Technical Meeting

Monday, March 9, 2015
5:00 p.m. - Sign in

Thogus Molding
33490 Pin Oak Parkway
Avon Lake, Ohio 44012

Thogus & rp+m Tour
The March meeting will be a tour of Thogus Injection Molding and rp+m (Rapid Prototype + Manufacturing LLC) which share a site in Avon Lake, Ohio.

Tours will start at 5:15 P.M.
Dinner will start at 7:00 P.M. at the Wood & Wine
We have had two highly successful meetings so far this year. Our meeting in January on “Innovation at PolyOne Corporation” featured Dr. Chris Murphy, VP of R&D and Chief Innovation Officer at PolyOne. This was our joint meeting with ACESS and drew about 75 attendees from SPE and a number of ACESS member societies. We hope to repeat this joint meeting with ACESS next year and possibly have other joint meetings with organizations such as ACS or SAMPE. Likewise in February, in spite of the weather, we had a good turn out for the SABIC Innovative Products presentation on “Advances in Structural Foam Molding Materials and Processes”. We were fortunate in having an alternate for our scheduled speaker who could not get out of Boston which was under seven feet of snow. Our alternate Tom Hall had 45 years of engineering thermoplastics experience with GE Plastics including 20 years of technical service working out of Cleveland and 5 years with SABIC.

Our next meeting on March 9 will be a tour of Thogus Injection Molding and rp+m, Rapid Prototype and Manufacturing, which share a site in Avon Lake, Ohio. Sign-up deadline for the tour is February 28. Attendance is limited to the first 50 pre-registering. There will be no on-site registration for the tour.

Planning for the October 2015 Vinyltec is progressing. The Technical Program Committee is well on its way to finalizing the program. We will be sending out a Flyer announcing the TOPCON and a number of these will be taken to the SPE ANTEC and the NPE Show in Orlando in March. Also we will be mailing out an Advanced Registration and Final Program brochure sometime in May-June. Stay tuned for more information.

Viv Malpass, 330-342-1120, 330-802-9428©
President 2014-2015 Akron Section of SPE  vivian.malpass@tek-mark.com

Coming up April 13 –

Current Technology in Thin Gauge PLA films

Randy Scott – Vice President of Sales and Marketing
Plastic Suppliers, Inc.

Randy has been in the plastics industry his entire working career. His work background has been in blow molded/injection molded PET containers (Sewell Plastics), rigid calendared and extruded sheet (Klockner Pentaplast), blown PVC films and shrink labels (Alcoa Flexible Packaging), copolyester resins for packaging (Eastman Chemical), blown and cast PE and PP films (Pliant), and flexible packaging (Exopack).

Randy has been the VP of Sales & Marketing for Plastic Suppliers since early 2013 and focuses on growing the company’s property product lines for thin and thick Polystyrene films (“Polyflex” brand) and its unique line of PLA based film (“Earthfirst”).

Randy is a graduate of Harvard University with a degree in Economics and resides in the Chicago area.
**About Thogus**

Thogus started out as a tool and die shop, Master Mold & Die, founded by Jack Thompson and Walter Gus back in 1950. Jack quickly realized there was a lot of money to be made molding products, especially proprietary products and he developed a line of fittings. By 1958 the focus of the company had changed so much that they renamed it Thogus Products Company. For the next forty years the company was primarily a custom injection molder, while still molding and selling the line of fittings.

By the time Thogus moved into the twenty first century, Jack’s grandson, Matt Hlavin, was working for the company and in 2008 he was promoted to CEO. One of Matt’s goal was to turn Thogus into a one stop shop for product development, prototyping and plastic injection molding. To do this he started to upgrade the molding shop equipment, training the employees and adding engineers.

