

Polymer Valley News

The Newsletter of the Akron Section of the Society of Plastics Engineers
Our 47th Year of Education and Service to the Plastics Industry

Newsletter Contents

Meeting Announcement	1
Meeting Schedule, Cost	1
President's Message	2
Meeting Location Map	3
Speaker Biography	4
Membership Report, 02/06	5
Antec 2006 plenary programs	6
Programs for 2005/2006	7
Advertiser Index	8
Akron SPE Past Presidents	8
News from Student Chapter	9
Spring Golf Outing	10
Golf Hole Sponsorship form	11
Joint Societies Meeting, 04/27	12
Minutes of 03/13 Board Mtg.	13
Akron Section Board Members	16
SPE International Contacts	16
SPE Educational Foundation	17
Member Benefits Guide	18
Insertion Order form – 2005/06	20
SPE Membership Application	21

Costs, Schedules, Reservations

Member	\$25.00
Member and One Guest	\$40.00
Retiree	\$15.00
Student	\$10.00

Social Hour	5:30 p.m.
Dinner and program	6:30 p.m.

Call Cathy Herrin before noon, Apr. 20 and specify dietary restrictions.

(330) 849-5287 T; (330) 849-5594 F
cathy.herrin@santoprene.com

Technical Meeting

April 24, 2006

5:30 p.m.

Guy's Party Center

500 East Waterloo Road

Akron, Ohio 44319



By Michael Kreitner, Sales Specialist for North America

MUD - Master Unit Die is a leader in the manufacture and distribution of Quick-Change™ Molding Systems for the plastics industry. The remarkable flexibility of these Quick-Change Molding Systems makes them perfect for the high demands of the ever-changing plastics industry in today's lean manufacturing market place.

This presentation will explain the Master Unit Die concept to Quick-Change. The concept was developed to meet the parallel challenges of increasing productivity and decreasing cost. The tooling approach to injection molding offers mold makers and plastic manufacturers a number of competitive advantages. These include lower tooling cost and faster production changeovers. The remarkable flexibility this approach offers makes it ideal for just in time scheduling and lean manufacturing requirements.

See page 4 for Mr. Kreitner's biography

- Next meetings – May 19 for golf and May 22 for Awards Banquet
- Board meeting – Apr. 10, 2006, Akron Univ. Polymer Eng. Center

Apr., 2006, Page 1



Coming Up:

President's Message

My Dear Fellow Members,

It is pleasurable to be again telling you of a successful program conducted by your SPE Akron Section – the MiniTech on Additives for Polymers held March 27 at Guy's Party Center. We had a good member turnout combined with visitors from the Cleveland, Firelands and Pittsburgh SPE Sections, along with some from the Akron Rubber and Plastics Group. It is heartwarming to see growing interaction between these professional organizations.

The seven excellent technical presentations at the MiniTech covered a gamut of applications in all three polymer arenas – plastics, rubber and that in-between ground, thermoplastic elastomers. These talks were high in information content, and I would like to highlight some of the salient points. Let me begin by noting some changes from the printed program. The overview paper on plastic additives, which dealt exclusively with flame retardants, was presented jointly by Cathy Hanlin and Bob Bernardino of Americhem. Fred Ignatz-Hoover subbed for Byron To, both from Flexsys America, in giving the rubber additives presentation. Finally, Vince Zabrocki made the presentation from PolyOne on nanocomposites prepared from concentrates. Our thanks go out to all of the authors, also including Charles Rader (retired from Advanced Elastomer Systems), John Woodside (our Program Chair and President-elect, from Everlight USA), Bob Charvat (consultant) and Jim Jaskowiak of CERCO. Without your dedications of time and effort, there would not have been so great a program.

The program comprised an excellent review of additive technologies for all polymer types, starting with overviews of the plastics, rubber and TPE applications. A more direct focus was given to FR, UV stabilizers, colorants, ceramics and nanocomposite concentrates.

To sum it up, we learned, or were reminded, that additives represent a very broad technology that is vital in some applications, but less critical to others. In all cases, they must meet a need and be cost effective. Unless or until they are so, their use will probably be restricted to niche applications. Sometimes it is even better to keep components separated rather than blended, as in co-molded or over-molded parts, especially perhaps when one is an altogether different type of material, such as a ceramic.

As usual, the informal interactions over food and drink strongly complemented the technical presentations.

