



# SPEC *Sheet*

**SOCIETY OF PLASTICS ENGINEERS – CLEVELAND SECTION**

November 2015 Vol. 59 No. 3

[www.specleveland.org](http://www.specleveland.org)

Editor: [Bruce Bille](#)

## **Upcoming Meeting: Monday, November 9, 2015**

### **New Method for Characterizing the Injection Moldability of Plastic Melts**

Presented by John Beaumont, President and CEO of Beaumont Technologies and the American Injection Molding Institute.

#### **Location:**

Hilton Akron/Fairlawn  
[3180 West Market Street](#)  
[Akron, Ohio 44333](#)

#### **Agenda:**

4:30 Board Meeting  
5:30 Social / Networking  
6:00 Dinner  
Program immediately follows dinner

**Price:** Members/Guest - \$25 / Retired - \$20 / Student - \$5

#### **Reservations:**

Reservations must be in by noon on Friday, Nov. 6 and can be made to Dan Crist at [mail@cmd-tip.com](mailto:mail@cmd-tip.com) or 330-225-8080. Please be sure to include the company affiliation of each attendee and any dietary restrictions.

#### **Quick Clicks:**

[About the Monthly Program](#)  
[Directions to the Meeting](#)  
[SPE-Cleveland Website](#)

## ***Directions to November 9<sup>th</sup> Meeting***

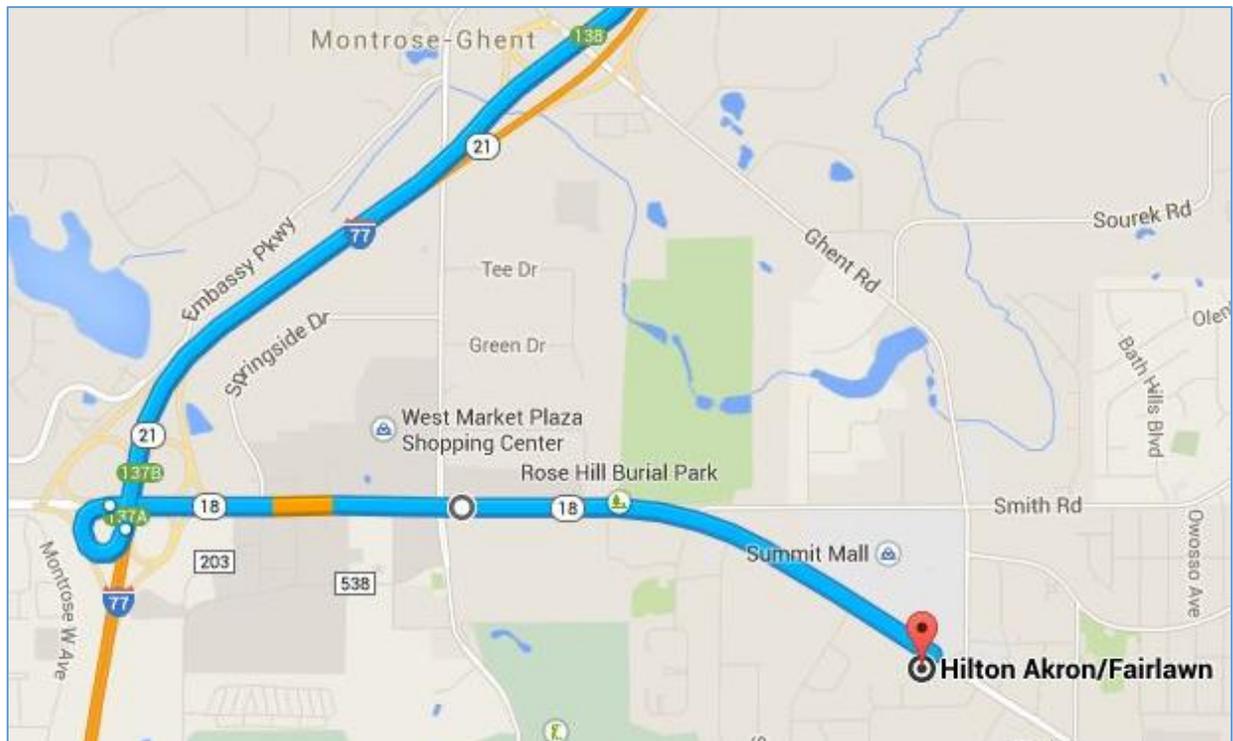
### **Directions from Cleveland:**

Take I-77 south to Exit 137A (Rte 18 East).

