

Polymer Valley News

The Newsletter of the Akron Section of the Society of Plastics Engineers
Our 45th Year of Education and Service to the Plastics Industry

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Costs, Schedules, Reservations

Member	\$25.00
Member and Guest	\$35.00
Retiree	\$15.00
Student	\$10.00

Registration	5:00 p.m.
Tours begin	5:15 p.m.
Dinner	7:00 to 7:30 p.m.

Call Cathy Herrin before noon, Nov. 11 in order to receive above prices, and specify any dietary restrictions. Travel time between Tour and Dinner has been added to the times above.

(330) 849-5173 T; (330) 849-5589 F
cathy.herrin@santoprene.com

Technical Meeting

Monday, November 15, 2004

Demag Plastics Group

11792 Alameda Drive

Strongville, Ohio 44149-3000

Founded in 1872,
Demag Plastics Group
Corporation started as

Demag Plastics Group

Van Dorn Company, a manufacturer of iron accessories such as wrought iron furniture, mailboxes and jail cells. Demag Plastics Group manufactured its first injection molding machine in the U.S. in 1945. The company quickly became a leader in the manufacturing of injection molding machinery as a result of product innovation, close attention to quality, reliable products and superior customer service.

Headquartered in Strongsville, Ohio, Demag Plastics Group Corp. is the largest manufacturer of injection molding machines in North America with its range covering clamping forces from 28 to 4,400 tons. Also, in terms of the number of machines installed, Demag Plastics Group ranks among the market leaders.

(... continued on page 4)



Coming Up:

- Next meeting – Dec. 13
- Board meeting Nov. 8, 5:30 p.m. at Americhem

Nov., 2004, Page 1



President's Message

Greetings,

This is Joe Pfeiffer, substituting for Joe Mattingly. Joe is busy traveling to the K show and then China, so you get the President's message from Yours Truly.

Thanks to all who attended the luncheon meeting in October at Tangiers. The event was quite well attended at a total of approximately 50 members and guests! We did have a high number of no-shows and this may be because we did not say "Luncheon Meeting" in big letters but only in the fine print. Next time we will put it in big letters. Next meeting is a tour, so we hope to see another fine turnout.

It is the fall season for all of us. Leaf cleaning was nice this year, as it stayed warm and dry. Turkey day is coming, so have some quality time with your family and friends and watch those calories. Only other comment I have is, keep smiling and share the knowledge.

Do you have any suggestions on how we can improve our newsletter or our Section? Send them to Joe Mattingly or any of the board members. We would like to continue to provide high quality SPE programs, meetings, etc., and are always open to suggestions -- so send them in!

Best Wishes,

Joe Pfeiffer, substituting for
Joe Mattingly, President



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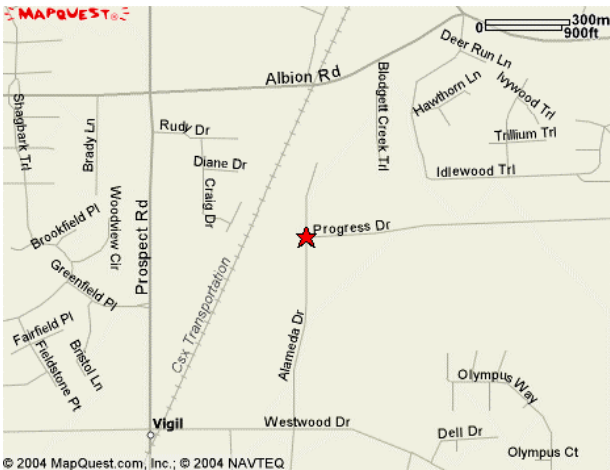
Map to Demag Plastics Group

11792 Alameda Drive
Strongsville, OH 44149-3000
866-491-1045

From Cleveland Hopkins Airport:

Take Rt. 237 South; turn left onto Snow Road; follow signs to I-71 South. From I-71 exit at Pearl Road (Strongsville); turn right going South. From Pearl Road, turn right (west) onto Progress Drive follow Progress Drive to the end; turn right onto Alameda then left into parking lot.