It was also announced at the meeting that our Akron Section has won not one, not two, not three, but four awards, to be presented at ANTEC. These are, by name, the STAR and PINNACLE awards for section performance, the STRETCH award for our Student Chapter's high achievement over the past year and the special CHASE award for an educational project proposed by the Student Chapter. Congratulations to Student Chapter president Kaan Gunes and all of the participating students at The University of Akron.

Till next month,

Lloyd Goettler
President, Akron Section



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, Baberton)

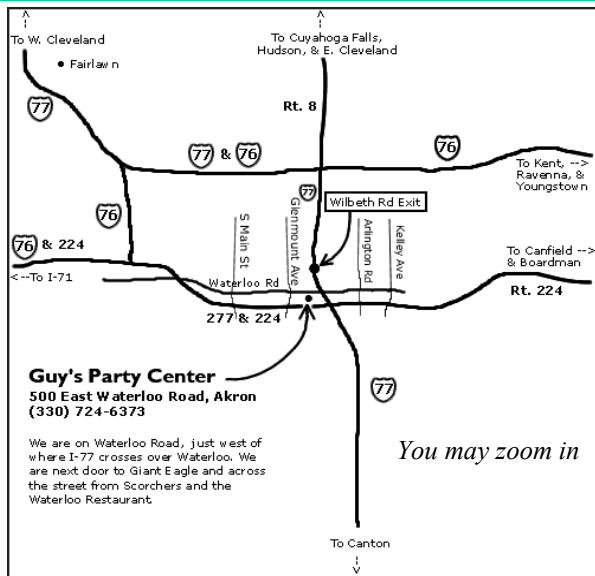
Take 76/224 east until it turns into only St. Rt. 224. Follow St. Rt. 224 east to the Main Street exit. Turn left onto Main at the end of the exit ramp. Turn right at first major intersection -- Waterloo. Guy's is about a mile up on the right, just past Giant Eagle and across the street from Scorchers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



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Mr. Michael Kreitner, Biography of Speaker

Michael Kreitner is a graduate of Ferris State University in Tooling Technology. Michael has been employed with D-M-E Company / MUD - Master Unit Die since 1989 through private and public ownership.

Michael started at as a detailer and has moved up to over seeing the day to day operations of the design/engineering department. Along the way, he has been involved in the conception of new products, numinous special projects, and led the MUD customer service department as a Customer Relations Manager.

Michael is currently the MUD – Master Unit Die Sales Specialist for North America (with Global Assistance) which entails leading and supporting the MUD Product line for D-M-E Company in the North American market place.



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Membership Report – February, 2006

- Akron had 8 new members join in February. Our membership number has now increased to 418! See list for new members. We also had 4 transfers in and 2 out.
- Eight members also renewed in January, thank you.

Membership News from National

- National news, total membership is at 19,806. Variance from 2005 is (727).
- Membership dues increase, but only \$3 to 115 on an annual basis. Still a good deal considering all you can get with your SPE membership. Renew early and save \$5 on the dues. Also if you renew online before the deadline you can save an additional \$3. So, renew early and online and you can save some. I always do so with my Antec registration, which is early enough to qualify for each!
- Do not forget **Antec**. It is a great annual event and a way to expand your plastics knowledge horizons. It is in Charlotte this year during the week of May 8-10. If you attend, you will enjoy it! See you there. You can attend the technical sessions plus many training courses are available. to read more about it -- <http://www.4spe.org/conf/antec06/>
- AIM** is at a 20% 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>.
- Know anyone interested in SPE and want to learn more about us? Just follow the directions on the webpage and A.I.M. will do the rest. Sounds too easy? Try it and let me know what you think. National is also announcing an incentive program for members to use AIM. This program will distribute funds back to sections and members who have been successful in recruiting new members.

Any of you interested in helping us out on the board, let us know. We could use new ideas and members. Just contact me or Lloyd Goettler, our current President.

Membership chair, Joe Pfeiffer, Santoprene Specialty Products

New Members

You are all invited to our April meeting as our guest. Call in and let us know you are a new member and just bring yourself and your enthusiasm. A free meal and knowledge to boot - hope to see some of you take up this exciting offer

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

Yan Chen

A. Schulman

Oluyinka C. Dosunmu

University Of Akron

Ling Du

University Of Akron

William R. Galla

GE Plastics

Todd M. Lewis

University Of Akron

Michael Miller

Schneller Inc.

