

The Newsletter of the Akron Section of the Society of Plastics Engineers Our 50th Year of Education and Service to the Plastics Industry

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Costs, Schedules, Reservations

Member	\$25.00
Guest and Member	\$45.00
Retiree	\$20.00
Student	\$15.00
Tour	5:30 p.m.
Presentation	6:00 p.m.
Dinner and program to	follow

Contact Bob Wegelin on or before March 19 - 330/414-1498 robert.wegelin@sbcglobal.net



Technical Meeting



Monday, March 23, 2009 5:30 p.m.

Lockheed Martin

1210 Massillon Road Akron, Ohio 44315 (330) 796-4712 **Guy's Party Center** 500 East Waterloo Road *Akron, Ohio* 44319

LOCKHEED MART

Lockheed Martin takes Akron to New Heights

Clark Reed, Chief Technologist

Lockheed Martin Corporation has continued the heritage of building airships in Akron that began with the Goodyear Tire & Rubber Company back in the 1920's and 1930's. Clark Reed will take us back in time to look at the history of the Akron Airdock and the Lighter-Than-Air (LTA) vehicles built in this unique structure. From this historical perspective, Clark will also present Lockheed Martin's current activities in the development and fabrication of Lighter-Than-Air vehicles including the newest vehicle called the High Altitude Airship. Designed to fly higher than any of the previous airships, this vehicle presents new and unique challenges in material technology which will also be presented.

> See page 3 for Mr. Reed's biography

 Next meeting – Apr. 29, 2009
 Board meeting – Mar. 2, 2009, 5:30 p.m. at SteerAmerica

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Fellow SPE members.

It has been a cold and snowy February, and I'm looking forward to our Akron Section activities in March. I'm especially thinking about our upcoming tour of Lockheed Martin, and the presentation by Clark Reed, "Lockheed Martin takes Akron to New Heights". As most of you know, this is a part of our 50th anniversary celebration for the Akron Section.

I'm also anticipating our next month's 50th Anniversary Gala Night celebration at Firestone Country Club. Here we plan to celebrate the 50 years of our Section's participation and involvement with SPE. I'm looking forward to seeing as many of our members as possible, including many past board members and past presidents of our Section. So many from our membership have contributed to our Section's success over the years and we want to make sure we recognize and appreciate those efforts.

Please come and participate in our once-in-a-lifetime celebration, and reconnect with your fellow SPE members.

Sincerely, Joe Mattingly, President Ashland is North America's leading distributor of thermoplastic materials. Our supply chain includes the world's leading plastics producers. BASE The Akron Section is in The Chemical Company The miracles of science~ need of New Board Members Ex/onMobil **Bayer MaterialScience** as this year continues. Chemical Please consider becoming a basell **Board Member to help** support your Section. Material Selection Assistance **Contact anyone currently** Local Inventory on the board (see page 13) Dedicated Fleet Packaging Options if you are interested. Thank You! For more information, contact your local sales representative 1-800-531-7106 or visit us on the web at: www.ashland.com Ashland is committed to the continuous evolution of technology and service solutions that promote health safety and environmental protection around the world. © Copyright 2007. Ashland * Responsible Care is a registered service mark of the American Chemistry Council. the Canadian Chemical Producers' Association and of other entities in other countries

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Mr. Clark G. Reed Biography of Speaker

Clark G. Reed is the Chief Technologist at Lockheed Martin Maritime Systems and Sensors in Akron. In this position, he is responsible for overseeing the business unit's advanced technology development activities including protection of intellectual property and patent activities and advancement of company-funded research and development programs. Mr. Reed was named to his current position in 2008. He previously served as the Director of Technical Operations, Director of Technology and Processes and Director of Systems Engineering, in addition to numerous other engineering managerial positions. In these positions, he directed



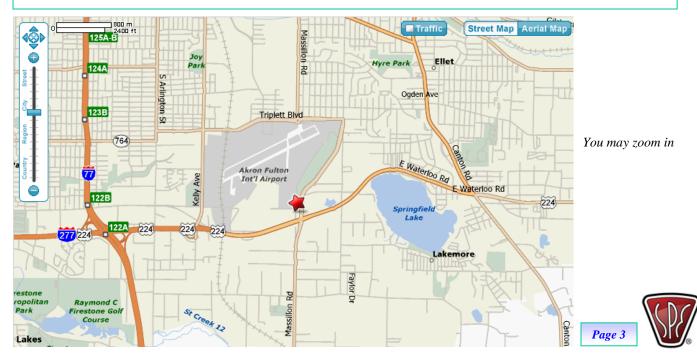
the work of electrical and mechanical engineers, physicists and mathematicians, guiding them toward the business area's objectives through company-funded research and development projects and government contracts. He is a co-inventor of a patent entitled "Optical Image Correlator Tracking Filter Circuit" and has also coauthored numerous papers.