Matt had begun studying additive manufacturing in the nineties and realized the possibilities of using this technology for prototype production and to diversify into high value/low volume parts by eliminating the need for a mold or injection molding machine. He was very impressed by the Stratasys Fused Deposition (FDM) machine and even though the recession had started, he decided to order one. He quickly found jobs to pay for the machine and more equipment and engineers followed. Thogus also uses additive manufacturing to produce custom fixtures, gauges, and production aids such as shadow boards and racks for use in their molding shop. However the most valuable internal uses they have found are the production of end of arm tooling and other parts for automation of the molding process.

**About rp+m**

Due to the dramatic increase in demand for prototypes and low volume production using their additive manufacturing technology, equipment and diversified engineering skills a new company was formed in 2011. Rapid Prototyping and Manufacturing LLC (rp+m) focuses on creating solutions for customers using additive manufacturing technology in polymers and metals. The business is currently split equally between prototype and production parts.

Today Thogus is a family of companies; Thogus Injection Molding, rp+m, Jalex Medical LLC, Radiation Protection Technologies (RPT) and Thogus Fittings. Matt’s goal of being a one stop shop for product development, prototyping, and any scale of production from one part into the millions has been met. Ironically, while they have moved into the forefront of technology for both rapid prototyping and injection molding, they are also now producing molds of polymeric materials and metals by additive manufacturing, which sort of takes them full circle, back to the company roots.

You can find more information about Thogus at [www.thogus.com](http://www.thogus.com).

If you would like to meet Matt and the talented, enthusiastic people at Thogus and rp+m, find out how the company was reinvented and see what they do and how they do it, you need to come on this tour! Included in the tour is also a dinner at the Wine & Wood Restaurant where owner Ron Miller has created a custom menu for this event. He guarantees, you won’t be disappointed in the food!
**Thogus & rp+m**
33490 Pin Oak Parkway
Avon Lake, Ohio 44012
440-933-0297

**Wood & Wine**
38790 Chester Road
Avon, Ohio 44011
440-934-9463

**Directions from Tour to Restaurant**
Start out going west on Pin Oak Pkwy toward Moore Rd. 0.6 mi
Turn left onto Moore Rd. 1.0 mi
Take the 1st right onto Chester Rd. 0.5 mi
38790 CHESTER RD is on the right
**Rules for Thogus & rp+m Tour.**

1. All attending the tour must be an SPE member in good standing (Dues paid for the 2014-2015 year).

2. Registration will be limited to 50 members. The registration will be by mail only and each registration must include a completely filled out registration and Visitors Access form for each attendee. Remember to circle your choice of meal. A check for $25.00 made out to Society of Plastics Engineers, Cleveland Section must also be included.

3. The attendee will be accepted in the order that their paid reservation is received. All registrations must be received by February 27, 2015.

4. Thogus reserves the right to deny entry to their facilities of anyone for any reason. Registrant’s who are denied will be notified by Cleveland SPE and their check will be returned.

5. The registration form and check must be sent to: Dan Crist, Cleveland Section SPE, P.O. Box 845, Brunswick, Ohio 44212.

**SAFETY GLASSES WILL BE PROVIDED BY THOGUS, BUT YOU MAY BRING YOUR OWN!**
1. **Macaroni, Smoked Gouda and Wood Roasted Chicken**
   Cavatappi Macaroni, asparagus and roasted chicken in a smoked gouda cream sauce

2. **Seafood Pasta**
   Shrimp, mussels, and lobster raviolis served with mushrooms, tomatoes, spinach, and a yellow tomato cream sauce

3. **Fresh Grilled Salmon**
   Atlantic salmon grilled and placed atop cavatappi macaroni with a spinach cream sauce.

4. **Pork Chop**
   Pan seared pork chop topped with strawberries and balsamic served with vegetable of the day and a rice pilaf.

*House Salad included with each entrée*

*Soft drinks and coffee included. Cash Bar*
The Akron Section is in need of New Board Member as the new year begins.

Please consider becoming a Board Member to help support your Section.