Rachna Mohan

Advanced Elastomer Systems

Felix M. Zacarias

Advanced Elastomer Systems



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ANTEC 2006 Plenary Programs
Monday, May 8, 2006
11 a.m. – 12 Noon
Charlotte Convention Center
<http://www.4spe.org/conf/antec06/plenary.php>



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 "MUD" Dinner Meeting -- Guy's
Jan. 23	Polymer Exchange Plant Tour (Plastic Recycler) and Eriez "Plastic Separation and Process" Dinner Meeting	May 19	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

Akron Polymer Training Center	7
American Polymers, Inc	4
Ashland	8
Berstorff	15
Capco Polymer Ind.	9
Chemir Analytical Services	4
Clariant	3
D-M-E	4
David Industrial Sales	3
H.I.S., Inc.	5
Omya, Inc.	15
Plastics 101	4
Polymer Processing & Testing Services	6
Polymer Resources	5
Polysort	3

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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



News from Student Chapter

I have learned that our SPE Student Chapter is the recipient of this year's CHASE Award, which will be used to organize the first "Plastics Awareness Day."

On behalf of our Student Chapter and PESO, I wish to thank especially Dr. Goettler, Dr. Jana, Sylvain Seif, Pankaj Rathi, Kathy Perevosnik, Rishi Kumar, Rushikesh Mathkar and Hemant Thakkar for their wonderful ideas and great help in writing the proposal for this award. Also thank you to SPE Akron Section BOD and all PESO officers. This is the success of not only PESO, but all our department. Moreover, it is also a great chance to promote University of Akron Polymer Engineering program and show the whole community what we can do.

We will start preparations for the "Plastics Awareness Day" immediately. I call all of you to help with the organization by taking active roles in PESO in 2006-07. I urge all of you to start taking part in this great organization and help make it better by running in the 2006-07 officer elections.

Below is a full text of what appeared in SPE leadership e-news:

"Chase Education Award

The SPE Student Chapter at The University of Akron is the recipient of a \$2,500 award, sponsored by Chase Plastic Services, Inc. The award will be used to develop the first "Plastics Awareness Day" in the local school district. The event will consist of a polymer science fair for K-12 students and tours of the plastics laboratories at UA, with working displays like the production of samples from injection molding machines that can then be tested at the next stop on the tour. An essay contest will be organized for students, a plastics trivia competition for K-12 students will be held, and presentations by UA students and local industry executives will be made. Increasing student awareness about new technologies, science education, and plastics processing is the goal of the UA Student Chapter."

Once again, congratulations everybody. Increase you involvement by taking active duties with PESO and let's work together to organize the first "Plastics Awareness Day".

Kaan Gunes
SPE Akron Section Student Chapter President



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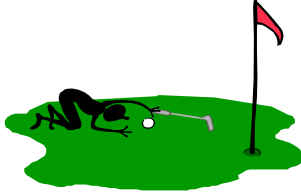




41st Annual Spring Golf Outing

**Akron & Cleveland Sections
Society of Plastics Engineers**
(Proceeds Go Towards Education)

Barberton Brookside Country Club
Friday, May 19, 2006 (Rain or Shine)
No Refunds After May 12, 2006



Shotgun Start – 7:30 a.m.

AWARDS

*Longest Drive ♠ (Women) ♠ (Men Over 50)
(Men Under 50) ♠ Closest to the Pin ♠*

*Low Gross ♠ Low Net and Wager for Accuracy ♠
Blind Bogey and Putting Contest*

Door Prizes!!

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*Payment Must Accompany Reservations for Golf and Dinner
Deadline for Reservations – May 12, 2006*

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TICKETS WILL BE MAILED TO PRIMARY CONTACT

Joint Societies Meeting

Akron Council of Engineering & Scientific Societies (ACCESS)

"The Hydrogen Economy"

Mr. Stanford R. Ovshinsky

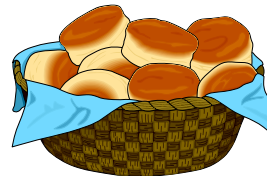
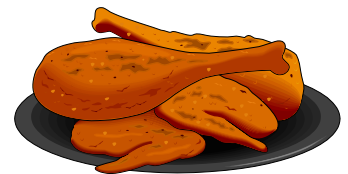
Date: Thursday, April 27, 2006

Time: 5:30 PM Social hour, 6:30 PM Dinner,
7:30 PM Program

Place: Tangier Restaurant, 532 West Market Street, Akron,
Ohio

Dinner: Choice of Marinated Grilled Chicken Breast, or Tenderloin Beef Tips in Burgundy Wine Sauce, or Crabmeat Stuffed Orange Roughy, each with Tossed Salad, Rolls, Butter, Chef's Choice Vegetable, Potato, Dessert, Coffee, and Tea. Meal cost will be \$20, including tax and tip.

