

Polymer Valley News

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

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Costs, Schedules, Reservations

| | |
|-----------------------------------|---------|
| All attendees | \$20.00 |
| Attendee plus guest/spouse | \$30.00 |
| Students – covered by Akron Univ. | |

Dinner 6:30 p.m.

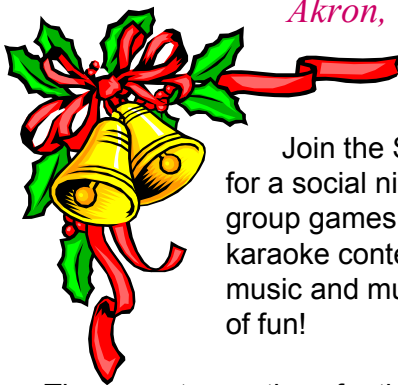


Holiday Gathering

December 15, 2005
6:30 p.m.

Student Union – Ballroom A

303 Carroll Street
Akron, Ohio 44325



Join the SPE Akron Section Student Chapter for a social night. A formal dinner followed by group games, cultural demonstrations, a karaoke contest, dancing to international music and much more... Join us for this night of fun!

There are two options for the entree:

1. Lemon Chicken with a lemon butter sauce
2. Vegetable Napoleon (Vegetarian Dish)

Either is served with house salad with choice of dressing, redskin potatoes or rice pilaf, vegetable, bread and butter, beverage and dessert (chocolate cake). Coffee, tea, iced tea and water will be included.

Reservation is required to attend. Contact Kaan Gunes by December 9 (Friday) and specify dietary restrictions - phone: (240) 643 0184 kg23@uakron.edu

Coming Up:

- Next meeting – January 23, 2006
- Board meeting – Dec. 12, 2005, Akron Univ. Polymer Eng. Center or Americhem

Dec., 2005, Page 1



President's Message

Fellow Members,

There is much talk about new technology being the key to rejuvenation of the plastics industry in northeastern Ohio. Our Akron Section tries to bring new plastics materials and processing technologies to our membership at our monthly Section meetings. But where are the members? They are certainly not attending these presentations. It makes one wonder whether our industry is really serious about seeking out new opportunities for growth, or just wanting to rationalize our current predicament.



Last month we had an interesting presentation by Prof. Darrell Reneker of the Institute of Polymer Science at The University of Akron on the subject of electrospinning of nanofibers and their applications in various markets, including medical products. Prof. Reneker, a renowned authority in this field, likened electrospinning to the twin screw extrusion of the future, due to its wide applicability to the processing of polymers for many of the new leading edge technologies. Judging from the size of the audience, there is little interest amongst our membership in such forward-looking product and process development. Can that possibly be correct? Or is the Section just not communicating the value of our programs effectively?

We on the Board of Directors want to meet your needs. What are the impediments you face in positioning your companies to utilize new technologies. How can the SPE help? How can we best serve you?

If you are reading this and have a viewpoint, please respond to me at lagoett@uakron.edu

