

Polymer Valley News

The Newsletter of the Akron Section of the Society of Plastics Engineers
Our 52nd Year of Education and Service to the Plastics Industry

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Costs, Schedules, Reservations

Member	\$25.00
Guest and Member	\$50.00
Retiree	\$20.00
Student	\$15.00

Cash bar	5:15 p.m.
Dinner	6:00 p.m.
Program	following dinner

Contact Mark Holtman on or before
Apr. 15 - 330/972-6008
holtman@uakron.edu

Vegetarian dinner can be accommodated -
let me know when making reservation

Technical Meeting

Monday, April 19, 2010
5:15 p.m.

Martin University Center
105 Fir Hill Street
East Side of University of Akron Campus

Technology Commercialization

By Alan E. Robbins
Bright Idea Shops LLC



An overview of the process flow of moving technology to commercialization; intellectual property assessments, bottlenecks and possible solutions.

Coming Up:

- Next meeting – May 10 – Awards Night
- Board meeting – Apr. 5, 2010, 5:30 p.m. Polymer Eng. Center Conference Room

See page 2 for
Mr. Robbins' biography

Apr. 2010, Page 1



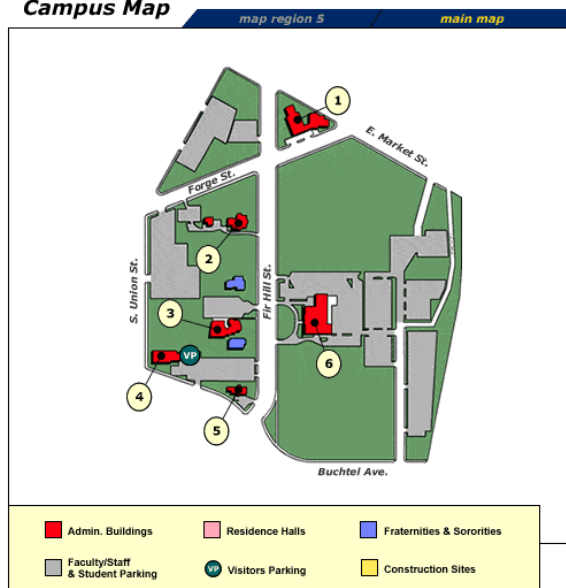
Map to Martin University Center 105 Fir Hill Street Akron, Ohio

Directions: Exit Ohio 8 at Buchtel Street (between Central Interchange with I-76/ I-77 and the high bridge). Go West one block to Fir Hill and turn North. Parking lot is on the north side of Martin University Center.

If the ramp from 76/77 to Route 8 is still closed, traffic from the West should use the Route 59 detour, exit at Cascade Plaza and come up Mill Street past the APTC to Forge and then Fir Hill.

You may zoom in

Campus Map



Biography of Speaker Alan Everitt Robbins

B.S. Miami University, Oxford, Ohio 1969
Current Founder and President, Bright Idea Shops, LLC, a start-up company founded in June 2009 to provide an internet marketing solution to bring new ideas to market.

Founder, The Plastic Lumber Company, Inc.
Founder and Past President, Plastic Lumber Trade Association

Member, Society Plastic Engineers, Recycling Division

Past Member, American Society for Testing and Materials (ASTM)

Co-Chair, D20.20.01 Plastic Lumber and Shapes, Test Methods Task Group

Member, Miami University, Thomas C. Page Center for Entrepreneurship, Advisory Council
Member, University of Akron, College of Polymer Science & Polymer Engineering, Advancement Council

Federal Award Recipient, May 1998, Federal Laboratory Consortium for Technology Transfer
Past Member, Ohio Department of Natural Resources, Division of Recycling and Litter Prevention Advisory Board

Past Member, Ohio Industrial Technology and Enterprise Advisory Council, Governor Appointed

Founding Trustee, Ohio Polymer Enterprise Development, Inc.

Past Chairman of the Board, National Multiple Sclerosis Society, Northeast Ohio Chapter

Past President, Miami University Alumni Association

Student Chapter Report

January - February 2010

PESO has organized 2 seminars in coordination with the Dept. of Polymer Engineering, "Conformations of Molecular Brushes: From Flory Theorem to Finger Instability" by Dr. Andrey Dobrynin of University of Connecticut on the 29th of January 2010, and a talk by Roger Avakian from PolyOne Corporation on the 5th of February 2010. PESO also organized a trip for students of the Department to attend a seminar on "Energy and Charge Transport in Self-Assembled Systems for Solar Energy Conversion" by Dr. Michael Wasielewski of Northwestern University at Case Western Reserve University, Cleveland on the 28th of January, 2010.



