



The SPECTRUM

MIAMI VALLEY SECTION
SOCIETY OF PLASTICS ENGINEERS

Vol. 32 No. 6
April 2004

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National Website**

<http://www.4spe.org>

Visit Our Website

<http://www.mvspe.org>

EDUCATION NIGHT WITH ANDY ROUTSIS, PRESIDENT

April 1, 2004

Andy Routsis is the founder and president of A. Routsis Associates, Inc., training and consulting company for the plastics industry. He is currently active in the plastics industry as a hands-on engineer, trainer, and adjunct professor at the University Of Massachusetts Lowell Department of Plastics Engineering.

The premier event for the Miami Valley Society of Plastics Engineers is this meeting. We are gathering to celebrate the Grants being given this evening. Please get your reservations in early, as we always have a good crowd. The SPE is all about supporting our Student Chapters, and as with last month's plant tour of Milacron, we are expecting a good crowd. Please join us to meet the newest grant award winners, and listen to Andy Routsis discussions.

Establishing an Effective In-House Training Program

Are your employees at the skill level you want? Do they have the confidence they need to do their jobs well? If so... Fantastic, you may be next month's guest speaker. If you answered no to one or both of these questions, you should consider attending this month's SPE dinner meeting. During this month's meeting, Andy Routsis will discuss the many important training topics - from available methods to cost justification.

In-House Training Discussions Include:

- o Various In-House Training Methods
- o Pros and Cons of Each Type of Training
- o Components of an Effective In-House Training Plan
- o The Role of On-the-Job Training at the Workplace
- o Justifying the Cost of Training Your Employees
- o The 'Top-Down' Approach to Workplace Competence

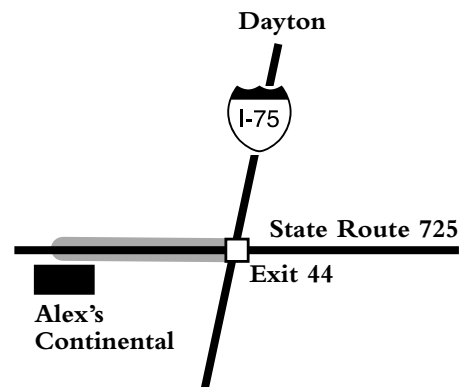
At the end of the meeting you will learn some of the techniques and methods which can help you give your employees the skills and confidence they need to succeed. Feel free to prepare questions as Andy will be available for a Q&A session after the meeting for further discussion. He will also provide a care package including an in-house-training presentation on CD and a trial version his advanced process simulation software for injection molding, blow molding and extrusion.

As the premier training service provider for the plastics industry, A. Routsis Associates, Inc. offers a fully comprehensive array of programs and services. Along with interactive training for Injection Molding, Extrusion, Blow Molding, and Decoupled Molding, Routsis is the only company to offer Part Design, Injection Molding Machine Maintenance, and Mold Making & Mold Design.

Driving Directions Alex's Continental

Exit 44 from I-75 to St. Rt. 725 West
Alex's is .5 mile on south side of 725.

ALEX'S CONTINENTAL DAYTON



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Mickey Brandon
Paul Moore

www.mvspe.org

Go to www.mvspe.org if you are interested in receiving an e-newsletter and NOT a printed copy. Fill out the contact info and hit the submit button.

The screenshot shows the Miami Valley Section website with a contact form. The form includes fields for Name, Email, and Password. Below these are checkboxes for 'I am a new member' and 'I am an existing member'. There are also checkboxes for 'I want to receive the newsletter' and 'I want to receive the printed newsletter'. The form is titled 'Contact Information' and has a 'Submit Information' button at the bottom.

DOWNLOADING SPECTRUM

Visit www.mvspe.org and go to the download page.

Right Mouse Click (Windows) or Control Click (Macintosh) on the link and select "Save Target As." Select your Desktop from the pop-up window. This will download the file to your computer and allow you to easily flip from page to page.

You will need to have Adobe Acrobat Reader version 5.0 or higher (available at www.adobe.com) to properly view the file and be able to click links to SPE related articles.