In 2 miles, Hilton Akron/Fairlawn will be on the right hand side across from the Mall.

Parking is free in the hotel parking lot.

*(Click on the map to view in Google maps)*



---

## ***About the November Presentation***

This presentation reveals the first method for mapping the actual injection molding characteristics of a polymer melt. The novel multi-variant approach captures the complex interactions between plastic materials, process and mold/part design. The accompanying software processes the data and allows the user to evaluate and graphically display the molding characteristics of a single material, or simultaneously contrast multiple competing materials. The new method bridges the gap between commonly used isothermal extrusion based test methods (MFI & rheometers) and injection molding simulation. This data can be used for material selection, to accelerate new polymer and polymer compound development, process optimization as well as plastic part design.

## *About the Speaker*

### **John Beaumont**

### **President and CEO of Beaumont Technologies and the American Injection Molding Institute**

John Beaumont is President and CEO of Beaumont Technologies and the American Injection Molding Institute. He has authored several books on Injection Molding and is a 2015 inductee to the Plastics Hall of Fame. John is also a professor emeritus at Penn State University where he helped develop and chaired the Plastics Engineering Technology Program at Penn State Erie. His earlier industrial credits include positions as Technical Manager for Moldflow's US operations and Engineering Manager for Ciba Vision Corp. He was also the founder and director of the Plastics CAE Center at Penn State, past Chair of the Injection Molding Division's Board of Directors and is currently a member of the Plastics Pioneers and an SPE Fellow. Beaumont Technologies is the pioneer and world leader of in-mold rheological control technologies.



BOY MACHINES INC.  
199 Philips Road  
Exton, PA 19341-1335



Spritzgiessautomaten

### **Robert Koch**

Midwest Regional Sales Manager

Cell: 484-645-3297

[bkoch@boymachines.com](mailto:bkoch@boymachines.com)

[www.boymachines.com](http://www.boymachines.com)

## **SCREW TIPS**

### **FOR PLASTIC INJECTION MOLDING**

**3 PIECE RING VALVES**

**5 PIECE RING VALVES**

**BALL CHECK VALVES**

**POPPET CHECK VALVES**



**COMPONENT MANUFACTURING AND DESIGN**

3121 Interstate Parkway, Brunswick, OH 44212

Phone: 330 225 8080

Email: [mail@cmd-tip.com](mailto:mail@cmd-tip.com)

Fax: 330 225 8777

Internet: [www.cmd-tip.com](http://www.cmd-tip.com)

# September Tech Meeting Wrap-up

By Martin Mensch

Great turn out at the last Akron/Cleveland SPE meeting with a strong showing of young professional and student members. Kudos to the Akron section for the full court press on Akron University students, your efforts are paying off! In addition, many eager attendees came out to learn more about biomimicry and how it might apply to their professions or academic studies in the polymer science & engineering fields. The speaker, Emily Kennedy, Biomimicry Fellow, University of Akron, provided a broad strokes overview on how the concepts of biomimicry can supplement innovation strategies for product development. The notion of streamlining R&D efforts by replicating solution paths that mother nature has already mastered through evolution was interesting to the audience and it was a pleasure pin-balling idea's back and forth between the crowd and speaker. All in all, a successful SPE event; strong attendance, hot topic, knowledgeable speaker and an engaged crowd. What more could you ask for!? Looking forward to the next event and seeing you all there!



For more pics - <https://akron-spe-web.squarespace.com/photos-new/#/20152016-meetings/>

## ***SPE Cleveland Section Board Meeting Minutes October 12, 2015***

President – Rik Keeley – Meeting called to order.

Past President – John Sovis – Working on contacting local people involved with the Thermoset Division Top Con with hopes of getting SPE Cleveland Section involved.

National Coordinator – Jerry Blaine – Not Present

Treasurer – Moris Amon – Provided 2015-2016 Budget. In order to get expenses down, we proposed to cut down on Counselor travel expenses by paying only for expenses directly related to Council meetings but not ANTECs. We also resolved to cut Board planning meeting expenses by asking board members to contribute to the cost of such meetings. The 2015-2016 budget will be adjusted accordingly and re-published for Board review.