Lloyd Goettler
President, Akron Section



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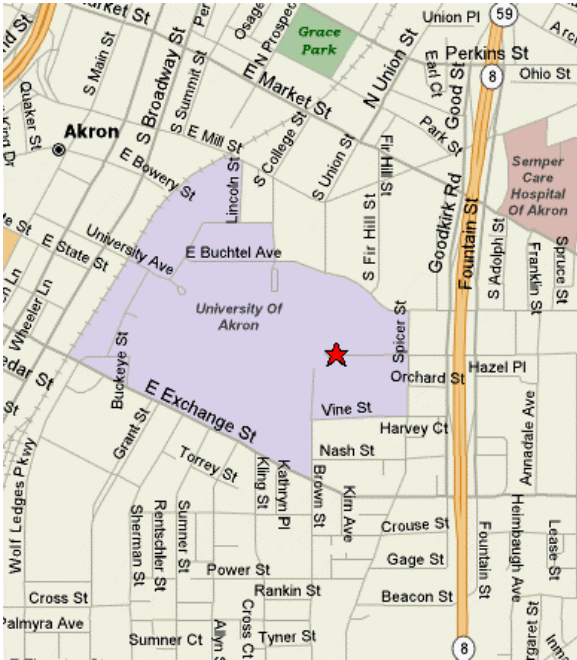
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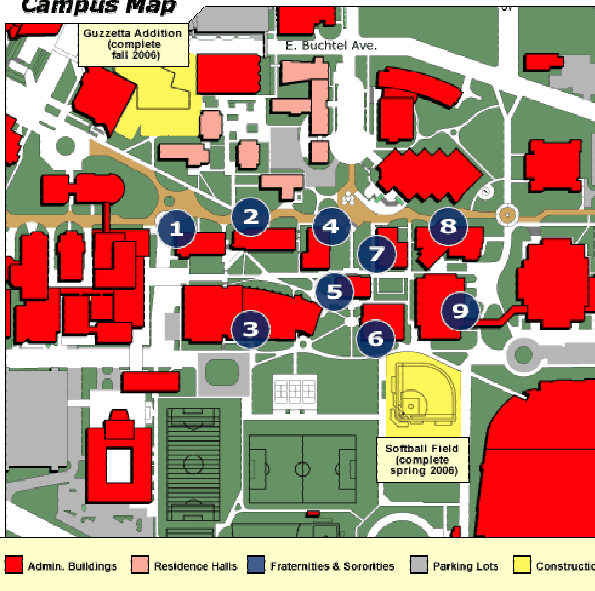
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**Map to Student Union
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Campus Map



#3 on map above - You may zoom in.



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Membership Report – October, 2005

Akron had 7 new members in October. This puts our total membership up to **414!** See list for new members.

We also had 2 transfers out

Nine members also renewed in October, thank you.

Membership News from National

- Total membership is at 19,539, up 22 members from last year.
- Recruitment letters were sent to 85,000 prospects and suspended members at the end of October. E mail reminders will be sent in the coming weeks to supplement the direct mail efforts.
- AIM is at a 22% conversion rate which is still much better than other methods. See the AIM web page for details, <http://www.4spe.org/communities/1d/aim.php>.
- January, 2006 has been designated as National Mentoring Month in the United States. Mentoring can be used to help new members get the most out of their SPE membership. Is there anyone out there who would like to champion this for our Akron section? Please contact me directly at jepfeiffer@santoprene.com. Also, for information on National Mentoring Month visit www.mentoring.org.

Membership chair, Joe Pfeiffer,
Santoprene Specialty Products

New Members

New Members Welcome! All new members are invited to our next meeting free. Just show up with a copy of this printed article with your name on it and you get in free!

Say “hello and thanks for joining” if you know the following people.

Jack F. Bailey, Jr.
Perfection Mold & Machine
Robert W. Gallagher
Excellent Plastics, Inc.
John D. Kraus
Carlisle Engineered Products
Darrell Laney, Kent, Ohio
Charles R. Parsons,
Akron Global Polymer Academy
Sylvain S. Self, Akron, Ohio
Martin L. Sentmanat
Senkhar Technologies, Inc.



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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 4th 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. Thank you for your thoughts and ideas.



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 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



Programs for 2005 / 2006

| | | | |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------|
| Sept. 12-14 | Thermoplastic Elastomers TOPCON -- Hilton Fairlawn | Feb. 27 | Diamond Plant Tour Dinner Meeting -- Guy's |
| Oct. 17 | JSW "Twin Screw New Technology" Lunch Meeting -- Tangier | 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 -- Tangier | | 3 to 6 papers on UV and light stabilizers, A.O., color stabilization and process aids Afternoon Meeting -- Guy's |
| Dec. 15 | Student Union -- Univ. Of Akron | Apr. 24 | Master Precision Molding "MUDD" Dinner Meeting -- Martin Center |
| 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 -- Martin Center |




Akron Polymer Training Center

Provides training classes for plastic and rubber processors taught by University of Akron faculty and industry professionals. Visit our website at www2.uakron.edu/aptc for a complete list of our current course offerings.