CALENDAR OF EVENTS

- Apr 1** Alex's–Dayton, Ohio
Education Night
Topic: A. Routsis
- May 6** Plant Tour–Husky
- June 14** Golf Outing
Hamilton Elks

MEETING NOTICE DETAILS

MEETING DATE: April 1, 2004
Advance Reservation required by March 30, 2004
To reserve, call or fax:

| | |
|--------------|----------------|
| Dick Hauck | Mickey Brandon |
| Cincinnati | Dayton |
| 513-521-8236 | 937-890-7834 |
| | Fax 890-5854 |

MEETING AGENDA - APR 1, 2004

Board Meeting 4:30 - 6:00 pm
Networking 6:00 - 6:30 pm
Dinner 6:30 - 7:30 pm
Break 7:30 - 7:45 pm
Program 7:45 - 9:00 pm

MEMBERS \$20 NON-MEMBERS \$25 STUDENTS/RETIREES \$10
MEMBERS \$25 AT THE DOOR WITHOUT A RESERVATION

*We are now taking VISA and MASTERCARD
for registration and other events*

PRESIDENT'S MESSAGE



I was very pleased to see the turnout for the Milacron Plant tour. We had almost 70 people who were treated to a great presentation and tour. It was also great to see members from Columbus and Kentucky as well as several students from our student chapters. I hope we will see as many people for our next meeting at Alex's as it will be Education Night and we will be awarding 5 Grants. Also, our May meeting will be another plant tour at Husky in Cincinnati,

Please note that our Golf Outing will be June 14, 2004 so mark your calendars and get your foursome lined up! Look for the information throughout the newsletter.

See all of you April 1 at Alex's!
Paul Moore, President

ONLINE SAVES TIME!!

- Register online for montly meetings
- See updated meeting info
- Sign up to receive the electronic version of The SPECTRUM
- Read past issues



Click here!

OUR WEBSITE
www.mvspe.org

- Get Email updates for special events
- Update your contact information
- Pay your dues online!
- Stay up-to-date and get involved in *your* MVPSE

(if you are reading this newsletter online, you can click any URL with a light blue box and go directly to that site!)

the eighth annual

BYRON NELSON MEMORIAL GOLF CLASSIC



Monday, June 14, 2004

Hamilton Elks Country Club

Preparation for the Eighth Annual Byron Nelson Memorial Golf Classic is just about complete. This year the Elks will make 18 holes available, if registration is approximately 100. If the registration is 135+ the Elks will make 27 holes available for the event. With play over 27 holes there will be three 18 hole tournaments as in the past. Other pertinent details include:

- 10:00am-10:45am Driving Range (\$3.00 per bucket)
- 11:00am Shotgun Start
- Four person scramble (include each player's handicap with registration)
- Lunch on the patio 10:15am—2:30pm
- Closest to the pin prizes
- Longest putt prizes
- Low net per foursome recognition
- Beer and soft drinks on the patio and on the course
- Sit down steak dinner
- and much more!

All this for \$125 per person.

Registration forms will be mailed by May 10, 2004.

Hole sponsors are needed to raise money for the Education Fund. Please see the letter and hole sponsor registration form in this *SPECTRUM*. Contact Mike Rusconi.

One more important piece of information:

THE ELKS HAS BANNED STEEL SPIKES.

All golfers must be wearing shoes without steel spikes.



The Golf Committee



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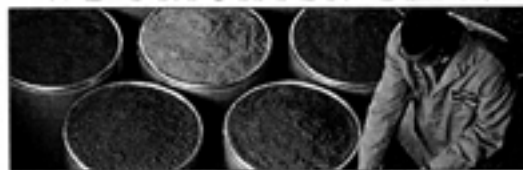
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Completed ANTEC 2004 registration forms may be submitted to SPE Headquarters as follows:

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14 Fairfield Drive, P.O. Box 403
Brookfield, CT 06804-0403
FAX: (203) 775-8490