Each person is to pay individually at the restaurant.

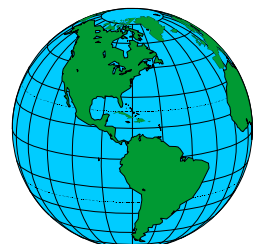


Reservations: Deadline: April 20, 2006. Email akronasme@mail.com or call 330/864-7555. Please leave name(s), a menu choice (chicken, beef, or fish) for each person, & ACCESS member society affiliation *.

Abstract: "Hydrogen is the ultimate fuel and therefore the ultimate solution to the global energy problem. I will discuss in detail how anything that burns can be replaced by hydrogen."

Mr. Stanford R. Ovshinsky

President and Chief Scientist and Technologist,
Energy Conversion Devices, Inc. (ECD Ovonics)
Rochester Hills, Michigan



* ACM, ACS, ADSPE, AIChE, ASCE, ASHRAE, ASME, ASSE, IEEE, SME, SPE

Minutes of Board Meeting – March 13, 2006

Call to Order: 5:35 PM at Akron University Polymer Engineering Center

Present: Lloyd Goettler, Dave Schultz, Joe Pfeiffer, Hemant Thakkar, Josh Wong, Gary Taylor, Cameron Fraser and Vivian Malpass

Absent - Rishi Kumar, Amruth Puttarudraiah, Sadhan Jana, John Woodside, Kevin Malpass, Tony Dean , Bob Wegelin, Dave Katz, Kaan Gunes, Joe Mattingly

Thanks Lloyd for hosting!! Thanks Joe for the Cupcakes.

Minutes: February minutes amended and approved.

Added items to Agenda: None.

President: Lloyd officially congratulated all in the Akron Section for the work done and being awarded the Gold Level Pinnacle Award and having Tony Dean as an Honored Service Member for 2005-06 Year. Lloyd reports he recently was going through some original files and located the By-Laws penned in 1960. We will soon review these within the Section and discuss with The Council of the Whole at ANTEC to determine how to continue. Lloyd also reports that he recently received information on a plastics e-learning site from a retired Penn State Professor.

Treasurer: Gary reports that Section is in good standing with Meetings and rebate posted.

Officers, 2005: No report.

Awards Report: Cameron reports that ALL Awards have been applied for and confirmed that we have been awarded the Gold Level of the Pinnacle Award and probably the Star Award for 2005-06. David Schultz will contact Dennis Conley and confirm date to hang Hall of Honor Awardees Pictures in Polymer Science Building.

Student Chapter: Kaan reports that 11 students are planning to attend ANTEC- Charlotte. Need to submit a cost proposal but Board plans to provide \$2000 to help offset expenses. He also reports a Pool and Recreation Center Party for March 15 at Univ of Akron at 7-9:30 PM.

Newsletter: Joe, from Board comments, agrees that in the near future we need to look into expanding the listserv to SPE- Perspective Members and surrounding Sections- Cleveland, Firelands ,Pittsburgh and Central Ohio. He reports that he needs info to Jenny Digi or himself by March 29th.

Membership: Joe reports we are now at 418 with recent new members and transfers.

Councilor's Report: Viv reports he and Joe will be present at ANTEC in Charlotte. He also reports that By Law Vote is going well with 3528 members already voted to date and most being positive for New By Laws replacing Constitution. ALL Members need to Vote by the END of MARCH!!

TPE TOPCON 2007: Viv noted that ACS-Rubber Div Meeting in Akron also has TPE component that is separate and he wanted to make sure that they had no plans to have any Sessions in 2007 that might interfere with TPE TOPCON. Lloyd will address issue with Ed Miller.



Minutes of Board Meeting – March 13, 2006 (cont.)

Education Committee: Hemant informs all awards have been given out on Essay Contest to Middle and High Schools and that the first Science has been judged at Central HS. The last Science Fair is scheduled for March 18 -Sat at The Univ. of Akron and Hemant, Rathi Pankash and Cameron Fraser will help judge.

Education Foundation: Hemant has agreed to take over. Kevin will help in the transition and may like to stay involved along with Lloyd Goettler, Bob Wegelin and Joe Mattingly. Hemant /Kevin to check with Bridgestone re: World Series of Golf for 2006 and possible contribution to Foundation. Plan to look into second possible scholarship from Goodyear and also possible contribution from ExxonMobil. Key area for addition to Education Foundation information on a Marketing Brochure for Akron Section. Viv has suggested under NEW Marketing that 20 companies be contacted for involvement in Education Foundation or another section of our Section.