Customized Development and Delivery

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

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



Advertiser Index

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Akron Section SPE Past Presidents

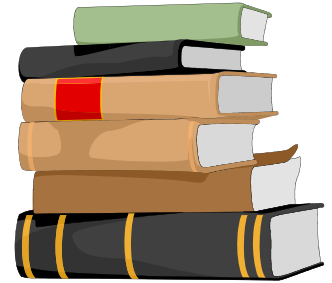
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| 1963-1964 | Edward L. Hillier | 1986-1987 | Harry J. Barth |
| 1964-1965 | John R. Russell | 1987-1988 | Judith A. Fallon |
| 1965-1966 | John R. Russell | 1988-1989 | William E. Tosco |
| 1966-1967 | Clyde H. Jones | 1989-1990 | Robert Wegelin |
| 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 |



The Akron Section of Society of Plastics Engineers (SPE)

Education Committee



Announces:

2006 Essay Contest

First prize: \$100

Second prize: \$50

Sponsoring teacher: \$50

Entries due January 14, 2006

Contacts below or www.akronspe.org for forms and rules

2006 Scholarship Contest

From \$250 – 3000 awarded per student annually

For undergraduate students interested in polymer/plastics careers

Entries due March 1, 2006

Contacts below or www.akronspe.org for forms and rules

For more information contact:

Kathy Perevosnik 330-849-5119 kaperevosnik@santoprene.com

Hemant Thakkar 330-794-6600 hemant_thakkar@ardl.com

Kevin Malpass 330-666-5226 Kevin.Malpass@ge.com

Pankaj Rathi 330-990-7799 pankajr@gmail.com



Councilor's Corner

There are two main items to follow up on.

The first is that the Special Business Meeting to vote on the dissolution of the SPE Constitution is set for January 21 at the Council Meeting in Albuquerque, NM. A positive vote will allow us to send this motion out to the entire SPE membership worldwide for an all-member vote as required by the present constitution. Fifty voting members must be in attendance or have proxies present to hold this special meeting as a majority of council members must be present. **Please take the time to send your vote in to approve the dissolution of the SPE Constitution.** Also at this meeting we will have the second reading and a vote on the revised ByLaws of the Society as presented at the Milwaukee Council meeting. This vote will allow immediate implementation of the revised ByLaws when and if the Constitution is dissolved by the general membership.

The second item to report on is the meeting on November 29 between representatives of the BODs of the Akron, Pittsburgh, Cleveland and Central Ohio Sections. This meeting was held at the Avalon Inn in Warren, Ohio to share the steps taken to reinvigorate the Pittsburgh Section, to share the Akron and Cleveland Section experiences of running a number of TOPCONs and to look for other areas where we can work together for general benefit of all our sections. The meeting was very successful. Information shared will be used to help the Pittsburgh Section hold a TOPCON next year and hopefully to reestablish the Central Ohio Section. **Thanks to all those that attended for their very helpful inputs.** We all agreed that we should hold these joint meetings about once a year and that we would continue to share meeting announcements and any other pertinent information and look for joint activities.

If you have any questions or suggestions please contact me at tekmark@worldnet.att.com or phone 330-342-1120.

Have a very Merry Christmas!!!

Viv Malpass



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Minutes of Board Meeting – November 14, 2005

Call to Order: 5:34 PM at Akron University Polymer Engineering Center.

Present: Lloyd Goettler, Tony Dean , Kaan Gunes, Dave Schultz, Vivian Malpass, Joe Mattingly, Hemant Thakkar, Josh Wong ,Gary Taylor, Dave Katz

Absent - Amruth Puttarudraiah, Kevin Malpass, Bob Wegelin, Rishi Kumar, Joe Pfeiffer, Sadhan Jana, Cameron Fraser, John Woodside

Note: OLD Business now has past Action Items

Minutes: October minutes were amended for oversights of past business, MUD replaces MUDD-Master Unit Dies noted should be changed on Website. Approved.