Contact anyone currently on the board (see page 19)

if you are interested.
Thank You!
Akron Section SPE Past Presidents

1959-1960  Donald F. Siddall
1960-1961  Milan Krajcik
1961-1962  Foster J. Young
1962-1963  Dickson L. Stoker, III
1963-1964  Edward L. Hillier
1964-1965  John R. Russell
1965-1966  John R. Russell
1966-1967  Clyde H. Jones
1967-1968  Alan Corry, Jr.
1968-1969  Bernard M. Saffian
1969-1970  Harold R. Schick
1971-1972  John J. Satterfield
1972-1973  Alexis M. Gross
1973-1974  Francis J. Maurer
1975-1976  Robert M. Hershey
1976-1977  Richard L. Fleshman
1977-1978  David Curtis
1979-1980  Gerald W. Whitnable
1980-1981  Kathleen N. Bechter
1981-1982  Victor E. Giuffrida
1982-1983  James Steiner
1983-1984  Robert G. Hills
1984-1985  Anthony F. Dean, Jr.
1985-1986  Gene Buser
1986-1987  Harry J. Barth
1988-1989  William E. Tosko
1989-1990  Robert C. Wegelin
1990-1991  Geraldine R. Stromquist
1991-1992  Spencer Kreiser
1992-1993  Robert C. Wegelin
1994-1995  Wayne Decamp
1995-1996  Melanie Stewart
1996-1997  Kevin Hershfield
1997-1998  David Schultz
1998-1999  John Raab
1999-2000  Gary Taylor
2000-2001  Kevin Malpass
2001-2002  Kenneth L. Sharp
2002-2003  Joseph E. Pfeiffer
2003-2004  Robert C. Wegelin
2004-2005  Joseph Mattingly
2005-2006  Lloyd A. Goettler
2006-2007  John Woodside
2007-2008  Vivian Malpass
2008-2009  Joseph Mattingly
2009-2010  David A. Katz
2010-2011  Lloyd A. Goettler
2011-2012  David Schultz
2012-2013  Kevin Malpass
2013-2014  Dan Jones
2014-2015  Vivian Malpass

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 http://akronspe.org/contact/. If you post a question we will post it in the following newsletter along with the answer.
Membership report – February 2015

Akron Section has 301 active members. 5 new members added in February.

Mantheni, Dhruthiman
Americhem, Inc., Cuyahoga Falls, OH

McNulty, John
Akron, OH

Meldrum, Daniel
Sajar Plastics, LLC, Middlefield, OH

Moore, Janice
GOJO Industries, Akron, OH
(Nice job Keith!)

Stanek, Lawrence
ENPAC, LLC, Eastlake, OH

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E-mail John Inama at johni@polysort.com

**SPE**

The power of many.
New Directions Initiative

An initiative has been undertaken to develop a set of new directions for the SPE Akron Section with the objectives of revitalization and operational efficiency. Elements to be addressed include technical program focus, section functioning, member involvements, inter-society interactions, meeting venues and liaisons with our local educational institutions.

Following its authorization by the Board of Directors at their June 2009 meeting, the committee comprising R. Sadeghi, S. Jana, V. Malpass, K. Malpass, K. Cavicchi, M. Holtman and L. Goettler (chair) has met to generate program concepts for the upcoming year around developing technologies of local interest that involve both R&D and commercialization and are of general societal interest. Thrust areas have been identified as energy, biomaterials, medical/health applications of polymers and environmental concerns. Some program subjects being considered are medical plastic applications, e.g. implants, fuel cells, applications of nanofibers, biopolymers, alternate energy sources, water purification e.g. via desalination, photovoltaics, flexible displays, and the general process of technology transfer from lab to marketplace.

Please input your preferences and other ideas to us via the SPE website to insure that our programs are meeting your needs and interests.

The Akron Polymer Training Center (APTC) at The University of Akron provides short courses for the plastics, rubber, medical, corrosion, and adhesives and coatings industries.