Membership Report

Akron had 6 new members join in February. Our membership number is at 306.

Membership chair, Reza Sadeghi

New Member - Say "hello and thanks for joining" if you know the following:

Roy Sayantan, University of Akron
Zhao Wei, University of Akron
Steven Hyden, GE
Matt Augustin, University of Akron
Daniel Kazousky, Medrad
Diya Bandyopadhyay, University of Akron

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Jim Williamson, Eastern Regional Sales Manager
Phone 330-284-0600; Fax 330-365-3987;
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Akron Polymer Training Center



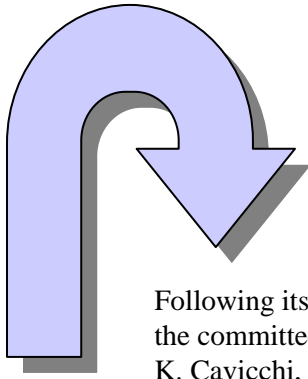
The Akron Polymer Training Center is committed to provide quality training courses for the plastics and rubber industries. Our classes are taught by University of Akron faculty and industry professionals. Visit our website at www2.uakron.edu/aptc for a complete list of our current course offerings.

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.



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.

Lloyd Goettler

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The Akron Section is in need of New Board Members as this year continues. Please consider becoming a Board Member to help support your Section. Contact anyone currently on the board (see page 16) if you are interested.

Thank You!

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~~ Snapshots from March Meeting



"Social Hour"

"Technical Difficulties - While speaker Felipe Guzman (left) and Bob Wegelin (right) look on, Vivian Malpass attempts to get the presentation going. He was successful."

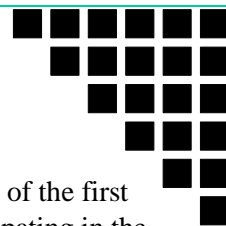


"Speaker Felipe Guzman, Post-Doc Research Associate - University of Akron"



"Dave Schultz (left) and John Woodside"

Councilor's Corner



Hello fellow SPE members.

As the council representative for the Akron Section I have included below some highlights of the first Virtual Council Meeting held on February 19, 2010. Yes, council members are now participating in the Societies council meetings via a remote link utilizing the latest in computer and internet technology. All electronic participants (with the exception of guests) were officially allowed to be seated, vote and fully participate in the meeting. I was one of Fifty-nine Councilors/Proxies and fourteen guests who participated electronically.

SPE ended December with 14,500 members. The membership total for month end January was 14,750. The goal is to halt membership declines, grow membership to 16,000, and kick-start a new member-growth cycle. The Council continues to address the decline in membership and focus on growth of our society.

Financial issues were discussed and there will be an annual audit the week of Feb 22nd. As you may know SPE has sold its building and moved its headquarters to save money. When the building sale and associated costs are included, as well as other capital gains/losses, SPE made roughly \$1.395 million last year.

Council approved holding the 2013 Annual Business Meeting in Cincinnati. As ANTEC is held in conjunction with the Annual Business Meeting, Cincinnati will be the site of ANTEC 2013. The next formal Council meeting is scheduled for May 16, 2010, in Orlando, Florida USA.

Respectfully submitted,
Joseph Mattingly
Akron Section Councilor

PolymerOhio Internships

The Third Frontier Internship Program links Ohio students with rewarding internship opportunities that provide hands-on experience within Ohio's private-sector business community. The goal is to build a young talented workforce for the future and assist students in gaining valuable work experience that can lead to permanent full-time employment in Ohio after graduation.

The program will reimburse 50% of each intern's wage up to \$3000 for a 12 month period. Following an intern's graduation, your firm will have the opportunity to offer full-time employment to an individual who is well prepared for a future career with your organization.

Internships may be full-time or part-time at anytime during the year.

