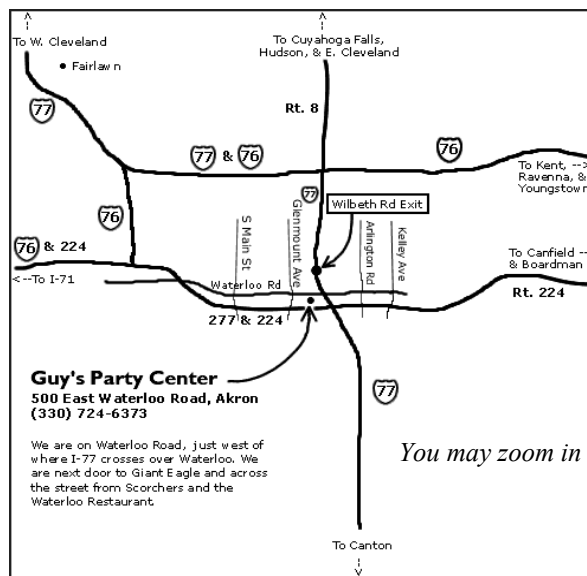
**Bob Beesley** is General Manager of **Design Molded Products**, a custom molder specializing in difficult parts and processes based in Macedonia, OH. He will focus on working with domestic OEMs to continue to streamline their manufacturing to improve efficiencies that offset lower labor costs overseas.



**Andy Moock** is Exec VP and COO of **Alpha Security Products, Inc.** He has traveled to China for over 5 years and has been in charge of multiple US and European manufacturing facilities for over 20 years. They have a plastics molding plant in Canton, OH and make extensive use of contract manufacturing in China. He will provide examples of business that belongs in the US as opposed to Alpha manufacturing in China.



**Ken Burkins** is VP of Sales and Marketing for **Akron Porcelain and Plastics** based in Akron and has also spent time in China. He will discuss both plastics and ceramic molding in the US and China.



## Advertiser Index

Akron Polymer Training Center	7
American Polymers, Inc	4
Americhem	7
Ashland	2
Capco Polymer Ind.	6
Chemir Analytical Services	7
Clariant	4
D-M-E	4
David Industrial Sales	4
Omya, Inc.	6
Polymer Processing & Testing Services	8
Polymer Resources	5
Polysort	2



**API** American  
POLYMERS, INC.

**Producer and Major Supplier of Quality Thermoplastic Resins**

- Polystyrene Producer
- Custom Compounded Resins
- Color Concentrates
- Blending and Grinding
- In-house Laboratory Testing
- Material Handling Systems

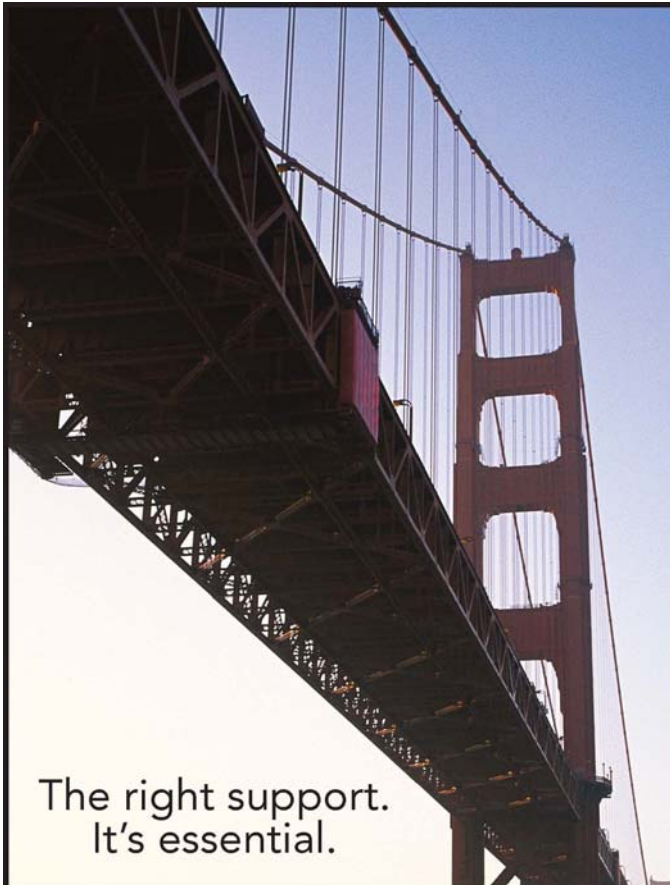
Our distribution and warehousing network system assures you on-time delivery:

- ABS
- Acrylic
- Nylon
- Polycarbonate
- Polyethylene
- Polypropylene
- Polystyrene
- SAN

**Bill Ferrell** (440) 358-0842  
**Scott Riegger** (330) 785-1300  
Sales Representatives

11 Buffum Dam Road • Oxford, MA 01540  
Tel (508) 987-8565 • Fax (508) 987-8292

[www.americanpolymers.com](http://www.americanpolymers.com)



The right support.  
It's essential.

D-M-E delivers the most complete set of market-leading products — plus unsurpassed knowledge and resources. It's how we're there to support you every step of the way.



[www.dme.net](http://www.dme.net) ♦ 800.626.6653  
a Milacron Company



• FEEDERS



• PNEUMATIC CONVEYORS



• CONVEYORS

SYSTEMS, INC. • BULK BAG SYSTEMS



• BLENDEES



• VALVES




• CRUSHERS



[www.davidindustrialsales.com](http://www.davidindustrialsales.com)

Richfield: (330) 659-3157    Perrysburg: (419) 874-1359



Exactly your chemistry.

Bob Woody

800-437-8369

[www.clariant.masterbatches.com](http://www.clariant.masterbatches.com)





## Technical Assistance Initiated On Akron SPE Web Site

*Do you have a technical question on plastics, polymers, rubbers, etc. Our web site now has a place where you can detail your question and the Akron SPE Board will use their collective knowledge and resources to answer your questions. Check it out at [www.akronspe.org](http://www.akronspe.org). If you post a question we will post it in the following newsletter along with the answer.*



**POLYMER RESOURCES LTD.**

*The Leader in Classic Engineering Plastic Compounds*

- PRL PC – Polycarbonate
- PRL PPX – Modified PPO/PPE
- PRL TP – PBT Polyester
- PRL ABS – ABS
- PRL PC/TP – PC Polyesters
- PRL PC/ABS – PC/ABS Blends
- PRL PEI – Polyetherimide
- PRL NY – Polyamide

**ROBERT SPANO**

OFFICE: 330-633-9699

E-MAIL: [rspano@PolymerResources.com](mailto:rspano@PolymerResources.com)

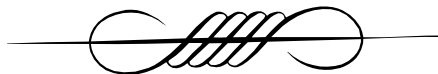
FAX: 330-633-9288

CUSTOMER SERVICE: 800-243-5176

[www.PolymerResources.com](http://www.PolymerResources.com)

## Akron Section SPE Past Presidents

*46 years of  
excellence*



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
		2005-2006	Lloyd Goettler



## Programs for 2006 / 2007

Sept. 18	<b>Latest Advances in Engineering Thermoplastics</b> Bob Moran, GE Plastics -- Martin Center	Jan. 22	<b>Mini-Symposium: Is PVC Dying?</b> Dan Kickel, PolyOne; Allan Marshall, Omnova; Lee Pfaffle, A.Schulman -- Guy's Party Center
Oct. 16	<b>Presentation and Tour of Kent State Liquid Crystal Institute</b> Dr. Philip J. Bos, LCI Associate Dir. -- Kent State Student Union	Feb. 19	<b>The Future for Polymer Nanocomposites</b> Lloyd Goettler, Akron U -- Martin Center
Oct. 23-24	EPSDIV / Akron SPE <b>TOPCON: Recent Advances in Organic and Polymer Display Technologies</b> -- Akron University	Mar. 19	<b>Molders Night – Global Competitiveness</b> Bob Beesley, Design Molded Prod. Andy Mooock, Alpha Security Prod. Ken Burkins, Akron Porcelain and Plastics -- Guy's Party Center
Nov. 20	<b>Latest Advances in Twin-Screw Compounding Extruders</b> Paul Andersen, Coperion -- Guy's Party Center	Apr. 16	<b>Bio-Engineering with Polymers</b> Tony Walder, Noveon Thermedics Tony Listro, Foster Judit Puskas, Akron U -- Martin Center
Dec. 14	<b>Holiday Party</b> (bring significant other) Christmas Special - For the Ladies; Deck the Halls; Madrigals -- Stan Hywet	May 21	<b>Awards Night</b> -- TBA
		May 18	<b>Spring Golf Outing - with Cleveland</b> -- Barberton Brookside CC