President: Lloyd reported that Open House- Sponsor's Day and Hall of Fame Induction went well at Univ. of Akron- Polymer Engineering- Oct 27 and 28, plan to have yearly or every other year in future. Need to have more local representation and PR from SPE and Polymer Processing Society. Lloyd mentioned for Cameron a concern: Rubber Div and TPE SIG (Special Interest Group) plan TPE Meeting Akron -May 2006 plus ANTEC 2006- 2 sessions TPE, too.

Treasurer: Gary gave his report. Noted TOPCON great success and added substantial amount to balance for 2005, budgeted money based on the balance to Education Foundation. Taxes have been filed.

Officers, 2005: Nothing noted.

Awards 2005 Update: Lloyd reported for Cameron that John Woodside has handled application for Pinnacle. Confirm that Joe has entered Newsletter contest , Husky- Confirmed that Hemant Thakkar in process, Stretch- Student Chapter- Kaan Gunes confirmed in process. We have nominated Tony Dean for Honored Service Member. Tony to complete the new 2005 Section 2 per National request and forward to Tricia.

Student Chapter: Kaan Gunes reported they have planned a Bowling Outing at Student Center U. of Akron Nov 17. Career Building Seminar set for Nov 28 with Jim Scobbo-GE. The Holiday Party is set for Student Union December 15, 2005, dinner -- David Katz has agreed to help, like to have Board Members and Section Members present. Activities concluded: Plant Tour to Sare Plastics-Nov 2., Resume Book completed 20 copies given out Sponsor's Day.

Newsletter: Joe Pfeiffer not present: (1) All to supply Joe Pfeiffer with newsletter items by Nov 28. (2) Joe to contact TPE TOPCON 2005 authors for short Technical article.

Membership: Joe reports that we have around 400 members for October.

Councilor's Report: Vivian plans to attend the Councilor's Meeting in Albuquerque, NM January 06 main item: 1-Vote on replacing existing Constitution with By Laws, create Policy Manual. ANTEC 2006 is in Charlotte, NC. Also NPE- June 2006- Chicago.

TPE TOPCON 2005: Plan to send wrap-up report to Committee plus Lloyd Goettler, Joe Mattingly and Josh Wong for additional input plus to help in Display Tech TOPCON 2006.



Minutes of Board Meeting – November 14, 2005 (cont.)

Education Committee: Hemant reported that: Essay contest sent to all Schools in 7 county area. All information at Website too. Plan to reach out to Local High and Middle Schools , Student Chapter offered to help. Husky Award needs to be worked on many ideas suggested by Board.

Education Foundation: No report. Need to confirm Omnova's contribution for future. Goal is to get five new companies to donate at least \$2,000 per year. Suggested to contact Bridgestone / Firestone Charities since they will now host World Series of Golf for 2006 for Donation to Education Foundation- Need to confirm WSOG as potential. Joe Mattingly to help as NEW Member. Need to confirm that taxes have been filed for 2005- Nov 15.

Advertising: We currently have about 11 ads running; more are needed. Joe collected money from subscribers with 2 remaining to collect. Action Item: Joe Mattingly to resend rate page to BOD members.

Website: Tony Dean reported that all is set at web working with Polysort plan to add other sites and links reciprocal with other organizations.

Program: Lloyd for(John Woodside) John attending Clev.Section Meeting
Comments were: Program set for Nov 21- Lunch Tangiers need to get other Societies ACCESS, ACS contacted. Mini-Tech set for March 27, 2006 at Guy's. Details about Program in process-plan to invite Pittsburgh SPE Section and Ohio Rubber and Plastics Group- Topic Additives for Plastics, TPE and Rubber Plan Meeting Time 1:00 PM until 7:00PM , 7-8 papers, Dinner Cost may be more than typical Meeting. Topic: Additives for Rubber/Thermoplastic Elastomers /Plastics. Broad Overview-Rubber Byron To-Flexsys- John Woodside requested contact info. Thermoplastic Elastomers- C. Rader- Invited by Lloyd and Plastics- Cathy Hanlin -Americhem to be Invited by John Woodside.