Mr. Reed graduated from The Ohio State University, Columbus, Ohio with a Bachelor's degree in Electrical Engineering, and has earned a master's in Electrical Engineering in Akron, Ohio from the University of Akron along with completing course work towards a Ph.D. in the same field. He maintains a close relationship with both universities serving on the Industrial Advisory Board for the Electrical and Computer Engineering department at The Ohio State University and the College of Engineering Alumni Board and the Women in Engineering Advisory Board at the University of Akron.

Mr. Reed and his wife, Gail, live in Greentown. They have five grown children and five grandchildren.

Map to Lockheed Martin 1210 Massillon Road, Akron, OH 44315-0001

The tour will gather at the south end of the airdock (off of Waterloo Road). There is sufficient parking inside the gate. Guests should drive through to the airdock. Do no park at the Main Entrance (east of the campus) as you will NOT be permitted to walk through the buildings to the airdock.



Map from Lockheed to Guy's Party Centre

Start out going South on Massillon Road toward E Waterloo Rd/US-224 W. 0.1 mi. Turn Right onto E Waterloo Rd/US-224 W. Continue to follow US-224 W. 0.9 mi. Take the Kelly Ave ramp toward Waterloo Rd. 0.2 mi. Turn Right onto Kelly Ave. Turn Left onto E Waterloo Rd. 1.3 mi. End at 500 E Waterloo Rd Akron, OH 44319-1223





Map to Guy's Party Centre 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, Barberton)

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.

See map at left.

Polymer Analysis Services



~~ Save the Date ~~

April 29, 2009 50th Anniversary Gala Night to be held at *Firestone CC*



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.

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

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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.

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PURCHASE VISA



Programs for 2008 / 2009

Sept. 22	From Crude Oil to Polymers	Jan. 26	Ferriot – A Progressive Injection
1	ExxonMobil Chemical, S.J. Holmes		Molder, Ferriot Inc., Tour,
	Tangier		Gordon Corky Keeler
	1000300		Guy's Party Centre
Oct. 27	A Schulman—A Global Company		
	A Schulman Technical Center,	Feb. 23	Moldmaking for Today and
	Tour, Joe Ocampo		Tomorrow, Fremont Plastic Molds,
	Royal Buffet		Daryle Damschroder
			Martin Center
Nov. 24	Polymers at the University of	Mar. 23	Lockheed Martin takes Akron to
1101121	Akron—Past, Present and Future,	101411 20	New Heights, Lockheed Martin,
	Frank Kelley, Miko Cakmak,		Tour, Clark Reed
	Sue Louscher, Sadhan Jana		Guy's Party Centre
			Guy s Furty Centre
	Martin Center	A	50th American Cala Nicht
		Apr. 29	50 th Anniversary Gala Night
Dec. 15	Holiday Social		Firestone CC
	Tangier		
		May 18	Awards Night Raintree CC

The Akron Polymer Training Center Congratulates The Akron Section of SPE!



Thank you for providing outstanding service to the plastics industry for 50 years. We wish you continued success!

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.



Akron Section SPE Past Presidents

50 years of excellence

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
1970-1971	Robert G. Hills
1971-1972	John J. Satterfield
1972-1973	Alexis M. Gross
1973-1974	Francis J. Maurer
1974-1975	Leverett A. Anderson, Jr.
1975-1976	Robert M. Hershey
1976-1977	Richard L. Fleshman
1977-1978	David Curtis
1978-1979	John A. Zelek, Jr.
1979-1980	Gerald W. Whitnable
1980-1981	Kathleen N. Bechter
1981-1982	Victor E. Giuffrida
1982-1983	James Steiner