**Omya, Inc.**

**Kathleen Przybylski**  
 Regional Sales Manager  
 kathleen.przybylski@omya.com

**Supplier of Reliable, High Quality Calcium Carbonate to the Plastics Industry**

61 Main Street  
 Proctor, VT 05765  
 Tel (800) 451-4468 ext. 7274  
 Fax (330) 908-0420  
 Cell (330) 523-0225



44408 State Route 14  
 P.O. Box 4  
 Columbiana, OH 44408

Contact us at 888.482.4686 or  
[sales@capcopolymers.com](mailto:sales@capcopolymers.com)

- Prime
- Wide Spec
- Custom Recycling Program
- Next Day Delivery on In-stock Items
- "Your Complete Resin Source Since 1983"





## 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.

**Polymer Analysis Services**

Polymer, Filler and Additives

- Complete Deformulation
- Identification and Quantitation
- Competitive Product Analysis
- Product Failure / Defects


**C H E M I R**  
*Analytical Services*



ISO 9001  
Certified

2672 Metro Blvd., Maryland Heights, MO 63043

[chemir.com](http://chemir.com)



The leader in color and additive technology.  
Count on us to help solve your toughest challenges.

(330) 929-4213 • [www.americhem.com](http://www.americhem.com)



# Pinnacle Gold Award

## Congratulations !!

The Akron Section is one of 12 sections that won the SPE Pinnacle Gold Award this year. This is the second time we have won this prestigious Award. Thanks to all of you for your inputs into the award petition. It reminds us that the Akron Section is among the very best of SPE's Sections. Thanks and Congrats again.

See the February SPE Leadership News e-mail from Gail Bristol on [www.4spe.org](http://www.4spe.org)



The University of Akron

### The University of Akron Institute of Polymer Engineering

#### Polymer Processing and Testing Services

Don't want to invest in expensive equipment at this time? Don't know what equipment is best? Only need the use of the equipment for a short period of time?

Perhaps the best answer to these questions is to contract our polymer processing and testing services.

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**

- x-ray
- 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





## News from Student Chapter

Dear All,

The SPE Akron section student chapter is currently preoccupied with hosting career building activities, such as mock interviews or seminars on how to write appealing resumes and cover letters. We hope to bring industrial employees to the university to conduct some of these mock interviews, especially for the soon to graduate, 3rd and 4th year, polymer engineering students. In addition, the student chapter has been working closely with Mr. Michael Morley of the Career Management Office at UAkron. He has reviewed our student resumes for the publication of yet another edition of our Resume Book, which we plan to publish in the next week. He also conducted a career building seminar last semester in which he taught our students how to write effective resumes and cover letters, as well as how to act and what to say during the course of an interview.

Other things that the student chapter has been engaging in include funding students to travel and present their research at the annual ACS (American Chemical Society) meeting in Chicago and the annual APS (American Physical Society) meeting in Denver. This will allow these students to enhance their presentation skills as well as learn about other researchers' projects. Furthermore, the student chapter also plans to hold a skiing trip and a bowling/pool night event in the upcoming month.

Best regards,  
Sylvain Seif – SPE Akron Student Chapter President

## Membership Report – February, 2007

•Akron had 8 new members join in February. Our membership number is at **403**. See list below for new members. We also had 1 member transfer into our section and 6 transfer out, and six membership renewals.

### Membership News from National

National news - total membership is at 19338.

*Membership chair, Joe Mattingly*

**New Members** - Say “hello and thanks for joining” if you know the following people.

**Ernest R. Anderson, Advanced Elastomer Systems**

**Thomas Brammer**

**James A. Cieslak, Johnsonite**

**Lauren B. Edwards, Advanced Elastomer Systems**

**Kurt Houk, The Bonnot Company**

**Gilles Le Du, Multibase**

**Loic J. Vivier, Advanced Elastomer Systems**

**Harlan R. Wilk, PolyInsight LLC**



# Councilor's Corner

## Councilor Summary, January 2007

Hello from your Akron SPE councilor! I just returned from the winter 2007 meeting held in Charleston, South Carolina.

The main business accomplished was election of the national officers for the upcoming year.

President-elect will be William J.J. O'Connell.