APTC plastics courses include:

- Understanding Plastic Material Properties in Analyzing and Preventing Product Failures
- Making Properties and Profits: Twin Screw Extrusion Seminar
- Complete Injection Molding
- Polymer Compounding, Formulating and Testing of Plastics, Rubber, Adhesives and Coatings
- Rubber and Plastics Failure Analysis – Physical and Chemical Analysis Techniques
- Plastic Material Selection and Testing
- Plastic Part Failure Analysis
- Chemistry and Technology of Polymeric Materials used in Medical Devices
- Validating Medical Molding Processes and Parts
- Color Theory and Applications

Visit uakron.edu/aptc for a complete list of APTC courses.

Customized training programs are also available. Contact APTC at 330-972-8303 or lbettinger@uakron.edu
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Highlights of February Meeting

Social Hour

(left to right) Tom Hall, Speaker, Tim Farrel, SABIC and Vivian Malpass, Akron SPE President
Highlights of February Meeting

(left to right) Bob Wegelin, Dave Schultz and Nicole Brostowitz

Dinner
Highlights of February Meeting

Speaker Tom Hall

Question and Answer Session

Speaker Tom Hall (left) answers questions
Minutes of Board Meeting – February 23, 2015

Call to Order: 5:30 PM at PEAC

Present: Viv Malpass, Dave Schultz, Joe Mattingly, Gary Taylor, Bob Wegelin, Robert Weiler, Tom McQuaide and Keith Pelfrey

Absent: Dan Jones, Tony Dean, Kevin Malpass, Martin Mensch, Matt Crowder, Mark Holtman and Kevin Cavicchi

Viv had asked Keith Pelfrey- Chair-elect to handle meeting of BOD but he was present for Feb meeting - his Agenda format below:

Minutes - January

Organization
  Review minutes from last meeting and approve

Reports
  Technical Program -- Keith Pelfrey
  Sign ups for the Thogus Tour
  Status of the final Sustainability talk in April
  Planning for the 2015-16 program and committee

McQuaide
  House -- Bob Wegelin
  Membership -- Rob Weiler
  Treasurer -- Gary Taylor
  Councilor -- Kevin Malpass
  Student Chapter -- Matt Crowder
  Public

Progress with Flyer/Banner for ANTEC

Old Business
  Confirm attendance to 2015 Engineers week Banquet

New Business
  Upcoming ACESS events- March 3- STEM Event
  Confirm attendance at ANTEC and awards
  2015-6 Pres Elect

Meeting called to order 5:30 PM
January minutes reviewed briefly by BOD/Secretary, approved by BOD

Organization
Still valid GOALS need to have Action items for tracking!!

Section Goals - Reviewed bullet points
1-Close work with Cleve- status- Keith Pelfrey continuing to work very close with Ric Keeley- Cleve/Akron putting together a very diversified program for next year - dinner meeting planned
2-Increase involvment with Student Chapter - need representation present/communication - Joe Mattingly to touch bases with Matt Crowder Goodyear as well Tom McQuaide
3-Give better recognition- need to track new members monthly add to Newsletter and track / allow free first meeting - in process communications/ star on badge. Increase membership- need to do all plus more from above/ below Goals.
4-Work closely Vinyl Div- In process – moving forward
5-Continue to expand- D Schultz to contact local ACS- Chair for input, ideas
6-Continue recruitment- candidates being reviewed and considered.
Program- 2015-16-Keith Pelfrey
Rik Keeley and Keith soon to meet- reminder at least one ACESS Meeting- set Jan as past and need to consider Educational event as we move on PR for Akron Section.
Leadership- Making progress with getting new Members for BOD and Committees—Education, 2015-16 Technical Program, Awards and PR/Website Committees need members.
Tom McQuaide has officially joined Education Committee with Kevin Cavicchi and run through review of key items- will be making suggestions and working on major PR article for Section.
Mike Fulmer- Struktol- Product Manager Plastics Additives has informed his interest and reviewing potential for past President- PESO- Nicole Brostowitz to join BOD.