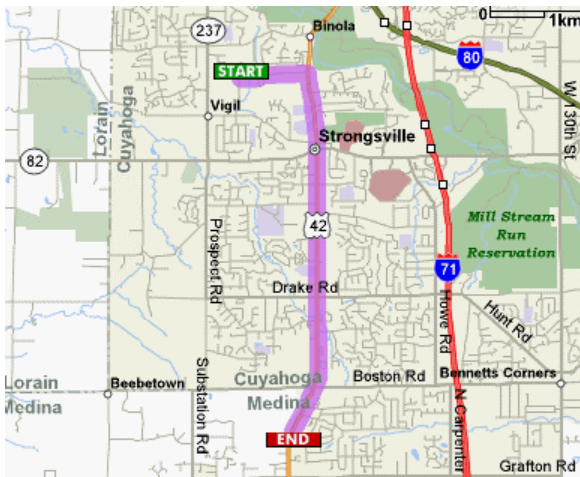
You may zoom in



Directions from Van Dorn Demag to Mapleside Farms Restaurant:



Start out going east on Progress Dr. toward Pearl Rd/US-42 (0.7 miles). Turn right onto Pearl Rd/US-42 (4.1 miles).



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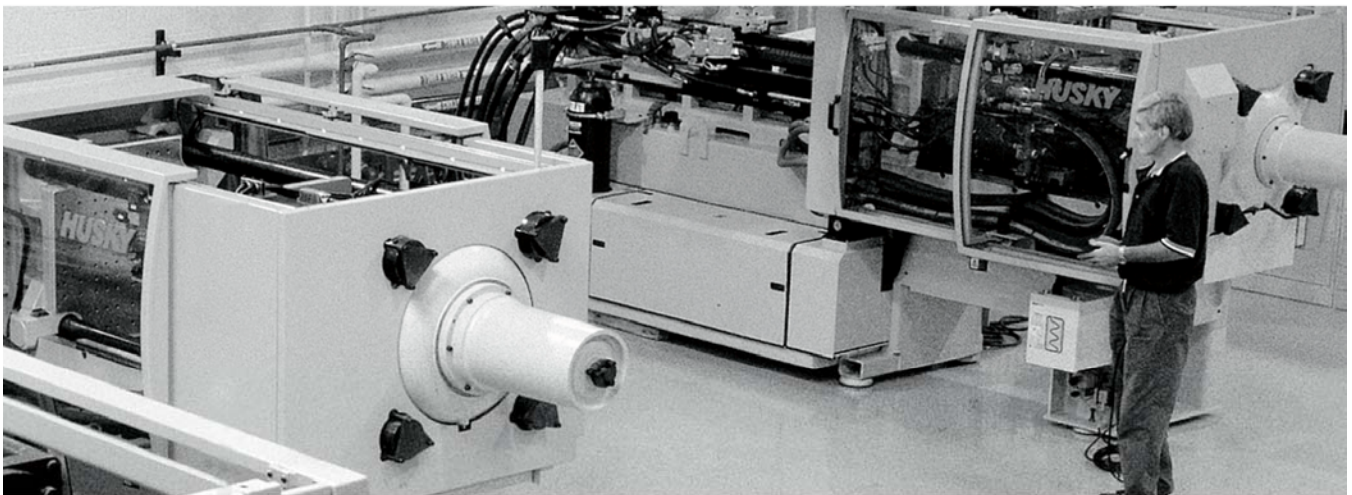
More than 30,000 Van Dorn machines have been sold to date and almost every other US injection molder today has at least one Van Dorn. Aiming to augment this strong market position, Van Dorn has been operating a joint sales and service network in the United States with Demag Ergotech since 2002.

With our experienced after-sales service network, we are able to support customers in a quick and reliable manner. Demag Plastics Group Corp. strives to reach 100% customer satisfaction in all areas from product quality to on-time delivery to after-sales support.

Demag Plastics Group's attention to quality has been recognized in a number of ways, such as attaining ISO 9001 & QS 9000 certifications and becoming the first manufacturer to win the Ohio Award for Excellence - Level 4, Governor's award in 2001. Demag Plastics Group's commitment goes beyond the high quality you will find designed into our presses and parts. There is a complete quality assurance follow-up after you receive your machine, parts or service to ensure it is the highest quality in the industry. It's part of our Continuous Process Improvement / Total Quality Management.

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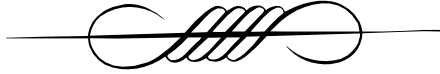
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1962-1963	Dickson L. Stoker, III	1985-1986	Gene Buser
1963-1964	Edward L. Hillier	1986-1987	Harry J. Barth
1964-1965	John R. Russell	1987-1988	Judith A. Fallon
1965-1966	John R. Russell	1988-1989	William E. Tosco
1966-1967	Clyde H. Jones	1989-1990	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