1983-1984 1984-1985 1985-1986 1986-1987 1987-1988 1988-1989 1989-1990 1990-1991 1991-1992 1992-1993 1993-1994 1994-1995 1995-1996 1996-1997 1997-1998 1998-1999 1999-2000 2000-2001 2001-2002 2002-2003 2003-2004 2004-2005 2005-2006 2006-2007 2007-2008 Robert G. Hills Anthony F. Dean, Jr. Gene Buser Harry J. Barth Judith A. Fallon William E. Tosco Robert Wegelin Geraldine R. Stromquist Spencer Keiser Robert Wegelin Tony Dean Wayne Decamp Melanie Stewart Kevin Hershfield Dave Schultz John Raab Gary Taylor Kevin Malpass Ken Sharp Joe Pfeiffer Robert Wegelin Joe Mattingly Lloyd Goettler John Woodside Viv Malpass

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Jim Williamson, Eastern Regional Sales Manager Phone 330-284-0600; Fax 330-365-3987; email: jim.williamson@doverchem.com

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.



Minutes of Board Meeting – February 2, 2009

Call to Order: 5:30 PM. at SteerAmerica. Inc.

Present: Joe Mattingly, Michael Gintert, Dave Schultz, Tony Dean and Vivian Malpass Guest Bill Greenstreet - past Board- help Gala Absent - Kevin Malpass, Sadhan Jana, Kaan Gunes, Reza Sadeghi, Joe Pfeiffer, Lauren Edwards, Alexei Melnikov, Dave Katz, Lloyd Goettler, Gary Taylor and Bob Wegelin

President: Joe Mattingly

- Concern noted for economy and for keeping membership up in Akron by continuing to create VALUE.
- Noted January Tour -Ferriot- very well attended- appreciate Cleveland's attendance and involvement !!

- Concern for Communication and follow up for all items re Hall of Honor- Education Awards- need help-Special Merit and Scholarships-Michael Gintert/Bob Wegelin, Essays- D. Schultz and Science Fairs- Student Chapter.

- NEED Board help for Hall of Honor Activities and support for Gala Night.

- Joe confirmed Engineering Week- February.

Past President: Viv Malpass

- Viv reports and reviews with Board- Program for Gala Night set for Firestone CC-Sponsor-Steer America currently working closely with other key Board members in process of obtaining contact info for active Past Presidents for input for presentation.

- Viv to contact Past Presidents extend invite for Gala Night.

- Board has determined Pen- 50th Anniv as Special Commemorative-plan to order 100- Bill Greenstreet to confirm Joe Mattingly and Gary Taylor.

- Board also approved Lapel Pin- 50th Anniv- SPE- Tony Dean.

- Viv reported that TOPCON Meeting set for Feb 11- still current concern for Sept 09 TOPCON, 9 abstracts to date, large and small companies canceling travel- plan to wait for end of Feb to determine direction to proceed, concern for low draw in Sept 09. Currently appears that will be postponed until Sept 2010.

President-Elect: Dave Katz - No report

- Joe reports that Dave is working on placement at PEAC- Hall of Honor re work of original pictures to digital format with cabinets and lettering.

- Requesting that all work complete on portable picture frames for Gala Night- Past President show.

Treasurer: Gary Taylor - No report. Gary reports year end financials in good standing.

Councilor: Joe Pfeiffer - No report. Joe Pfeiffer needs to confirm availability for June SPE/NPE Meeting. Joe Mattingly would be available as well to attend Council in Chicago.

Secretary: David Schultz. Minutes were approved for January Meeting.

Awards: Hall of Honor

- Joe Mattingly to confirm Host.
- Need to identify a volunteer to work on the display at the next board meeting.
- Alexei Melnikov has forwarded all pictures to David Katz for loading in e-picture frames.

Newsletter: Dave Katz- No report. Need articles from Committees for Feb Newsletter.





Minutes of Board Meeting – February 2 (cont.)

Membership: Reza Sadeghi - No report. Joe/ Reza confirm update Section Membership at 355.

Program and 50th Anniversary: Joe Mattingly/Vivian Malpass

- We are set for the next two meetings for 09- Fremont Plastic Molds- at Martin Center, and Lockheed Martin- confirm speakers and titles and provide bios for newsletter.

- Next Meeting- Martin Center on Monday Feb 23.

- Vivian Malpass confirmed that Gail Bristol of SPE Int'l speaker on the Gala Night.

- Viv confirmed speaker for Awards Night- Dean College of Polymer Science and Engineering -Univ of Akron- Dr. Stephen Cheng.

Student Chapter: Alexei Melinkov -No report.