The Internship Program is looking for participating businesses that can provide one or more of the following types of internships:

*Advanced manufacturing
Information technology*

*Advanced materials
Instruments, controls and electronics*

*Bioscience
Power and propulsion*

For more information please go to www.polymerohio.org. Roll your mouse over to "careers" in the top menu line to reach the link to the Polymer Ohio Internship Program page. If you are a company or a student, follow the procedures to register at www.ohio3fip.com.

For more information or assistance, call Rich Markham at 614-477-1133 or write to rmarkham@polymerohio.org.



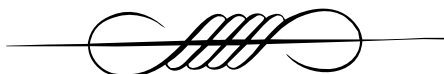
Programs for 2009 / 2010

Sept. 21	New Technology in Polymer Testing Alpha Technologies, H. Pawlowski <i>-- Pizza/Pasta buffet at Alpha</i>	Jan. 18	Water Purification via Reverse Osmosis, Siemens Water, R. Stumm -- <i>Tangier Rest.</i>
Oct. 19	Biopolymers: PLA Property Improvement PolyOne Corp., R. Avakian <i>-- Martin Center</i>	Feb. 15	Recent Developments in Organic Photovoltaics, Polymer Engineering Dept., U of Akron, Prof. A. Karim <i>-- Martin Center</i>
Nov. 16	Recent Medical Applications for Plastics, PolyOne Corp., L. Johnson PMC Smart Solutions, P. Cashen CleveX, Inc., C. Haavista <i>-- Martin Center</i>	Mar. 15	Coal and Coal Gas Fuel Cell Technology, Chemical Engineering Dept., U of Akron, Prof. S. Chuang <i>-- Martin Center</i>
Dec. 14	Holiday Gathering and Presentation Alternative Sources of Electric Power Generation, First Energy Corp., T. McDonnell and D. Plusquellic <i>-- Sheraton Suites, Cuyahoga Falls</i>	Apr. 19	Technology Commercialization, Bright Idea Shops LLC, A. Robbins <i>-- Martin Center</i>
		May 10	Awards Night <i>-- Raintree CC</i>

2009 meetings are joint with Cleveland Section, all on Mondays at 5.30 pm unless otherwise stated.