ANTEC



Plastics Innovation
in the Windy City

EARLY BIRD REGISTRATION DEADLINE: JANUARY 31, 2004

ADVANCE REGISTRATION DEADLINE: APRIL 30, 2004

I. Conference Registration (All Fees in US Dollars)

| | SAVE UP TO \$110 EARLY BIRD BY JANUARY 31, 2004 | | SAVE UP TO \$50 ADVANCE BY APRIL 30 | | ON-SITE AFTER APRIL 30 | | |
|--|---|------------|---|------------|---------------------------|------------|-------|
| | Member | Non-Member | Member | Non-Member | Member | Non-Member | |
| Full Conference | \$625 | \$825 | \$685 | \$885 | \$735 | \$935 | _____ |
| Full Conference with CD-ROM Proceedings | \$645 | \$865 | \$705 | \$925 | \$755 | \$975 | _____ |
| Student, Full Conference* | \$75 | \$125 | \$100 | \$150 | \$125 | \$175 | _____ |
| *does not include conference proceedings or Monday Business Luncheon | | | | | | | |
| NOTE: All Speakers Must Be SPE Members | | | | | | | |
| Speaker, Full Conference | \$345 | N/A | \$405 | N/A | \$455 | N/A | _____ |
| Moderator, Full Conference | \$345 | \$475 | \$405 | \$535 | \$455 | \$585 | _____ |
| With CD-ROM Proceedings | \$365 | \$515 | \$425 | \$575 | \$475 | \$625 | _____ |
| Student Speaker, Full Conference | \$50 | \$75 | \$50 | \$75 | \$75 | \$100 | _____ |
| One-Day Registration | \$425 | \$625 | \$455 | \$655 | \$500 | \$700 | _____ |
| Check one: <input type="checkbox"/> Mon. <input type="checkbox"/> Tue. <input type="checkbox"/> Wed. | | | | | | | |
| Conference Proceedings on CD-ROM | \$99 | \$200 | \$99 | \$260 | \$159 | \$300 | _____ |
| For shipping within the U.S. Only, please add: | \$10 | \$10 | \$10 | \$10 | \$10 | \$10 | _____ |
| Conference Proceedings in Print | \$225 | \$325 | \$225 | \$385 | \$285 | \$400 | _____ |
| For shipping within the U.S. Only, please add: | \$20 | \$20 | \$20 | \$20 | \$20 | \$20 | _____ |
| Shipping services to countries outside the US will be available on-site. | | | | | | | |
| Exhibition-Only Passes (Valid Monday-Wednesday) | \$20 | \$40 | \$20 | \$40 | \$40 | \$50 | _____ |
| Add 1-Year SPE Membership (New or Renewal) | SPECIAL PRICING FOR ANTEC 2004 ATTENDEES ONLY! | | | | | | \$100 |
| Student/Emeritus Membership (New or Renewal) | | | | | | | \$26 |
| SUBTOTAL | | | | | | | _____ |

Registration Class (check all that apply)

- ☐ SPE Executive Committee
☐ SPE Councilor
☐ SPE Emeritus Member
☐ ANTEC 2004 Division/SIG TPC

- ☐ Booth Personnel
☐ Press
☐ Usher
☐ Spouse/Guest

- ☐ Speaker/Moderator: Paper Number _____
☐ Check here if you are a replacement speaker/moderator
Check which day(s) you will present/moderate:
☐ Monday ☐ Tuesday ☐ Wednesday

SPE Membership Number _____

Name _____

Title _____

Company _____

Address _____

City _____ State _____ Zip Code _____ Country _____

E-mail _____ Date of Birth _____

Phone Number _____ Fax Number _____ ☐ Male ☐ Female

Please take a moment to update your information here
This is my ☐ Home Address or ☐ Company Address
(check one)

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DECEMBER 2003

ANTEC 2004

REGISTRATION FORM



Primary SPE Technical Division/Area of Interest (Primary Division Included with Membership)

New Members: My Primary Division is _____. Check other(s) as additional Divisions at a cost of \$6 each.

- | | | |
|--|---|---|
| <input type="checkbox"/> Automotive (31) | <input type="checkbox"/> Extrusion(22) | <input type="checkbox"/> Polymer Modifiers/Additives (38) |
| <input type="checkbox"/> Blow Molding (30) | <input type="checkbox"/> Injection Molding (23) | <input type="checkbox"/> Product Design & Development (41) |
| <input type="checkbox"/> Color & Appearance (21) | <input type="checkbox"/> Marketing & Management (37) | <input type="checkbox"/> Rotational Molding (42) |
| <input type="checkbox"/> Composites (39) | <input type="checkbox"/> Medical Plastics (36) | <input type="checkbox"/> Thermoforming (25) |
| <input type="checkbox"/> Decorating & Assembly (34) | <input type="checkbox"/> Mold Making/Mold Design (35) | <input type="checkbox"/> Thermoplastic Materials & Foams (29) |
| <input type="checkbox"/> Electrical & Electronic (24) | <input type="checkbox"/> Plastics Environmental (40) | <input type="checkbox"/> Thermoset (28) |
| <input type="checkbox"/> Engineering Properties & Structure (26) | <input type="checkbox"/> Polymer Analysis (33) | <input type="checkbox"/> Vinyl Plastics (27) |
| <input type="checkbox"/> European Thermoforming (43) | | |