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Programs for 2004 / 2005

Sept. 20	“Novel Impact Modification in a TPO System” Ferro Corp., Dr. Anna Andrews --Tangier Restaurant	Jan. 24	Nanocomposite program Featured speaker, Prof. Josh Wong , who is working in expanded graphite flake reinforcement for plastics -- University of Akron
Oct. 25	“The Changing Global Plastics Marketplace” Michael Day Enterprises Michael Day, President , lunch -- Tangier Restaurant	Feb. 21	Program by Berstorff
Nov. 15	Demag Plastics Group , tour of facility in Strongsville, OH -- Mapleside Farms	March 21	Lockheed Martin
Dec. 13	Social Program – still open -- Hower House, buffet	April 18	Vendor Night / Auction -- Martin Center
		May 23	Awards Banquet -- Martin Center



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 lgoett@uakron.edu or Cameron Fraser at (330) 972-6008 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



Minutes of Board Meeting – Oct. 11, 2004

Call to Order: 5:35 p.m. at Americhem.

Present: Joe Mattingly, David Katz, Tony Dean, Viv Malpass, Bob Wegelin, David Schultz, Zehra Kalkan, Lloyd Goettler, Amruth Puttadriah

Absent - Ron Miller, George Carroll, Bud Seymour, Jerry Robinson, Ernie Anderson, Kathy Perevosnik, Kevin Malpass, Joe Pfeiffer, John Woodside, Gary Taylor

Welcome new Board Member Zehra Kalkan - replacing Johanna Baena as PESO President.

Thanks to Americhem for hosting- Joe Mattingly

NOTE: ACTION ITEMS – IN BOLD

Minutes: September minutes will be circulated as soon as Joe Mattingly can forward to D.Schultz. Gary Taylor handled for D.Schultz in his absence.

Treasurer: No Treasurers report. Gary will be asked to forward a \$500 check to ACCESS re Awards Banquet. Need to send before Oct 29 for banquet set for Nov 4.

Officers, 2004: John Woodside has agreed to be our new VP-Program for 2005/06 year-Thanks John!! **Dr. Viv Malpass will be our Councilor for 2004-05. Thanks Viv!!** Viv will complete the remainder of Ken Kear's term- 2 years.

Board Members are still requested to continue to look for candidates for positions in the future as Committee Members. Need Auction Chair, Fall Golf Chair –05 and Awards Night.

Awards 2004 Update: Joe Pfeiffer is still in process of getting all pictures of Hall of Honor recipients hung at Univ. of Akron.

Student Chapter: Zehra Kalkan informed us that the Student Chapter currently has a newly modified website attached to Polymer Engineering and would like us to add it to our site. **A link will be added soon with Tony Dean's guidance.** The Students are requesting that Industry professionals help with Seminars on Career choices- **D. Schultz to check with Intl.SPE.** They also would like Alumni Speakers, suggested Student Corner in Newsletter, Student ask questions re jobs at Monthly Meetings, Highlight Students and their interests- monthly, Special Student badges **BOARD Members are Welcome and encouraged to attend PESO activities!**

Newsletter: If you have anything for newsletter be sure to forward to Joe Pfeiffer or Jenny Digiantonio by October 22: Presidents message, program list, board list, last year's ads, and a NEW Consultant's Corner- Technical Articles, Technical advice –SUGGESTIONS are encouraged.

Membership: Joe reports via Bob Wegelin that current membership is 403. We are starting to climb with economic conditions improving.

Councilor's report: Viv attended Cleveland Council Meeting- Oct 9, 200 and reports that Budget did pass-it is not clear whether Sections will get rebates from 2004, planning in place to restructure rebate system. There has been a small increase in Membership need to **PROMOTE AIM- Viv to get all details.**

TPE TOPCON 2005: Dates are set for next year - Sept 12-14. Ed Tam-Teknor will be representative from TPE-SIG working with Viv Malpass. Next Meeting Oct 13, 5:15 pm Hilton.



Minutes of Board Meeting – Oct. 11, 2004 (cont.)

Education Committee: Kathy also reports that we still need to get together the Committee to create proposal for Husky Award next year- Need Volunteers-- contact Kathy. Several ideas were noted as possible subjects to build a project around including: ACCESS new schools-PR, Local Business support of Scholarship- more PR, PR article- Beacon Journal.

Contact has been made with Aaron Kaffen re website modification- Tony Dean to get with Polysort to see how they can help.

Education Foundation: Kevin to check status of all contributors including Gen Corp. We replaced past Education Foundation Members Gerry Whitnable and John Lesnewski with Amruth and Ron Miller. Kevin plans to bring on 5 new Sponsors. ACTION: Need format ideas as to how to inform Members of those companies that do contribute. Testimonial letters, Poster board etc .