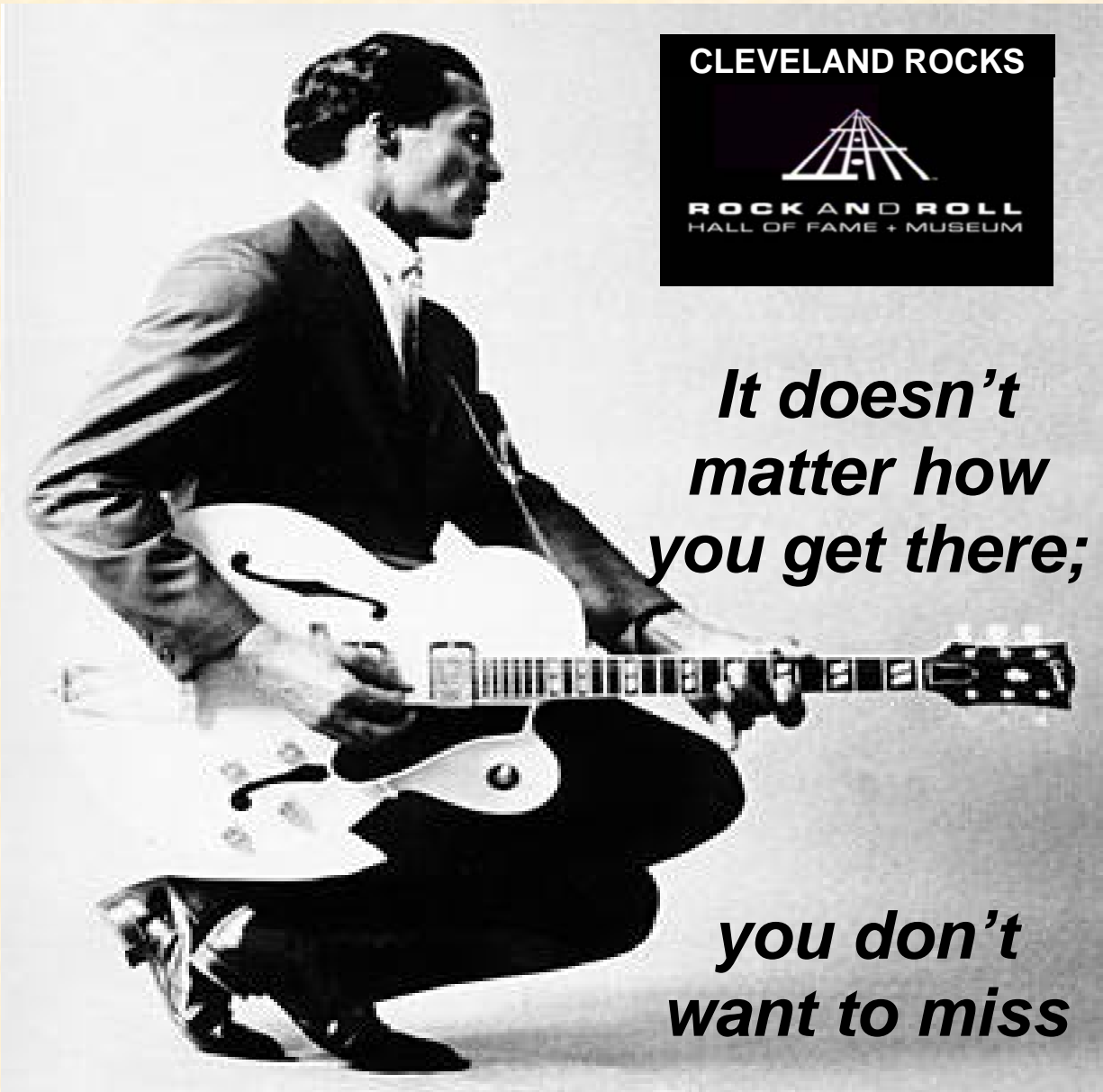
Akron Section SPE Past Presidents

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excellence*



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





*It doesn't
matter how
you get there;*

*you don't
want to miss*

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April 11th, 12th, & 13th, 2010

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April 11th, 12th, & 13th, 2010.

Sunday **“Meet Your Friends Reception”**
Drinks and Hors d’ Oeuvres 5-7pm
(included in your registration)

Registration:

	By March 22nd	After
SPE Members	\$425.00	\$490.00
Nonmembers*	\$535.00	\$600.00
* 1 Year SPE Membership Included! Regular membership \$144.00/yr.		
Students	\$190.00	\$200.00

A Sunday reception, special industry guest speakers, two full days of technical paper presentations, a mini rotomolding trade show, and meals are included in your registration.

TABLETOP EXHIBITS

A limited number of 6 ft. tabletop exhibits are available for products and services.

	By March 22nd	After
Members	\$675.00	\$740.00
Nonmembers*	\$785.00	\$850.00

*** 1 Year SPE Membership Included!**
Regular membership \$144.00/yr.

Tabletop exhibits include 1 registration. Exhibit setup Sunday 2 - 4 PM - All meals and breaks are held in the exhibit area.

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Sponsors for breakfast and breaks are available in three levels:

Platinum Sponsors	\$600.00
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Free shuttle service to the hotel from Cleveland Hopkins Airport is available.

While in Cleveland visit
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For trade show table reservations and more information on TopCon 2010 contact, Bruce Muller, TopCon Chairman, at Plastics Consulting, Inc, PlasticsC@aol.com 1-772-781-6699



REGISTRATION FORM

Rotational Molding TopCon 2010
“Cost Effective Technology for Today”
April 11th, 12th, & 13th, 2010

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PHONE: _____ FAX: _____ EMAIL: _____

Registration: includes Sunday Reception, two full days of technical presentations, mini rotational molding trade show, and meals.

	By March 22nd	After March 22nd	Amount
SPE Members	\$425.00	\$490.00	_____
Nonmembers*	\$535.00	\$600.00	_____
<i>*1 Year SPE Membership Included! Regular membership \$144.00/yr.</i>			
Students	\$190.00	\$200.00	_____
Tabletop Exhibits			
SPE Members	\$675.00	\$740.00	_____
Nonmembers*	\$785.00	\$850.00	_____
<i>*1 Year SPE Membership Included! Regular membership \$144.00/yr.</i>			
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Gold sponsor	\$300.00		_____
Silver sponsor	\$200.00		_____
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Dept. of Technology, Bldg. AT131
Muncie, Indiana, USA 47306
Or register online at: www.rotomolding.net
Conference registrations are non-refundable after April 2, 2010.