Committee Reports

Technical Program: Keith Pelfrey
Keith reviewed upcoming schedule- Thogus is set with Cleve- need to sign up and pay by Feb 27th- total 50 for Tour, April Meeting set at Hilton- need Abstract for speaker, May-Awards Night- in process of development- new location being considered- for higher visibility.

House: Bob Wegelin / Gary Taylor
Bob Wegelin and Gary Taylor inform that next venue is set- Akron- April.
Noted that membership used our new pay option- worked well.

Membership: Rob Weiler
Rob reported membership at 301, 5 new members.
Keith Pelfrey has contacted last months new members.
Plans in place to contact and welcome new members from February list.
Plans to add STAR as New Member on badge at meeting and inform their first meeting is FREE.
Plus introductions will be carried out at meeting- NEW Member recognition.
Anticipate still would be good to track attendees from last year TOPCON as non- members- determine interest in joining their local section- determined by location they reside.
We still need to determine how best to track students and retirees after graduation and retirement as they are both valuable assets to our society.

Treasurer: Gary Taylor
Gary reviewed latest activity for calendar year 2015 with new format to include copy of bank statement on line.
Bob Wegelin and Gary have secured help for review of finances 2014 - set for finalize by May.
Current thoughts on Section financial responsibilities – in process of further review and modification.

Councilor: Kevin Malpass
He has asked for feedback- current Nominations- Intl late of Officiers plans to review list of items from Intl for sections- monies etc.
Viv Malpass, Kevin Malpass, Keith Pelfrey and Bob Weiler from BOD plan to attend as well as David Schultz.

Student Chapter: Matt Crowder - PESO Liaison
Viv requested added help to review current in-activity re Student Chapter.
Goal has listed- try to attract more student SPE members and to have added involvement in Section meetings and by local SPE members in PESO functions.
Need calendar of events as developed- Kevin Cavicchi/Tom McQuaide to aid along with Joe Mattingly.
Suggestion made to review with company interns (univ students) currently employed by large local companies.
Public Interest/Website: Tony Dean
Web site is set for new 2015 year.
Need to get new advertisers for year.
Tony has asked for feedback on current website.
BOD has now listed as one of GOALS- we need to develop a PR article informing local Akron and surrounding areas about SPE Akron Section- very active, Awards and particularly monies over past many years for Scholarships - in process with Education Committee.

Newsletter: Tony Dean
Jenny needs BOD inputs on monthly basis.

Awards: Dave Schultz for Dan Jones
David confirms Hall of Honor recipient and supporting data is set plus reviewed Zekan candidate- will develop support data soon- Reviewed potential speakers for Awards Night- President of Akron section will make contacts.
Need as well to review potential Intl Awards for this or next year.

Education Committee: Kevin Cavicchi / Tom McQuaide
Kevin to inform soon re next Science Fair- March- Univ of Akron for 2015 as well as what could be done to help his efforts- added PR contacts at schools PTO, PTA, General Scholarship website, Akron Section website- searchable?? as well as PR in local papers- West Side Leader and ABJ.

Education Foundation: Bob Wegelin
BOD has asked for sub-committee to set up policy for funding from Akron Section to Foundation for Awards and Scholarships.
Suggested money raising event for 2015-16 year.

TPE TOPCON: Viv Malpass

VINYLTEC TOPCON 2015: Rob Weiler
Next meeting set for March 4th all items moving along Banner and new letterhead for flier.

Old Business
Confirm attendance to Engineers Week- Feb 26 2015
Confirmed that Dan Jones, Joe Mattingly and possibly Keith Pelfrey would attend.