II. Special Events

Sunday, May 16

Fun Walk _____ Tickets per person @ \$15 each \$ _____
 _____ Tickets per couple @ \$25 each \$ _____

SPE Foundation Opening Reception

Complimentary with Full Conference Registration

Monday, May 17

Annual Business Luncheon

Complimentary with Full Conference Registration (n/a for Students)

Exhibition Ribbon Cutting Ceremony & Reception

Complimentary with Full Conference Registration

Tuesday, May 18

Exhibition Raffle

Complimentary with Full Conference Registration

Wednesday, May 19

Exhibition Mixer

Complimentary with Full Conference Registration

SPE Celebrates! Banquet

_____ Tickets per person @ \$75 each \$ _____
 _____ Table of 10 @ \$700 each \$ _____

III. Guest Registration (Pre-Registration is recommended for these events; capacities may be limited)

Guest Name _____
 _____ (first) _____ (last)

Address _____

City _____ State _____ Phone _____

| | | | |
|--------------------|----------------------------------|---------------------------|----------|
| Monday, May 17: | Chicago Highlights Tour | _____ Tickets @ \$35 each | \$ _____ |
| | Chicago Architectural Cruise | _____ Tickets @ \$48 each | \$ _____ |
| Tuesday, May 18: | North Shore Gardens | _____ Tickets @ \$45 each | \$ _____ |
| Wednesday, May 19: | Frank Lloyd Wright Home & Studio | _____ Tickets @ \$45 each | \$ _____ |

Guest Program Registration & Cancellation Policy:

Participant cancellation must be received in writing at SPE Headquarters no later than April 1, 2004, and will be refunded less a 10% administrative fee. Refunds will not be granted after April 1, 2004. Refund requests should be directed to:

ANTEC/Customer Relations Department,
 SPE, 14 Fairfield Drive, P.O. Box 403, Brookfield, CT 06804-0403
 By Fax: (203) 775-8490

Register Online at www.antec.ws!

IV. ANTEC 2004 SEMINAR SCHEDULE & REGISTRATION

To register, enter an X next to your selection(s).
SAVE \$200 BY REGISTERING EARLY

| Selection | Category | Title | # of Days | Scheduled | | | | Registration Fees | | |
|--------------------------------------|-------------------|--|-----------|-------------|--------------|-------------|---------------|---------------------------------|--------------------------------------|-----------------|
| Please enter an X next to selection. | BLOW MOLDING | Seminar Title / Instructor | | Mon. May 17 | Tues. May 18 | Wed. May 19 | Thurs. May 20 | Advanced Member Rate by 3/31/04 | Member Rate After 3/31/04 or On-site | Non-Member Rate |
| | SBM | Success in Blow Molding / Norman C. Lee | 2 | | | X | X | \$575 | \$775 | \$925 |
| | EXTRUSION | Seminar Title / Instructor | | | | | | | | |
| | FE | Fundamentals of Extrusion / Keith Luker | 1 | | | | X | \$395 | \$595 | \$745 |
| | TSET | Twin Screw Extrusion Technology / Adam Dreiblatt | 2 | X | X | | | \$575 | \$775 | \$925 |
| | PEDAP | Profile Extrusion Design & Advanced Processing / Daniel Cykana | 2 | | | X | X | \$575 | \$775 | \$925 |
| | PAMR | Practical Applications for Melt Rheology in Polymer Processing / Pravin Shah | 2 | X | X | | | \$575 | \$775 | \$925 |
| | EEP | Extrusion of Engineering Plastics / Pravin Shah | 2 | | | X | X | \$575 | \$775 | \$925 |
| | CEPP | Co-Extrusion: Principles & Practices / Eldridge Mount | 1 | | | | X | \$395 | \$595 | \$745 |
| | DDEP | Die Design Principles for Extrusion of Polymers / Leonard Sansone | 2 | | | X | X | \$575 | \$775 | \$925 |
| | INJECTION MOLDING | Seminar Title / Instructor | | | | | | | | |
| | IMT | Injection Molding Technology / William Frizelle | 2 | X | X | | | \$575 | \$775 | \$925 |
| | IMACA | Injection Molding - Advanced Concepts and Analyses / Lawrence Schmidt | 2 | | | X | X | \$575 | \$775 | \$925 |
| | VWIMT | Virtual Workshop in Injection Molding Troubleshooting / Robert Beard | 2 | X | X | | | \$575 | \$775 | \$925 |
| | MATERIALS | Seminar Title / Instructor | | | | | | | | |
| | FPMP | Fundamentals of Plastic Materials & Processing / Jean-Michel Charrier | 1 | X | | | | \$395 | \$595 | \$745 |
| | FRP | Flame Retarding Plastics / Joseph Green | 1 | | X | | | \$395 | \$595 | \$745 |
| | TE | Thermoplastics Elastomers / Vivian Malpass | 1 | | X | | | \$395 | \$595 | \$745 |
| | CMBP | Crystallization & Mechanical Behavior of Polymers / Pravin Soni | 2 | X | X | | | \$575 | \$775 | \$925 |
| | PPBA | Principles of Polymer Blending and Alloying / Don Witenhafer | 1 | X | | | | \$395 | \$595 | \$745 |
| | OTHER | Seminar Title / Instructor | | | | | | | | |
| | PCSPCM | Plastic Color Science, Pigments and Color Matching / Robert Charvat | 2 | | | X | X | \$575 | \$775 | \$925 |
| | MDMB | Mold Design & Mold Building / Robert Dealey | 2 | | X | X | | \$575 | \$775 | \$925 |
| | SPWP | Snap-fits, Press-fits & Welding of Plastics / Jordan Rotheiser | 1 | X | | | | \$395 | \$595 | \$745 |
| | THERMOFORMING | Seminar Title / Instructor | | | | | | | | |
| | TTIA | Thermoforming Technology for Industrial Applications / William McConnell | 2 | X | X | | | \$575 | \$775 | \$925 |
| | TDD | Thermoforming Design for Designers / Robert Browning | 1 | | | | X | \$395 | \$595 | \$745 |
| | TPAT | Testing of Plastics-Its Application to Thermoforming / Donald Hylton | 1 | | | X | | \$395 | \$595 | \$745 |
| | TT | Thermoforming Tooling / Arthur Buckel | 1 | | | X | | \$395 | \$595 | \$745 |