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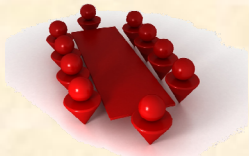


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Roy Crawford-University of Waikato
Barry Aubrey



2010 TopCon Committee



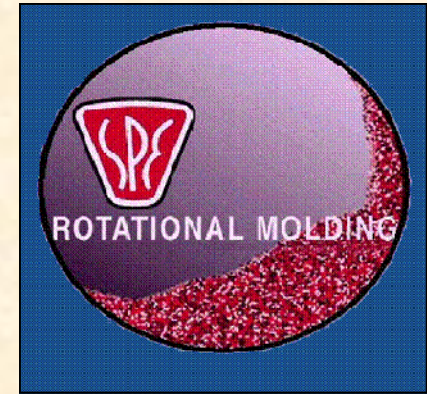
Bruce Muller	TopCon Chair
Barry Aubrey	Program / Raffle Chair
Rex Kanu	Treasurer / Registration
Michael Gehrig	Marketing
Greg Stout	Committee
Glenn Beall	Committee
Hank White	Committee
Patsy Beall	Registration
Sheri Muller	Registration

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CONFERENCE PROGRAM



Rotational Molding
TopCon 2010
*"Cost Effective
Technology for Today"*

The Holiday Inn
Conference Center
(Cleveland South)
Independence, Ohio

April 11th, 12th, & 13th, 2010

Produced by the Rotational Molding Division
of the Society of Plastics Engineers

Advance program-subject to change.

Sunday, April 11th

Preconference Agenda:

12:00-5:00: *Registration Open*

12:00-2:00: *RMD Board Lunch Meeting*

2:00-4:00: *Exhibit Setup*

Welcome

Sunday 5-7pm

“Meet Your Friends Reception”

Drinks and Hors d’ Oeuvres

Welcome Speech by Bruce Muller

7:00– *Dinner on your own*

Monday April 12th

Session 1:

Rotational Molding Design

08:00-9:00: **Breakfast**

09:00-9:15: **Introduction**

Bruce Muller, Plastics Consulting, Inc.

Barry Aubrey, Ashland Distribution

09:15-9:30: **The Importance of Product Design**

Moderator: Glenn Beall,

Glenn Beall Plastics

09:30-10:30: **Design and Rotational Molding**

Keynote Speaker:

Michael Paloian, Integrated Design

10:30-10:45: **Break in Exhibit Area**

10:45-11:15: **Designing Vertical Tanks**

Jon Ratzlaff, Chevron Phillips

11:15-11:45: **Industrial Design and the Future of Rotomolding**

Warren Ginn, Ginn Design, LLC

11:45-12:15: **Part Design Details**

Larry Schneider, Schneider Plastics, Inc.

12:15-12:45: **Innovative Roto Design Case Study**

Tom Moyak,

Pennsylvania State University, Erie

12:45-2:15: **Lunch in Exhibit Area**

Session 2:

Rotational Molding Materials

2:15-2:30: **Materials, Past, Present, and Future**

Moderator: Rob Donaldson,

Nova Chemical, Inc.

2:30-3:30: **Materials Today and Tomorrow**

Keynote Speaker:

Jim Braeunig, Hedstrom Plastics

3:30-4:30 **Powder Quality, Mixing, Colorants, Proper Venting, and QC**

Bruce Muller, Plastics Consulting, Inc.

4:30-4:45: **Break in Exhibit Area**

4:45-5:15: **Does Recycled PE Stand Up to the Challenge?**

Steve Copeland, Jericho Plastics

5:15-5:45: **The Effects of PE Powder**

Characteristics in Rotomolding

Jessica Fisher,

Pennsylvania College of Technology

5:45-6:00: **Announcements and Adjourn**

6:00-7:00: **Reception in Exhibit Area**

7:00- **Dinner and Awards in Exhibit Area**

Host: Hank White, RMD President

Introductions: RMD Officers, Board, and Committee

Review Future Schedule

Review Today’s Committee Efforts

Tuesday, April 13th

Session 3:

Rotational Molding Equipment /Tooling

07:30-08:30: **Breakfast**

08:30-08:45: **Equipment; Yesterday, Today, and Tomorrow**

Moderator:

Terry Gillian, Paladin Sales, LLC

08:45-09:45: **Interface Between Equipment, Design, and Marketing for Rotomolding 2010 and Beyond**

Keynote Speaker:

Bob Dunne, Meese Orbitron Dunne

09:45-10:15: **Is There Science in Pulverizing?**

Cheryl Wilson, Brunk Corp.