Paul Anderson won for Senior Vice President.

James Griffing won for Vice President, Divisions.

Our friend from Pittsburgh, Dick Cameron, won for Chair for the C.O.W. committee.

### **Sections Meeting**

The highlights of the section meeting were mainly around discussions on regionalization. Three "new" sections were formed from mergers of other sections.

Jamal El-Hebri gave an excellent summary as the host section, Southern Section which includes Southern Georgia and South Carolina. This section has over 500 members and two student chapters, publishes 8 newsletters per year (4 electronic and 4 paper), website is [spesouthern.org](http://spesouthern.org). They have a variety of technical meetings and are most successful with Topcons and tours, sponsor an essay contest and give presentations on plastics to the local secondary schools. They came across as a good section with an enthusiastic board.

Elliott Weinberg gave a short presentation on regionalization. This is the term adopted for several "regional" sections joining together to form one larger and stronger section. His main message is that is inevitable and already happening with several sections.

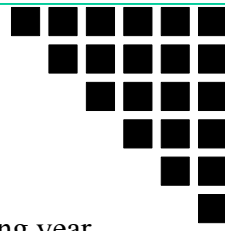
There was a discussion of technical meetings. What is working well is events rather than monthly meeting. Also, company support for SPE membership and activities is not as strong as in the past. Membership nationally is essentially flat and AIM is working well as a recruitment tool.

Barbar Arnold-Feret conducted a poll on 15 potential activities for council and sections over topics such as changing the current proxy system, regionalization, rebate changes, etc. The top 3-4 will be presented later after the council meeting is done.

### **COW Meeting**

Rebate requirements were discussed. They are the section must have officers, financial report and the councilor must attend at least 2 of the 4 meetings. Mergers were also discussed and Tricia McKnight highlighted what is needed for sections to do a merger.

*...continued*



# Councilor's Corner

## **COW Meeting ... continued**

Ernie Coleman discussed highlights of the Publications Committee. There is a new format to the Plastics Engineering magazine. There will be less ads with more technical articles. Mini-tech guidelines were also discussed and there is a need for a more thorough communication from the conference committee on this subject. Also, more communication about these events is needed on a national level.

## **MAIN COUNCIL MEETING**

Officers for the upcoming year were elected, see above details.

Tim Womer gave an initial discussion and highlighted his year -- one of his main messages was that the "strong" sections need to help the weaker sections with Mini-techs, communications, etc.

During the main council meeting there were several interesting presentations.

The treasurer reported that SPE finished the year in the black but short of budget. The shortfall was mainly due to a lower than anticipated ANTEC attendance and the advertising revenues from Plastics Engineering were also lower than expected.

Vickie Flaris, current President-elect and soon to be President, gave the operating plan for the upcoming year. Her three main objectives will be to grow SPE globally, grow communications and increase value of SPE to its members.

Reports were given from the following committees: Divisions, Sections, International, ANTEC and Conferences. There were several minor revisions to the bylaws that were approved by council. Susan Olderswald gave Executive and Staff report and summary. Awards were presented to several council members for international activities and other recognition.

I found my first meeting other than ANTEC most interesting and educational. Next meeting is ANTEC, and I thank Vivian Malpass for being my proxy at the September meeting in Pittsburgh. Let me know if you want input at the next meeting. Thank you.

*Joe Pfeiffer, 330-849-5097, email [jepfeiffer@santoprene.com](mailto:jepfeiffer@santoprene.com)*

## **Board Meeting – Cancelled**

The board meeting was cancelled by President John Woodside in February due to the very cold weather. John decided it would be better if we did not meet and go home in the below zero weather. Next month's meeting is on March 5th. By then, we should be out of the woods and starting to feel the warmer days. We will have minutes in April's newsletter from that meeting.



# Vinyl Promotion Network Meeting

June 5-6, 2007  
The Ritz Carlton Cleveland  
1515 West Third Street  
Cleveland, Ohio 44113  
216-623-0515

Please mark your calendars for the next upcoming VPN meeting June 5-6, 2007, in Cleveland, Ohio, at The Ritz Carlton Cleveland. A block of rooms has been reserved for the VPN meeting at the rate of \$204.00 per night. Please call the hotel directly to make your individual reservations and mention the Vinyl Institute's Vinyl Promotion Meeting to assure the proper room rate. Reservations by attendees must be received on or before Tuesday, May 8, 2007.