New Business
STEM- Meeting set for March 3 at ESC-Cuy Falls
D. Schultz reviewed entire scenario as set up by Organizing Committee
Dr. Missi Zender Sakach, David Schultz and Christie Robinson

Webinars of monthly technical meetings – Dan Jones
Dan Jones reported no progress, but would continue to try in new SPE year working with Intl- Scott Marko.

Adjournment
Meeting was adjourned at 7:11 p.m.
The next meeting of the Akron SPE Board of Directors will be March 23, 2015 at the Univ. of Akron Polymer Engineering Center at 5:30 p.m. - may have to change as ANTEC/NPE set for March 22-26
Programs for 2014 / 2015

Sept. 16-18  TPE TOPCON  
Building New Bonds  
-- Hilton Fairlawn

Oct. 13  Nottingham Spirk  
Industrial Design, Tour at 11:00 a.m.  
Lunch buffet following at 1:00 p.m.  
-- Cleveland*

Nov. 10  ColorMatrix / PolyOne Corp.  
Liquid Coloring of Plastics  
-- Hilton Fairlawn – Akron*

Dec. 8  Holiday Celebration  
-- Wolf Creek Winery – Akron*

Jan. 12  PolyOne Corp.  
Innovation at PolyOne  
Joint with ACESS  
-- Hilton Fairlawn – Akron*

Feb. 9  Sabic Innovative Materials  
Structural Foam Molding Processes and Materials  
-- Hilton Fairlawn – Akron*

Mar. 9  Thogus Molding, Tour  
Two part molding / Over molding  
-- Avon Lake – Cleveland*

Apr. 13  Plastic Suppliers, Inc.  
Current Technology in Thin Gauge PLA films  
-- Hilton Fairlawn – Akron*

May 18  Akron Section Awards Night  
-- Hilton Fairlawn – Akron

Meetings are joint with Cleveland Section with host section denoted by *

Akron Section  
Board of Directors

Vivian Malpass  330-342-1120 T  
Tek-Mark International  330-342-1134 F  
President/Chair, Technical  vivian.malpass@tek-mark.com  
Program, TopCon 2014

Keith Pelfrey  330-255-6557 T  
GOJO Industries  330-255-6114 F  
President/Chair-elect, Technical  PelfreyK@GOJO.com  
Program

Dave Schultz  330-798-6535 T  
Harwick Standard Dist. Corp.  330-798-9328 F  
Secretary  schultzd@harwickstandard.com

Gary Taylor  330-334-5323 T  
Retired  taylorandc@gmail.com  
Treasurer, House

Kevin Malpass  330-490-4743 T  
Diebold, Inc.  330-490-4788 F  
Councilor, Prior Past-President  kevin.malpass@diebold.com

Dan Jones  330-338-8029 T  
Past-President  daniel.h.jones@sbcglobal.net

Matthew Crowder  mjc71@zips.uakron.edu  
Student - U Akron Polymer Eng.  
Director, Student Chapter SPE Liaison

Bob Wegelin  330-414-1498 T  
Retired  robert.wegelin@att.net  
Director, Education Foundation, House

Kevin Cavicchi  330-972-8368 T  
U Akron Polymer Engineering  330-258-2339 F  
Director, Student Chapter Advisor,  kac58@uakron.edu  
Awards, Education

Tony Dean  330-929-9916 T  
Retired – Director, Public Interest,  francis@neo.rr.com  
Website Manager, Newsletter Editor/Advertising

Robert Weiler  330-283-9024 T  
Amfine Chemical Corp.  330-258-2339 F  
Director, Membership

Mark Holtman  330-972-6008 T  
U Akron Polymer Engineering  330-258-2339 F  
Director  holtman@uakron.edu

Joe Mattingly  330-962-5299 T  
Goodyear Tire & Rubber Co.  330-896-7379 F  
Director  joe@mattingly.us

Tom McQuaide  330-630-7113 T  
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Director  Thomas_McQuaide@aschulman.com

Martin Mensch  570-441-8951 T  
Case Western Reserve Univ.  330-258-2339 F  
Director  mmensch@gmail.com
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, 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 twenty three years that the foundation has been in existence, it has provided scholarships to over 245 young men and women totaling in excess of $310,000 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 five named scholarships, Newell/Rubbermaid, Goodyear, Ken Sharp Memorial and Jim Steiner Memorial scholarships. We are asking your company to help with the growth of well-trained individuals in the local polymer industry. Please print this page, fill out the information and mail it to Bob Wegelin, 13206 Kaufman Ave. NW Hartville, OH 44632.