Website: Tony Dean reports website is set for new year and all bills are paid. Tony to check with Polysort re cost for additional hot links on website. Tony has added New Officers and Program- Lloyd has forwarded finalized / modified Program to Tony Dean.

Program: Program has been finalized for 2004-05 year. Lloyd finalized dates- during Board Meeting changed Van Dorn Demag- Nov 15 NOT 8, Feb meeting will have to be Feb 21 not 28 due to conflict at Berstorff. Cameron has confirmed Lockheed Martin for March 21- No tour. Lloyd feels program needs to be very broad to attract a large audience, like new technology areas.

CONFIRM that all Sections surrounding Akron- Cleveland and Firelands have SAME dates. Suggest linking to speaker and tour companies on our website to increase attendance.

House: David Katz reports October, November and December meetings are set- Tangiers –Lunch, November- Mapleside and December- Hower House with Entertainment- Lloyd and Cameron to check Univ of Akron, Miller South School- Spouses are Welcome.

Fall Golf: No Golf for 2004.

Spring Golf: David Katz and or Bud Seymour will probably continue to handle - Need to confirm. Date set May 13, 2005 at Barberton Brookside.

Board suggests that Auction format in the past is much more meaningful and is CRITICAL to continue. Joe Mattingly to contact Ron Miller re Auction Chair.

Old Business: Firelands merger with Akron per Bob Wegelin will not continue per Dennis Meade. Bob Charvat- Firelands -Councilor placed to call to DR Schultz discuss, Dave to return call and get details.

Treasurer: Tax form problem still being investigated.

New Business: ACCESS Meeting- Awards Night Nov 4, David Katz, Bob Wegelin and David Schultz plan to attend. Motion made Bob Wegelin and seconded by David Katz to provide check from SPE-Akron as Donation for upcoming Awards Banquet.



Minutes of Board Meeting – Oct. 11, 2004 (cont.)

New Business: ACESS Meeting- Awards Night Nov 4, David Katz, Bob Wegelin and David Schultz plan to attend. Motion made Bob Wegelin and seconded by David Katz to provide check from SPE-Akron as Donation for upcoming Awards Banquet.

Past Presidents Committee: Bob Wegelin is planning a meeting at the Waterloo Restaurant Oct 28, Bob to invite all 12 Past Presidents.

•David Schultz had previously informed the Board that the Akron and Northeast Ohio Rubber groups will merge - that has taken place – Jan 2005 starts the new Group that will be called Ohio Rubber and Plastics Group. **NEED ideas on how we can both prosper by the move.**

•Cameron Fraser reports Univ.of Akron that Sponsor Day is Oct. 14 and Alumni Day- Oct 15.

•**Bob Wegelin is looking into details /history of Twin Section United Kingdom**

Joe Pfeiffer (??) moved and Tony Dean seconded the motion to adjourn. Meeting adjourned at 7:15 p.m.

Continue to think of potential new board members and Committee Members for 2004-2005. Next board meeting on Nov. 8 ,2004 at Americhem 5:30 p.m..

Membership Report – Oct., 2004

Akron SPE, Section S42

Activity for August

Current total is **403** paid members.

4 New members, will send welcome emails and invite them to attend next technical meeting as our guest.

One transfer in and one out.

5 members renewed.

New Members

- John Davidsaver, Formtech Enterprises
- Mike Hutira, Return Polymers
- John Scott, Nexpak
- Tim Shamrock, Standex Engraving

Membership News from National

- For third month in a row, the number of total members was greater than previous month.
- Ahead of last year by over 250 members.
- E-mail was sent to lapsed members in September and will be followed by two direct mail and email in October.
- Reprint on an article by Norman Lee, Honored Fellow Emeritus member on why one should become a SPE member. Article is available for sharing with perspective members and others. Will put in the November newsletter.
- AIM, 76 of 211 have joined! Conversion rate of 36% is excellent.





Membership Matters

October 2004

Attachment 3

Why, Oh Why, Be an SPE Member?

As a member of the Plastics Environmental Division and SPE, we are in the best position to recruit new members, but often fail to do so because we do not consciously promote the reasons we belong.



The following are a list of reasons to memorize and keep in the back of your mind, so that when the opportunity arises, be it someone who comes to your company or office, at lunch with clients or vendors, or a social occasion, you will be able to bring forth and espouse why you are a member of SPE:

1. You can't know everything, but you can know someone who has the answer.
 - This comes from contacts made at SPE Meetings, conferences and seminars etc.
2. Keep up with what's happening engineering wise: latest technology, who is doing what and how.
 - In today's fast moving world, the internet, while a great resource, does not replace a face-to-face contact. You had better keep up or else!
3. New ideas and inspiration from talking with others.
 - As a plastics professional, whether you are in production, tooling, design, machinery, or resin, you can dry up, and need inspiration from time to time.