Check-in at the Ritz Carlton Cleveland is at 4:00 p.m. You may request an early check-in, which will be granted based only on availability, if you plan to arrive early. Check-out is at 12:00 p.m., however, you may request a late check-out if you plan to leave later.

There is a metro rail system that you can access from the Cleveland Airport called the Rapid Train. It takes you directly to the hotel. Board the train from Cleveland Airport to the Tower City stop, exit the train and take the escalator up three flights to the Ritz Carlton. The cost is only \$1.50.

If you have any further questions or need assistance, please contact Tarsha Snead at 703-741-5671 or via email at [tarsha\\_snead@plastics.org](mailto:tarsha_snead@plastics.org). Please fax your form to Tarsha Snead at 703-741-5672.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_ Zip \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Will you attend the Reception Dinner on June 5, at 5:30 p.m.?    \_\_\_Yes \_\_\_No

Will you attend the VPN Meeting on June 6 only?                    \_\_\_Meeting only



## 2006 Award Recipients

### Rubbermaid

Daniel Forpahl – University of Akron

### Goodyear Tire & Rubber Co.

Mitch Shipman - University of Akron

### Kenneth L. Sharp Memorial

Amy Liu - Hoover High School

### Akron SPE - Special Merit

Alicia Boykin - Xavier University

Emily Buzzelli - Archbishop Hoban

Kara Cheezan - Louisville High School

Grace Heinlein – University of Cincinnati

Alison Levy - Cornell University

Eric McClanahan - University of Akron

Tara McCoy - University of Akron

Gihyun Myung - Northwestern University

Jessica Watson - Louisville High School

## Scholarships Available

Goodyear Tire & Rubber  
Company

Rubbermaid

Kenneth L Sharp Memorial  
Scholarship

SPE - Akron Section  
Special Merit Awards

**The Society of Plastics  
Engineers, Inc.  
Akron Section  
Education Committee  
Chairman**

**Hemant Thakkar  
Akron Rubber Development  
Laboratory, Inc.  
2887 Gilchrist Road  
Akron, OH 44305  
330-794-6600  
hemant\_thakkar@ardl.com**

The Society of  
Plastics  
Engineers  
Akron Section

Educational  
Foundation



2007  
Scholarship  
Program  
Information



## Background

The purpose of the Akron Section SPE Scholarship Program is to promote knowledge in polymer science, engineering, and technology. Started in 1990, it has awarded over \$211,000 to area students. Particular emphasis is given to students enrolling in two- and four-year programs with a plastics application.

Scholarships for up to \$3,000 per year will be granted for tuition, books, laboratory fees, and other educational costs for courses necessary to earn a certificate or associate or baccalaureate degree in preparation for a career in polymers.

## General Information

The Scholarship Selection Committee consists of three to five Akron Section SPE members appointed by the President of the Akron Section.

### Committee tasks include:

1. Judging candidates based on established criteria and selecting scholarship recipients for Board approval.
2. Monitoring recipients' performances.
3. Determining eligibility for scholarship renewals.

### The criteria for candidate selection are:

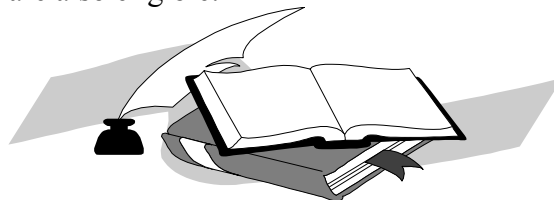
1. Scholastic Achievement
  - a. Grade point average.

- b. Courses and exposure to polymer related subjects).
2. Interest in a plastics career
    - a. Submitting an essay outlining career interests and goals.
  3. Financial need
  4. Social qualities
    - a. Leadership.
    - b. Extracurricular activities.
  5. Two letters of reference from instructors or supervisors. (to be included with application)
  6. Residence within area covered by Akron SPE.

## First-time Applicants

Interested students from local high schools, technical, and vocational schools, and area colleges are encouraged to fill out the attached SPE Scholarship Application form, including the essay, references, and current transcript.

All scholarships are awarded for one year with option for renewal. The awards are for full-time students only. Co-op students are also eligible.