10:15-10:30: **Break in Exhibit Area**

10:30-11:00: **Prototyping for Rotational Molding**

Derek Ellis, Met-L-Flow

11:00-11:30: **5 Axis Router in Rotational Molding**

Daren Balderson, Trilogy Plastics

11:30-12:00: **Designer Options That Can Make Tooling Less Expensive and Shorten Lead Time**

Randy Johnson,

Diversified Mold and Casting, Inc.

12:00-1:30: **Lunch in Exhibit Area**

1:30: **Exhibits Closed and Break Down**

Session 4:

Rotational Molding Processing

1:30-1:45: **Where are we in processing?**

Moderator: Barry Aubrey,

Ashland Distribution

1:45-2:45: **Rotomolding’s Low-Cost Effectiveness: A Dichotomy?**

Keynote Speaker:

Paul Nugent, MNOP Consulting, Inc.

2:45-3:15: **Internal Heating and Cooling**

Sandy Scaccia,

Norstar Aluminum Molds, Inc.

3:15-3:30: **Break**

3:30-4:00: **The Effects of Rotation Speeds and Ratios**

Dru Laws, Chroma Corp.

4:00-4:30: **Methods for Process Control**

Datapaq

4:30: **Raffle**

4:40: **Conference Adjourned**



Minutes of Board Meeting – March 1, 2010

Call to Order: 5:30 PM at University of Akron - PEAC.

Present: Vivian Malpass, Bob Wegelin, Mark Holtman, Dave Schultz, Chaitanya Pratiwada and Tony Dean

Absent: Kevin Malpass, Sadhan Jana, Gary Taylor, Kevin Cavicchi, Lloyd Goettler, Joe Mattingly, Dave Katz, Steve Pastor and Reza Sadeghi

Visitors: Student VP- Tom Sutter- welcome both Chaitwada and Tom to our meeting- due to class schedule difficult to make meetings for 2009/10

Secretary: David Schultz

- Minutes of February 1, 2010 meeting reviewed and approved.

President: David Katz

- Dave not present - Secretary ran meeting in his place.

- Action items in progress:

- Review request of Vinyl Div to hold RETEC in Akron-2013 – Viv Malpass to inform Vinyl Chair-Rob Weiler.

- Ideas for higher visibility ie postcard etc.

President-Elect: Lloyd Goettler

- Lloyd will begin planning program for 2010/2011 year. He will try to get speakers with more name recognition.

Past President: Joe Mattingly - No report.

Director: Lloyd Goettler - No report.

Treasurer: Gary Taylor - No report.

Councilor: Joe Mattingly - No report.

Hall of Honor: David Katz

- Digital picture frame will be placed on wall in Polymer Science Building in a protective enclosure.

- Dave Katz reported continue to work with Sarah Thoroley at PEAC to obtain a suitable enclosure and lettering.

Polymer Ambassador Program: Vivian Malpass - No report.

Newsletter: Tony Dean

- March newsletter has been published.

- Tony plans to consider addition of Employment opportunities.

Membership: Reza Sadeghi - No report.

Newsletter Advertising: Tony Dean

- \$1,575 has been sold- portion paid continuing to get new advertisers for the 2009/2010 year.

- Efforts to get new advertisers have failed thus far; still trying.



Minutes of Board Meeting – March 1 (cont.)

Website/Public Interest: Tony Dean

- Tony Dean reported that website has been updated with the latest announcements and photographs.
- March 15 meeting announcement will be in Akron Beacon Journal (Business Section). The announcement also placed on the PolymerOhio website.
- BOD/Tony Dean has now decided to contact International for Guidance re website modification and also determine thoughts on Employment information on site too. Committee consists of Joe Mattingly, Dave Katz and Tony Dean. Students are also being considered to help. Mark Holtman to check with Univ of Akron- Computer Classes and Summit College.

Program: Viv Malpass and Lloyd Goettler

- Program is set for March 15-Fuel Cells; April 19- Commercial Technology- Alan Robbins- need to confirm; May 10-Awards at Raintree.