Akron SPE Scholarship Donation Commitment

[ ] $30,000 lump sum. __________________________________________
[ ] $10,000/yr. next 3yrs.
[ ] $5,000/yr. next 6 yrs.
[ ] Other: ____________________________________________________

Company name: __________________________________________________
Contact person: ____________________________________________________
Ph. # or email: ____________________________________________________

Our named scholarship donors are recognized at the annual Awards Night of the Akron Society of Plastics Engineers. We invite you to present your tax deductible donation at our Awards Night, which is scheduled on May 18, 2015.

We are looking forward to your support of this very worthwhile cause by your fine company. Please contact me at (330) 414-1498 with any questions. Thank you for your consideration.

Sincerely,

Bob Wegelin, Foundation Chair

Akron Section Society of Plastics Engineers, Educational Foundation
The Polymer Modifiers and Additives Division of the Society of Plastics Engineers presents the:

**PMAD Challenge 2015**

The PMAD CHALLENGE is a technical writing competition designed to encourage student members to participate in SPE activities as well as to promote scientific and engineering knowledge relating to plastics. Monetary prizes will be awarded to the winners (both undergraduate and graduate students) of the competition who demonstrate excellence in technical writing and scientific creativity. The PMAD Challenge is sponsored by the Polymer Modifiers and Additives Division (PMAD) of the Society of Plastics Engineers.

**Awards:** There will be three graduate student awards ($2,000 for 1st Place, $1,000 for 2nd Place, and $500 for 3rd Place) and three undergraduate awards ($2,000 for 1st Place, $1,000 for 2nd Place, and $500 for 3rd Place). If a winning undergraduate student wants to carry on the proposed research, an additional award of $1000 will be granted to support the research. This should be indicated on the Entry Form. As an incentive to improve the number of high-quality entries, PMAD is offering a FREE, one-year SPE membership (a $144 value for new members) to the first five faculty members who are able to nominate 5 or more students to enter our contest (must be acceptable entries).

**Entry Forms** and more details are posted on the SPE Website: [PMAD Challenge 2015 Link](#)

**Eligibility:** Any current college student (graduate or undergraduate) is eligible to enter the competition. All participants, whose submissions are accepted, will receive a free one-year student membership to SPE sponsored by PMAD.

**Deadline:** Submissions must be completed and received by email by midnight, Monday, May 4, 2015.
The Akron Section of the
Society of Plastics Engineers (SPE)
Education Committee
Announces:

2015 Essay Contest
First prize: $100
Second prize: $50
Sponsoring teacher: $50
Please see attached entry form:
Entries due Feb 13, 2015

2015 Scholarship Awards
From $250 – $3,000 awarded per student annually
For undergraduate students interested in
polymer/plastics careers
Entries due March 13, 2015
Contacts below or www.akronspe.org for forms and rules

For more information contact:

Robert Wegelin 330-414-1498 robert.wegelin@att.net
Dr. Kevin Cavicchi 330-972-8368 kac58@uakron.edu
2015 Scholarship Application & Renewal
Akron Section - Education Foundation

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 scholastic achievements and potential for future success in the
   fields of plastics and polymers. Attach these references to this application.

   All applications must include a current transcript.