Scholarship applications should be forwarded to:

**Hemant Thakkar, Chairman**  
Akron SPE Scholarship Committee  
ARDL, Inc.  
2887 Gilchrist Road  
Akron, OH 44305

**Deadline is March 10, 2007.**

## Renewal Applicants

### The scholarship recipient must:

1. Maintain a minimum **2.5/4.0** grade point average or equivalent.
2. Submit grade reports and course selections demonstrating polymer-related curriculum **prior to start of next semester.**
3. Apply for renewal scholarship using SPE application form. (References and essay are not required for renewal.)

Names of scholarship recipients will be distributed to donor companies for possible internship or cooperative programs.

The number of scholarships awarded per year will be variable depending on the number of qualifying applicants.



# 2007 Scholarship Application Akron Section - Education Committee

1. Applicant Name: \_\_\_\_\_
2. Your Home Address: \_\_\_\_\_  
City: \_\_\_\_\_ Zip: \_\_\_\_\_ Home Phone: \_\_\_\_\_
3. Your Address at School: \_\_\_\_\_  
City: \_\_\_\_\_ Zip: \_\_\_\_\_ School Phone: \_\_\_\_\_  
Your Email address: \_\_\_\_\_
4. Current School: \_\_\_\_\_  
Course of Study: \_\_\_\_\_  
Cumulative GPA: \_\_\_\_\_
5. School/College to be attended: \_\_\_\_\_  
Proposed Course of Study/Major: \_\_\_\_\_  
Expected Degree: \_\_\_\_\_ Expected Graduation Year: \_\_\_\_\_

## **New Applicants Only, please continue:**

6. Please briefly describe how you intend to finance your education: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. Current and Past School Activities: (attach separate sheet or resume if necessary – 1 page only please)\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
8. On a separate sheet of paper, type a short discourse (no more than two pages) describing your enthusiasm and interest in pursuing a career in plastics, as well as how your intended field of study will help you achieve your career goals.
9. Have **two** (and only 2) academic references (instructors or supervisors) provide the committee with a letter documenting their insights on your social qualities, scholastic activities, work habits, and interests. Attach these references to this application.

## **All applications must include a current transcript.**

**All Applicants return application by March 10, 2007 to the following address:**

**Hemant Thakkar  
ARDL, Inc.  
2887 Gilchrist Road,  
Akron, OH-44305**

For questions, please contact Hemant Thakkar, 330-794-6600, or email [hemant\\_thakkar@ardl.com](mailto:hemant_thakkar@ardl.com)



**SOCIETY OF PLASTICS ENGINEERS**

**Announcement and Call For  
Student Posters**

**TPE TOPCON 2007**

*Sponsored By:*

**The SPE Thermoplastic Elastomers SIG and the Akron section of SPE**

**We are looking for student posters on thermoplastic elastomers for the TPE TOPCON 2007. Subject areas are new chemistry, processing or applications for TPEs.**

**If you are a student or a professor who has a student who would like to display a student paper during this poster session, please send contact information to the below by May 1, 2007. Final paper should be sent by June 1. More details will follow on the preparation of the actual posters. We will be awarding the following prizes for submissions after the event:**

**1<sup>st</sup> Place: \$200**

**2<sup>nd</sup> Place: \$100**

**Honorable mentions (3): \$50**

**Dates: September 17-19, 2007**

**Location: Fairlawn, Ohio**

**Reply to: Joe Pfeiffer**

**jepfeiffer@santoprene.com**

**phone 330-849-5097**

**fax 330-849-5589**

## Akron Section Board of Directors

John Woodside 216-533-1324 T  
*Everlight USA, Inc.* 216-741-6883 F  
 President/Chair johnwoodside@ameritech.net

Vivian Malpass 330-342-1120 T  
*Tek-Mark International* 330-342-1134 F  
 President/Chair-elect, vivian.malpass@tek-mark.com  
 VP/Chair, Conf. TOPCON 2007, Program

Dave Schultz 330-798-9300 x86535 T  
*Harwick Standard Dist. Corp.* 330-798-9328 F  
 Secretary schultzd@harwickstandard.com

Gary Taylor 330-336-6621 T  
*Myers Wadsworth* 330-334-7100 F  
 Treasurer gtaylor@po.akro-mils.com

Joe Pfeiffer 330-849-5097 T  
*Advanced Elastomer Systems* 330-849-5589 F  
 Councilor, Newsletter Editor, jepfeiffer@santoprene.com  
 Communications

Lloyd Goettler 330-666-5180 T  
*Retired* goet30@aol.com  
 Past-President

Joe Mattingly 330-929-4213 x1274 T  
*Americhem, Inc.* 330-929-4144 F  
 Prior Past-President/Chair, jmattingly@americhem.com  
 Membership, Newsletter Adv.