All the foregoing requires effort, time and energy, but it pays off in our competitive environment.

Many do not have company support with dues, which is often the reason for dropping or not joining SPE. Keeping the cost of dues in perspective: a couple going out for dinner at night can spend more money than the dues. Source materials bought, at member rate, can justify the cost of dues.

It may be that one has to give up something on the short term to gain in the long run. Those of us who have experienced this truth can testify that it was worth it.

TELL SOMEONE ABOUT IT.

Norman Lee, Prior Chair, Plastics Environmental Division

SPE MEMBER BENEFITS GUIDE



FREE TO MEMBERS

	BENEFIT	DESCRIPTION	WEBSITE LINK
NETWORKING RESOURCES	Business Networking Resources	Connect to industry experts	www.plasticcircle.com
	Local Section Affiliation	Network with members locally in over 75 countries	www.4spe.org/sectionsdivisions.htm
	Online Membership Directory	Unlimited access provides the link to fellow members	http://members.4spe.org
	Technical Affiliation	22 Divisions represent major industry specialties	www.4spe.org/sectionsdivisions.htm
MEDIA RESOURCES	e-Bulletins	Offering Society news & information	www.4spe.org
	Newsletters	News & events about specific local & technical affiliations	www.4spe.org/sectionsdivisions.htm
	<i>Plastics Engineering (PE)</i>	The official monthly publication of SPE	www.4spe.org/periodicals.htm
	SPE Online	Your 24/7 source for Society information	www.4spe.org
TECHNICAL RESOURCES	Conference Proceedings	Searchable online database of technical sessions	http://members.4spe.org
	Message Forums	Online question & answer forum	www.askpip.com
	Special Interest Groups	Emerging areas not currently covered by technical Divisions	www.4spe.org/sectionsdivisions.htm
	Technical Journal Database	Read abstracts from our three technical journals	www.4plasticsresearch.org
CAREER RESOURCES	Awards	Outstanding contributions recognized	www.4spe.org/myspe/awards/awards.htm
	Leadership Development	The opportunity to improve professionally & personally	www.4spe.org/sectionsdivisions/ld/ld.htm
	Online Career Development	Career enrichment, job openings & resume database	www.4careersolutions.org
	Professional Recognition	Distinguished grades of membership recognize accomplishments	www.4spe.org/myspe/grades.htm
	Scholarships & Grants	Awarded by The SPE Foundation	www.4spe.org/grantsscholarships.htm
	Student Benefits	100 Student Chapters in nine countries	www.4spe.org/myspe/students/stu.htm
	Unemployment Services	Benefits for the unemployed member	www.4careersolutions.org

SAVINGS TO MEMBERS

	BENEFIT	DESCRIPTION	WEBSITE LINK
TRAINING RESOURCES	ANTEC	Largest annual technical conference in the industry	www.antec.ws
	Career Coaching	For-a-fee services for longer-term career enhancement	www.4careersolutions.org
	e-Learning Center	Online self-paced courses, live & archived presentations	www.4spe.org/trainingeducation.htm
	In-plant Training	Seminar instruction at member's company	www.4spe.org/conferenceseminar.htm
	Seminars	Expert instruction on current plastics topics	www.4spe.org/conferenceseminar.htm
	Technical Journals	Subscribe to peer-reviewed articles. Available online and in print	www.4spe.org/periodicals.htm
	Topical Conferences	Targeted at specific technical & management disciplines	www.4spe.org/conferenceseminar.htm
	Training Products	Developed by SPE & other leading providers. Some Spanish titles	www.4spe.org/trainingeducation.htm
ADDITIONAL RESOURCES	Career Transition Services	Outplacement program offered to member's company	www.4careersolutions.org
	Group Health Insurance	Health, disability & life insurance at attractive group rates	www.4spe.org/joinspe/discprog.htm
	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/bookstore.htm
	SPE/MBNA Credit Card	SPE Platinum Plus Mastercard® (US & Canada only)	www.4spe.org/joinspe/discprog.htm

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 Board of Directors

Joe Mattingly <i>Americhem</i> President	330-929-4213 x274 T 330-929-4144 F jmattingly@americhem.com
Lloyd Goettler <i>U Akron Polymer Engineering</i> President Elect / Prog. Chair	330-972-7467 T 330-258-2339 F lagoett@uakron.edu
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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.

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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 with any questions. Thank you for your consideration.

Sincerely,
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