- Need to confirm status of Award application for Outstanding Chapter for 08-09, suggested review with Kaan and Todd and to check Intl. Website for details.

- Need extra help from Student Chapter in Science Fair judging in Feb/March 09. Alexei to contact Bob Wegelin.

- Polymer Awareness Day in the spring Tentative date April 27, 2009.

- Need to contact schools will work with Carin Helfer at AGPA, plus determine agenda including demonstrations, displays and projects- Need update.

Education Committee: BOARD

- Board Members reported on each of their own status as we help on Education items: Scholarship- Michael Gintert/Bob Wegelin and Essay- David Schultz; Science Fairs- Alexei and Bob Wegelin.

- Need new Education Chair for 09-10.

Education Foundation: Bob Wegelin. Bob confirms that foundation continues to provide Scholarships and Special Merit for 09.

Public Interest / Website: Tony Dean

- Tony Dean reports that website is updated with pictures from latest meetings listing of all 2008-2009 list of officers/directors and 2008-2009 program.

- Kaan still working on new Plastics Projects for website.

Advertising: Dave Katz - No report. Need to contact all advertisers confirm payment and running time for 09, need to get Invoices out.

Fall Golf: No report.House: No report.ACESS: No report.Polymer Ohio: No report.Communications: No report.

Old Business:

- D&O Insurance for SPE AKRON Section. Lloyd reports that he has received info from SPE Intl and another local company- SPE Intl company appears to be best. Joe Mattingly plans to contact Intl to determine if Section needs.

- Employment option- since we do not employee any persons or just D and O.



Minutes of Board Meeting – February 2 (cont.)

New Business:

Spring Golf- Bob Wegelin - Board has decided due to economic status and low interest in past year to cancel Golf Outing this year in May.
Hall of Honor/Zekan- Need candidates for May 09.

Meeting was adjourned at 7:00 pm.

Closing Comments: The next meeting of the Akron SPE Board of Directors will be Monday, March 2, 2009 at SteerAmerica, Inc. starting at 5:30 p.m.



🗿 plastic machinery - Google Search - Microsoft Internet Explorer



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The TPE SIG and the Akron Section of SPE invite the submission of papers for presentation at the 9th TPE TOPCON 2009.

Please submit paper title, abstract, author/presenter name and affiliation to:

Iani Manas, Eaton Corp. 115 Lena Drive Aurora, OH 44202 Tel: 330-562-3847 Fax: 330-562-0925 e-mail: <u>ianimanas@eaton.com</u>

Abstract Deadline: February 28, 2009 Completed Paper Deadline: May 15, 2009

Akron Section Board of Directors

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Kevin Malpass Diebold, Inc. Director

Sadhan Jana U Akron Polymer Engineering Director, Student Chapter Advisor

Tony Dean Retired - Director, Public Interest, Website Manager

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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 250 young men and women, totaling in excess of \$200,000 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 three named scholarships – *Omnova, 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.

We are looking forward to your support of this very worthwhile cause by your fine company. Please contact me at 330-414-1498 or e-mail at robert.wegelin@sbcglobal.net with any questions. Thank you for your consideration.

Sincerely, Bob Wegelin, Chairman Akron Section Society of Plastics Engineers, Education Foundation Committee



SPE MEMBER RENEFITS GUIDE

		SPE WEWDER DENERTIS	SUIDE /	N
	BENEFIT	DESCRIPTION	WEBSITE LINK	$\langle V \rangle$
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MEDIA	Newsletters <i>Plastics Engineering (PE)</i> SPE Online Tech Focus	News & events about specific local & technical affiliations The official monthly publication of SPE Your 24/7 source for Society information Monthly electronic newsletter offering society & industry news	www.4spe.org/communities/newsletters www.4spe.org/pub www.4spe.org www.4spe.org/membercenter	
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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

David Katz, Advertising Manager 330-310-0156

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

This is the 50th Anniversary of the Akron SPE Section and rates are for entire season, September 2008 – Summer 2009. **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!**

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Society of Plastics Engineers Membership Application

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Applicant information			
Name:	Gender: 🛛 Male 🖓 Female		
first last mi	Birth Date: (mm/dd/yyyy)		
Company Name and Business Address (or College):	Demographics		
company/college:	Job Function (choose only one)		
	Consulting Purchasing Design Quality Control		
job title:	□ Education (Faculty) □ R & D		
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zip: country:	Materials (choose all that apply) Composites Polyolefins		
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