Sylvain Seif 330-972-5828 T  
*U Akron Polymer Engineering* 330-258-2339 F  
 Student Chapter President sss14@uakron.edu

Amruth Puttarudraiah 330-630-7107 T  
*A. Schulman* 330-630-3349 F  
 Director, Awards amruth@aschulman.com

Bob Wegelin 330-849-5179 T  
*Advanced Elastomer Systems* 330-849-5589 F  
 Director, Spring Golf, robert.wegelin@santoprene.com  
 Education Foundation

Kevin Malpass 330-490-4743 T  
*Diebold, Inc.* 330-490-4788 F  
 Director malpask@diebold.com

Sadhan Jana 330-972-8293 T  
*U Akron Polymer Engineering* 330-258-2339 F  
 Director, Student Chapter Advisor janas@uakron.edu

Hemant Thakkar 330-794-6600 T  
*ARDL* 330-794-6610 F  
 Director, Education hemant\_thakkar@ardl.com

Cameron Fraser 330-972-6008 T  
*U Akron Polymer Engineering* 330-258-2339 F  
 Director, House cfraser@uakron.edu

Tony Dean 330-929-9916 T  
*Retired* – Director, Public Interest, francis@neo.rr.com  
 Website Master

Josh Wong 330-972-8275 T  
*U Akron Polymer Engineering* 330-972-6027 F  
 Director, Conference TOPCON 2006 swong@uakron.edu

## Contacts at SPE INTERNATIONAL

14 Fairfield Drive  
 P.O. Box 403  
 Brookfield, CT 06804-0403  
 Phone: 203-775-0471 • Fax 203-775-8490

Web: [www.4spe.org](http://www.4spe.org)  
*all phones in area 203 - all e-mail @4spe.org*

NAME / Function	e-mail / phone
Susan Oderwald Executive Director	seoderwald 740-5471
Marie Salzo Executive Assistant	mcsalzo 740-5422
Deborah Daily E-Services Manager	dadaily 740-5468
Laurie McDougal Training and Education Coord.	lamcdougal 740-5432
Jackie Salzo Advertising Sales	jsalzo 740-5411
Tobi Gebauer Senior Manager, Membership	tgebauer 740-5457
Tricia McKnight Liaison, Leadership Serv.-Section Admn.	tmcknight 740-5430
Maria Russo Liaison, Leadership Serv.-Divisions, SIGs, Student, ANTEC Exhibits	mrusso 740-5431
Lesley Kyle Senior Event Manager	lskyle 740-5452
Gail R. Bristol Managing Director, Foundation	grbristol 740-5447
Linda Roos Customer Relations - BookStore	lroos 740-5449
Elizabeth Mitchell Online Technical Program Coordinator	emitchell 740-5472

## Akron Section Board of Directors *Continued*

Kaan Gunes 330-972-5795 T  
*U Akron Polymer Engineering* 330-258-2339 F  
 Director kg23@uakron.edu

Reza Sadeghi 330-630-7107 T  
*A. Schulman* 330-630-3349 F  
 Director reza\_sadeghi@us.aschulman.com

Jenny Digiantonio 330-849-5166 T  
*Advanced Elastomer Systems* 330-849-5589 F  
 Newsletter jldigi@santoprene.com



## 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 330-849-5179 or e-mail at [robert.wegelin@santoprene.com](mailto:robert.wegelin@santoprene.com) with any questions. Thank you for your consideration.

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





# SPE MEMBER BENEFITS GUIDE



FREE TO MEMBERS

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

SAVINGS TO MEMBERS

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

WEBSITE LINKS SUBJECT TO CHANGE - CHECK [WWW.4SPE.ORG](http://WWW.4SPE.ORG) FOR FULL BENEFITS

## **WHY JOIN ?**

*It has never been more important to be a member of your professional society than now, in the current climate of change and volatility in the plastics industry. Now, more than ever, the information you access and the personal networks you create can and will directly impact your future and your career.*

### **Active membership in SPE:**

- **keeps you current**
- **keeps you informed**
- **keeps you connected**

**The question really isn't "why join?" but**

**WHY NOT?**



**Akron Section Society of Plastics Engineers**

Joe Mattingly, Advertising Manager  
330-929-4213, ext. 1274

---

**Insertion Order 2006-07**

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.