NOTE All Tentative- Await John Woodside comments/suggestions

UV Stabilization for Rubber/Plastic and TPE- Everlight- John Woodside- Confirmed

Ceramic Fillers- CERCO- Jim Jaskowiak- Confirmed

Color- Bob Charvat- Confirmed

Specialty type Blending for Profit- Process Controls -TomWorcester--Confirm

Nano MBS- PolyOne- Ashok Adur contacted per Lloyd to confirm

John suggested that Reminder Wallet Schedule would be Good for 2005-06 Year- Contact Bob Wegelin for details and possible preparation

Action Item: Lloyd- PolyOne, C.Rader or John- Flexsys, Americhem calls to confirm. April 24- MUD- Cleveland would like to attend- per Gary Casterline and Jeff Dinger.

House: Meetings are set for following Locations --- Tangiers- Lunch-Nov 21 and - Student Union- Univ. Of Akron- Dec 15-Student Chapter. David Katz to confirm location for Plant Tour Polymer Exchange- John Woodside- Jan 23, Guy's-Diamond Plant Tour- Feb 27, Guy's- Mini- Tech- March 27, Martin Center-MUD- April 24 and Martin Center-Awards- May 22.

Fall Golf: Nothing to report.

Spring Golf: Nothing to report.

Past President's Committee: Joe will get together with Bob Wegelin regarding plans for committee. Original plan to run a meeting for 2005-06.



Minutes of Board Meeting – November 14, 2005 (cont.)

ACCESS: Lloyd plans to attend Nov 17 meeting.

Old Business: Nothing to report.

New Business: TOPCON TPE 2007-Viv reports that we are set in Akron for Sept 2007. Committee in place very similar to 2005. Details to follow.

Plastics Projects at Website- Tony Dean reports that Polysort says the Domain will expire Nov 19, 2005 at Register.com.

DRS contacted Sharon Kaffen and Aaron Kaffen designer - he suggests- let expire and pick it up Monday - Tuesday Nov 21 or 22. Polysort will re-register and handle. Now need to add more Projects. Cost to register \$70 for two years.

New TOPCON: Josh Wong reported in process of making contact Sponsors and Exhibitors- suggested to look into Thomas Register/Directory Need help in logistics- Hotel, Meals, etc. Sponsorship- Exhibits and Publicity- Kevin Malpass has agreed to Guide on Sponsors and Exhibits. Plan to contact Bill Greenstreet for Brochure and CD suggestions/help. Plan to contact Kent State for help and contact.

Mentoring: PITTSBURGH Section has asked for a Special Meeting plant to Invite Central –Ohio. too- Lloyd to Invite Central Ohio. Topics include:

TOPCON- How to organize and run- Viv Malpass- suggested inviting Josh Wong

Pittsburgh- Panorama for Success- Dick Cameron

OTHER KEY topics re Organization of a SUCCESSFUL Section.

Date set for Nov 29 at 12:00 Noon at Avalon CC--Youngstown Board Members URGED to attend!!!

Lloyd Goettler, Viv Malpass, David Schultz and Tony Dean plan to attend.

New Board Members- Lloyd/BOARD to contact - potential members for VP - 2005-06 year and other positions.

Directors and Officers Insurance: Cameron Fraser reviewed and filled out questionnaire and will re-address issues to determine if needed by Akron Section.

The next board meeting will be Dec 12, 2005 at the Akron Univ. Polymer or Americhem
Lloyd to inform Board. Adjourned 8:15 PM



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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:

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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 with any questions. Thank you for your consideration.

Sincerely,
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**Department of Chemical Engineering, University of Texas, Austin, CPE 4.422, C0400,
Austin, TX 78712**

Tel: 512-471-6300, Fax: 512-471-7060, Email: lloo@che.utexas.edu

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