   All Applicants return application by March 20th, 2015 to the following address:

   Akron SPE
   Attn: Kevin Cavicchi
   250 S. Forge St
   Akron, OH 44325-0301

   For questions, please contact Kevin Cavicchi, phone: 330-972-8368, or email kae58@uakron.edu
Election to the **Plastics Hall of Honor** is conferred upon Akron area men and women who meet the following criteria:

1. Displayed exceptional effort and accomplishment in the field of Plastics, and Polymers.
2. Displayed extraordinary dedication over many years that has contributed to the growth of the plastics industry.
3. Has not received national or international recognition.

The **Plastics Hall of Honor** seeks to recognize individuals for their quiet service, loyalty, and support over the years. They are the unsung heroes, the everyday foot soldiers of our industry - area employers, employees, and educators whose accomplishments are lacking only in recognition.

If you personally know such a deserving candidate, please forward your nomination to the selection committee, using this or any mailer.

Name of Nominee (include title) _________________________________________________________________

Address ___________________________________ Phone No. ___________________ City __________ State ___________________ Zip code _________________

Present affiliations (Plastics, including dates and positions held) ________________________________________________

Former affiliations (Plastics, including dates and positions held) _____________________________________________________

Specific contributions (Patents, publications, etc. to plastics industry) _________________________________________________

Related Plastics activities (Clubs, Organizations) _________________________________________________________________

Brief statement supporting the candidate (Attach additional pages, if necessary) _________________________________________

Membership in SPE not required to Nominate or to be Nominated

Name of Nominator ________________________________ Signature _______________________________________

Address ________________________________________ Phone _________________________________________

**PLEASE MAIL THIS FORM TO ARRIVE BY APRIL 24, 2015 to:**

Bob Wegelin  13206 Kaufman Ave. NW    Hartville, OH 44632

PHONE: 330-414-1498

E-mail questions to robert.wegelin@attl.net

*Nominate a co-worker, employer, teacher, media person, leader, or any unsung hero who deserves this honor!*

Honorees will be installed in the Plastics Hall of Honor at the Annual SPE awards night 2014.

Their names and photographs will be displayed in the Plastics Hall of Honor within the University of Akron.

*Nominate a co-worker, employer, teacher, media person, leader, or any unsung hero who deserves this honor!*
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Signature  Date

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☐ Maine/New Hampshire/Penobscot Valley
☐ Mexico-Centro
☐ Michigan-Detroit
☐ Michigan-Mid Michigan
☐ Michigan-Western Michigan
☐ Missouri
☐ Mississippi
☐ Nevada
☐ New Jersey-Palisades
☐ New York
☐ New York-Rochester
☐ North Carolina-Piedmont Coastal
☐ Ohio-Akron
☐ Ohio-Cleveland
☐ Ohio-Miami Valley
☐ Ohio-Toledo
☐ Oklahoma
☐ Ontario
☐ Oregon-Columbia River
☐ Pennsylvania-Lehigh Valley
☐ Pennsylvania-Northwestern Pennsylvania
☐ Pennsylvania-Philadelphia
☐ Pennsylvania-Pittsburgh
☐ Pennsylvania-Susquehanna
☐ Puerto Rico
☐ Quebec
☐ South Carolina
☐ Spain
☐ Taiwan
☐ Tennessee-Smoky Mountain
☐ Tennessee Valley
☐ Texas-Central Texas
☐ Texas-Lower Rio Grande Valley
☐ Texas-North Texas
☐ Texas-South Texas
☐ Tri-State
☐ Turkey
☐ United Kingdom & Ireland
☐ Upper Midwest
☐ Utah-Great Salt Lake
☐ Virginia
☐ Washington-Pacific Northwest
☐ West Virginia-Southwest Ohio
☐ Western New England
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☐ Failure Analysis & Prevention - 022
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☐ Nano/Micro Molding - 023
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☐ Plastic Pipe & Fittings - 021
☐ Plastics Educators - 018
☐ Plastic in Building and Construction - 027
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