Student Chapter: Chaitanya Pratiwada

- Chaitanya reported that Student Chapter has filed Feb 20th Student Chapter Award.
- Students have hosted several Seminars this year with guest speaker from- PolyOne- Roger Avakian and Tour of Avon Lake Plant.
- Planning Resume writing seminar March 3- Univ. Of Akron.
- ANTEC- Orlando 7 students plan to attend.
- Interest in helping new Akron Middle School- Inventure Place location.

Education Committee: Kevin Cavicchi

- Kevin reports that he has recently judged Essays from local High Schools- Copley and North Canton-Middle School with Copley High student sent to International Contest- need copy Essay for Newsletter.
- Attended Science Night -Buchtel HS.
- Plans are in place to judge a few upcoming Science Fairs.

Education Foundation: Bob Wegelin

- Bob reports Scholarships will soon be reviewed for school year 2010/2011, planning meeting for March 2010.

House: Mark Holtman

- Mark reported that eight people are signed up March 15 Meeting.
- Mark reports all set for next 2 meetings at Martin Center, will follow on details for Awards at Raintree.

TPE TOPCON: Viv Malpass

- 37 abstracts received, goal of 26 papers- now set Program with 31 Papers based on Abstracts.
- Vivian and Technical Program Committee in process of obtaining Keynote Speakers.
- TOPCON Committee will meet on March 3.

Old Business: D&O Insurance for Akron SPE Section - Lloyd Goettler to re-address.

New Business: None.

Closing Comments: Meeting was adjourned at 6:45 p.m. The next meeting of the Akron SPE Board of Directors will be Monday, April 5, 2010 at the Akron Univ. Polymer Engineering Center starting at 5:30 p.m.



Akron Section Board of Directors

David Katz President	330-310-0156 T katzjeep@yahoo.com
Lloyd Goettler <i>Retired</i> President/Chair-elect	330-666-5180 T goet30@aol.com
Dave Schultz <i>Harwick Standard Dist. Corp.</i> Secretary	330-798-6535 T 330-798-9328 F schultzd@harwickstandard.com
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Joe Mattingly Past-President, Councilor, Akron SPE Website Renewal	330-962 5299 T jsmatting@aol.com
Vivian Malpass <i>Tek-Mark International</i> Prior Past-President, Conf., TOPCON 2010	330-342-1120 T 330-342-1134 F vivian.malpass@tek-mark.com
Chaitanya Pratiwada <i>Student - U Akron Polymer Engineering</i> Student Chapter President	330-780-6415 T 330-258-2339 F chaitanya.pv@gmail.com
Bob Wegelin <i>Retired</i> Director, Education Foundation	330-414-1498 T robert.wegelin@sbcglobal.net
Kevin Malpass <i>Diebold, Inc.</i> Director	330-490-4743 T 330-490-4788 F kevin.malpass@diebold.com
Sadhan Jana <i>U Akron Polymer Engineering</i> Director, Student Chapter Advisor	330-972-8293 T 330-258-2339 F janas@uakron.edu
Tony Dean <i>Retired</i> – Director, Public Interest, Website Manager, Newsletter Editor, Newsletter Advertising	330-929-9916 T francis@neo.rr.com
Reza Sadeghi <i>A. Schulman</i> Director, Membership	330-630-7108 T 330-630-3349 F reza_sadeghi@aschulman.com
Kevin Cavicchi <i>U Akron Polymer Engineering</i> Director, Education	330-972-8368 T 330-258-2339 F kac58@uakron.edu
Mark Holtman <i>U Akron Polymer Engineering</i> Director, House	330-972-6008 T 330-258-2339 F holtman@uakron.edu
Lloyd Goettler <i>Retired</i> – Director, Section Renewal	330-666-5180 T goet30@aol.com
Steve Pastor <i>The Technology House, Ltd.</i> Director	440-248-3025 x120 T 440-248-3882 F steve@tth.com
Jenny Digiantonio <i>ExxonMobil Chemical</i> Newsletter	330-849-5166 T 330-849-5599 F jenny.digiantonio@exxonmobil.com

Contacts at SPE INTERNATIONAL

13 Church Hill Road
Newtown, CT 06470
Phone: 203-775-0471 • Fax 203-775-8490
Web: www.4spe.org
all phones in area 203 - all e-mail @4spe.org