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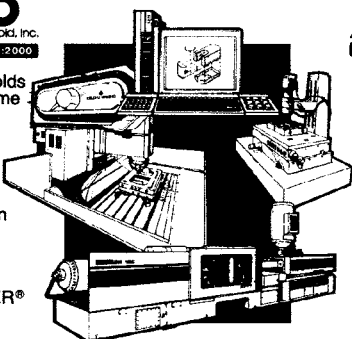
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If you'll be at ANTEC 2004 in Chicago, IL this May, you don't want to miss the annual Crompton Fun Walk, sponsored by Crompton Corporation. Held on Sunday, May 16th from 4:30-6:30pm, the 2004 walk highlights the Art and Architecture of Chicago.

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Don't miss this opportunity to trace the evolution of Chicago architecture, from the late 1880's to the present day. Thanks to Crompton's generous support, the fee of \$15/person or \$25/couple totally benefits The SPE Foundation Scholarship Fund.

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SPE'S FINANCIAL HEALTH

SPE headquarters has recently received inquiries from members regarding the financial status of the Society. It's tough to combat rumors once they've started, and we ask that you help us in communicating the true financial health of SPE to members and non-members alike.

We acknowledge that our financial status is not as strong as it should be. This is due to a variety of reasons. Most notably, we're aware that we have lost existing members and not gained new ones because they either don't know or have forgotten why they need to be a member. We're striving to re-emphasize to members and prospective members why we exist: to be the premier source of peer-reviewed technical information for plastics professionals. We know, without a doubt, that our information is still the best technical information out there.

To combat our financial problems, we've had to make some tough choices and implement some steps to cut down on costs. Expenses were cut throughout the budget, line item by line item. We decreased the number of staff by over 25%. Staff salaries were reduced by 5%. Recently, Council voted to eliminate rebates to Sections and Divisions for a 2-year period. We know that while these types of actions are painful, our overall strategy moving forward will make SPE a stronger organization that exceeds the expectations of its membership.

We appreciate your understanding and support.

AWARDS ANNOUNCEMENTS

The SPE Foundation manages an endowment by the Thermoforming Division that provides matching funds to schools that wish to purchase thermoforming equipment for their facilities. Do you know of a school in your area that is looking to update, replace, or purchase a thermoforming machine? Contact the Foundation at 203-740-5447, e-mail grbristol@4spe.org or check out the website for further information on this grant program.

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