Advertising: Monies for all ads now collected.

Website: Tony Dean has updated all activities on the web. We are still in process of transfer of the Plastics Experiments framework to Polysort re..Husky Award. We will soon need NEW Experiments.

Program: March , April and May Sites and Dinners are set. John needs to confirm attendance of all the Speakers and have Biography for each- nice to provide a background. Also should have 50-75 copies of the Program present for attendees.

Mini-Tech set for March 27, 2006 at Guy's. Invited Pittsburgh, Firelands and Central Ohio Sections plus Ohio Rubber and Plastics Group.

Meeting Time 1:00 PM including 7 papers, Meeting/Dinner-\$40 to include Wine and Cheese - looking for potential sponsor for Wine.

Topic: Additives for Rubber/Thermoplastic Elastomers/Plastics

Additives for Plastics- Cathy Hanlin -Americhem

Broad Overview-Rubber Additives Byron To- Flexsys

Additives for Thermoplastic Elastomers- Charles Rader- Consultant

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

Ceramic Fillers in Plastics- CERCO- Jim Jaskowiak

Colors for Polymers- Bob Charvat- Consultant

Nanocomposite Concentrates- PolyOne- David Jarus or Marti Dreschel

April 24- MUD- Cleveland would like to attend- per Gary Casterline and Jeff Dininger

May 22-Awards Banquet set for Guys - Cameron reports he will get with Joe Pfeiffer and set up application for potential Hall of Honor Awardees, search for a speaker, get Zekan nominees. Need to confirm attendees from Scholarships and create awards and brochure.

House: Meetings are set for Guys the remainder of the year.

Fall Golf: None.

Spring Golf: On track.

Past President's Committee: In process of carrying out plan for Business of the Year 2006. Plan to run a Meeting for 2006-07.



Minutes of Board Meeting – March 13, 2006 (cont.)

ACCESS: Lloyd reports next meeting April 27 -The Hydrogen Economy. Need to utilize the contacts ACCESS has in Education arena to a greater extent.

Old Business: Nothing to report.

New Business:

Marketing Plan

Plan to develop a Marketing Brochure for Sales of the Akron Section to include: Section, Education Foundation, Board and Companies. Per Viv and Lloyd we need to Plan to tie in Market Brochure, New Education Foundation Sponsors and expanding the company wide RECOGNITION of SPE Akron. Plan to promote Value- must include list 20 ITEMS that SPE provides. What is In It for ME!! Need to have Leaders from NEW Local companies. Need to fold in AIM- SPE Intl. Amruth agreed to handle along with Joe Mattingly and David Schultz the Brochure Viv will handle details with Local companies. Need to SELL VALUE!!! Desk top publish a glitzy marketing brochure that is "eye catching" Plan to have ready- Aug 2006.

EPSDIV TOPCON: Josh reports that he now has a list from SPE of companies that he can contact -re Sponsorship of portions of TOPCON. He also reports they now have 7-9 Speakers. Viv suggests that each Speaker be asked to provide 1-2 other potential speakers. Need to have Program in place by mid May and Brochure mailing by June in order to be on schedule.

AICHE Meeting attended at Noveon- on Polymer Displays attended by Kaan and Josh. Josh also mentions Kent State may have a 17th Annual LCD - Sept 06. Need to check this out.

New Board Members: Need NEW Board Members for 2006-07. Lloyd reports he will have the positions for all Officers and Board Members in place by April Meeting. All voting for the Board will be handled by e-mail with help of Jenny Digi.

The next board meeting will be April 10, 2006 at the Akron Univ. Polymer. Adjourned 7:27 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:

\$30,000 lump sum \$10,000 / yr next 3 yrs. \$5,000 / yr next 6 yrs.

other _____

Our named scholarship donors are recognized at the annual Awards Night of the Akron Society of Plastics Engineers. We invite you to present your donation at our Awards Night, which will be scheduled in May.

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

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



SPE MEMBER BENEFITS GUIDE



FREE TO MEMBERS

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

SAVINGS TO MEMBERS

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

WEBSITE LINKS SUBJECT TO CHANGE - CHECK WWW.4SPE.ORG FOR FULL BENEFITS

WHY JOIN ?

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

Active membership in SPE:

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

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

WHY NOT?



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