NAME / Function	e-mail / phone
Daniel J. Domoff Managing Editor	djdodomoff 740-5429
Lesley Kyle Sr. Event Manager	lskyle 740-5452
Tobi Gebauer Senior Manager, Membership	tgebauer 740-5457
Tricia McKnight Senior Liaison, Leadership Services Section, Division, SIG, Student Chapter Admn.	tmcknight 740-5430
Gail R. Bristol Managing Director, Foundation	grbristol 740-5447
Elizabeth Regan Online Technical Program Coordinator	ereagan 253-1368
Susan Oderwald Executive Director	seoderwald 740-5471
Peter Boergermann Technical Program Coordinator	pboergermann 740-5472
Bonnie Kaczowski Customer Relations Manager Membership	bakaczowski 740-5428
Tom Conklin Sr. Manager, Marketing	tconklin 740-5453

Technical Assistance Initiated On Akron SPE Web Site

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



Akron Section Society of Plastics Engineers Educational Foundation



1-10

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 twelve years that the foundation has been in existence, it has provided scholarships to over 210 young men and women totaling in excess of \$275,000 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*, *Omnova*, *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 donation at our Awards Night, which is scheduled in May.

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, Chairman

Akron Section Society of Plastics Engineers, Educational 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
	Awards	Outstanding contributions recognized	www.4spe.org/awards
	Leadership Development	The opportunity to improve professionally & personally	www.4spe.org/communities/leadership
	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?



Akron Section Society of Plastics Engineers
Tony Dean, Advertising Manager
330-929-9916

Insertion Order 2009-10

Polymer Valley News: Akron Section SPE Newsletter
Delivered via email, stored at <http://www.akronspe.org/newsletter.htm>

Please check ad size wanted. One column is 3-7/8" wide.

This is the 51st year of the Akron SPE Section and rates are for entire season, September 2009 – Summer 2010. **Payable in Advance. Please let me know if you need an invoice.**

Ad format must be electronic (but we can scan your original artwork). File size should be limited based on the size of the ad ordered. Oversized ads will be charged an additional fee. Acceptable formats are .bmp, .pcx, .jpg, .tif, .gif, or MS PowerPoint or Word (if you have any issues with format, please email us and we can provide assistance). **Color is Free! Color helps your ad stand out!**

Email artwork and this Insertion Order (completed) as an attachment to francis@neo.rr.com

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

(please X)	Ad Size	Dimensions	Price for year
	Business Card	One column by 2" high	\$200
	Double	One column, 2 to 4" high	\$300
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	Half Page	One column, 10" high	\$500
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	Hotlink to company website	N/A	\$75 / year

The cost on a per issue basis will be calculated by dividing the "Year" price by 10

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Akron Section SPE
c/o Tony Dean
Akron SPE
P.O. Box 1417
Akron, OH 44309



Society of Plastics Engineers Membership Application

P.O. Box 403, Brookfield, CT 06804-0403 USA
Tel: +1 203-740-5403 Fax: +1 203-775-8490
www.4spe.org

European Member Bureau
Eric Sasselaan 51, BE-2020 Antwerpen, BELGIUM
Tel: 32 (0)3 541 7755 Fax: 32 (0)3 541 8425 www.speurope.org

Applicant Information

Name: first last mi		Gender: <input type="checkbox"/> Male <input type="checkbox"/> Female	
Company Name and Business Address (or College): company/college: job title: address: address: city: state: zip: country:		Birth Date: (mm/dd/yyyy)	
Phone/Fax Format: USA & Canada: (xxx) xxx-xxxx All Others: +xx(xx) x xxx xxxx		Demographics	
Work Phone: Fax:		Job Function (choose only one) <input type="checkbox"/> Consulting <input type="checkbox"/> Purchasing <input type="checkbox"/> Design <input type="checkbox"/> Quality Control <input type="checkbox"/> Education (Faculty) <input type="checkbox"/> R & D <input type="checkbox"/> Engineer <input type="checkbox"/> Retired <input type="checkbox"/> General Management <input type="checkbox"/> Self-Employed <input type="checkbox"/> Manufacturing <input type="checkbox"/> Student <input type="checkbox"/> Marketing/Sales <input type="checkbox"/> Tech Support <input type="checkbox"/> Other	
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