Rates are for entire season, September 2006 – Summer 2007. **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 [jmattingly@americhem.com](mailto:jmattingly@americhem.com)**

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

<b>(please X)</b>	<b>Ad Size</b>	<b>Dimensions</b>	<b>Price for year</b>
	Business Card	One column by 2" high	\$200
	Double	One column, 2 to 4" high	\$300
	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**

**Billing Information:**

Company:

Name:

Address:

Phone #:

Fax #:

Email address:

**Mail checks, payable to AKRON SECTION SPE, to:**  
Akron Section SPE  
c/o Joe Mattingly  
SPE – Akron Section  
PO Box 1417  
Akron, OH 44309



# Society of Plastics Engineers

PO Box 403, Brookfield, CT 06804-0403 USA  
Telephone: +1.203.740.5403 Fax: +1.203.775.8490  
www.4spe.org

# MEMBERSHIP APPLICATION

## Applicant Information

**Name:**  
 \_\_\_\_\_  
 first last mi

**Applicant Type:**  
 Member  
 Student (must supply graduation date \_\_\_\_\_)

**Job Title:**  
 \_\_\_\_\_

**Company Name and Business Address (or College):**  
 company/college:  
 \_\_\_\_\_  
 address:  
 \_\_\_\_\_  
 address:  
 \_\_\_\_\_  
 city: state:  
 \_\_\_\_\_  
 zip: country:  
 \_\_\_\_\_

**Work Phone:** ( ) \_\_\_\_\_ **Fax:** ( ) \_\_\_\_\_

**Home Phone:** ( ) \_\_\_\_\_

**Email:** *used for society business only*  
 \_\_\_\_\_

**Home Address:** *(please provide)*  
 address:  
 \_\_\_\_\_  
 address:  
 \_\_\_\_\_  
 city: state:  
 \_\_\_\_\_  
 zip: country:  
 \_\_\_\_\_

**Preferred Mailing Address:**  
 Home  Business

**Job Function:**  
*(choose only one)*  
 Consulting (11)  
 Design (02)  
 Education (08)  
 General Management  
 Library (10)  
 Manufacturing (04)  
 Marketing (07)  
 Purchasing (06)  
 Quality Control (05)  
 R & D (03)  
 Retired (98)  
 Student (09)  
 Tech Support (12)  
 Other (99)

**Gender:**  
 Male  Female

**Birth Date:** (mm/dd/yyyy)  
 \_\_\_\_\_

The SPE Online Membership Directory is included with membership. Your information will automatically be included.

Exclude my email from Online Member Directory

Exclude all my information from Online Member Directory

Exclude my address from all 3rd party mailings

## Payment Information

New Member 1 Year	New Member 2 Years *	Student Member
<input type="checkbox"/> US (\$117.00)	<input type="checkbox"/> US (\$202.00)	<input type="checkbox"/> US (\$26.00)
<input type="checkbox"/> Canada (\$175.50)	<input type="checkbox"/> Canada (\$303.00)	<input type="checkbox"/> Canada (\$39.00)
<input type="checkbox"/> Euro (€143.00)	<input type="checkbox"/> Euro (€249.00)	<input type="checkbox"/> Euro (€27.00)

**Membership Amount** \_\_\_\_\_

**My Primary Division is** (Division names are below) \_\_\_\_\_

**Primary Division** **FREE**

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

<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)

**Additional Division(s)** \_\_\_\_\_

cost for each Additional Division

	<b>1 year</b>	<b>2 years</b>
US	\$6.00	\$12.00
Canada	\$9.00	\$18.00
Euros	€6.00	€12.00

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

CHECK  VISA  AMEX  MASTERCARD

\_\_\_\_\_

card number

**PAYMENT MUST ACCOMPANY APPLICATION**  
**Sorry, No Purchase Orders Accepted**

expiration date (mm/yyyy) \_\_\_\_\_

Checks must be drawn on US or Canadian banks in US or Canadian funds.

Dues include a 1-year subscription to *Plastics Engineering* magazine.  
 SPE membership is valid for twelve months from the month your application is processed.  
 \*save over 10%

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 # \_\_\_\_\_