Secretary – Dan Crist – Minutes from September board meeting approved.

Program – Martin Mensch – Not Present

Advertising – David LaPierre – Not Present. \$1150 in advertising money collected as of Oct. 12, 2015.

Newsletter – Mike See – Bruce Bille continues to work on website improvements. Committee Chairs should get their sections of the website up to date. Mike See will be attending the American Chemical Society Rubber Symposium on Thursday.

Education – Dennis Meade – Goal this year is to secure a plastivan event. John Sovis has been contacting local schools about this. Would like to add another scholarship.

Membership – Matt Caslow – Contacting prospective members on the new member contact list is proving to be difficult.

House – Dan Crist – 50 people came to the September event. 36 people came to today's event. 7 board members present today.

Awards – Ron Raleigh – Not Present

Old Business –

New Business – Rik Keeley and Moris Amon attended the council meeting. The SPE Chain web service is a valuable tool for not only communication, but also for archiving documents. SPE website has useful tools for scholarship programs and Top Con planning. National SPE is redoing its management structure.



Manufacturers of Quality Polymer Additives  
for the Global Polymer Industry  
[www.valtris.com](http://www.valtris.com)

## *About the SPE Cleveland Section*

We are the Cleveland Section of the Society for Plastics Engineers (SPE), the leading plastics professional society in the world. Since 1942, SPE has been the "go to" technical information, training, networking, and information-sharing source for plastics professionals who want to advance their knowledge and careers. Membership in the Society offers:

- free access to a vast on-line collection of technical journals and conference proceedings;
- significant discounts at many SPE-sponsored conferences, including SPE's famous international Annual Technical Conference (ANTEC);
- free access to a job search and recruitment web site, SPE Career Solutions;
- professional networking and information-sharing through its on-line social network, the Chain;
- opportunities for volunteer participation in the work of the Society at national or regional level.

Explore what SPE has to offer at <http://www.4spe.org>

Founded in 1943, the Cleveland Section was the third section to be formed in the USA. Its first president was Reynold (Ren) Morse, who later founded the Industrial Molding Supplies (IMS) Company. Our objective is to promote scientific, engineering, and business knowledge related to the plastics industry in North East Ohio. We are the professional home for nearly 275 plastics professionals across the Greater Cleveland area.

Every year, from September through May, we organize one meeting per month, advertised in advance in our on-line newsletter, the SPEC Sheet. A typical meeting consists of a social hour, followed by dinner, and culminates in a technical presentation by an expert. Occasionally, a plant or laboratory tour replaces or supplements the presentation. Our programs (with the exception of the Awards Night in May) are held jointly with the Akron Section of SPE, with which we have collaborated since its inception in 1958, when it split off the Cleveland Section. For a history of programs in recent years see <http://www.specleveland.org/history.htm>.

Wherever you are in your polymers-related career-from student through retired-we invite you to benefit from and contribute to SPE as an active member of your Cleveland Section. Join our active membership by clicking the link below:

<http://specleveland.org/membership.htm>

**Advertise with the SPE Cleveland Section! Reach out to customers!**

Newsletter and web page... Dual promotion – one price! Both [hyperlink](#) capable!

Contact David Lapierre for annual packages and discount part-year packages.

440-465-2883 / [David.Lapierre@omya.com](mailto:David.Lapierre@omya.com)

## 2015 – 2016 SPE Cleveland Section Officers and Board of Directors

### *President*

**Rik Keeley**  
Helix Linear Technologies  
C: (440) 840-4212  
F: 216-539-7978  
[rwkplastics1@yahoo.com](mailto:rwkplastics1@yahoo.com)

### *President Elect*

**Martin Menish**  
Lubrizol Corp.  
C: 570-441-8951  
[mwmensch@gmail.com](mailto:mwmensch@gmail.com)

### *Past President*

**John Sovis**  
JS Engineering Services  
C: (216) 870-4608  
[jsovis@twc.com](mailto:jsovis@twc.com)

### *Secretary*

**Dan Crist**  
Component Mfg. and Design  
W: (330) 225-8080  
C: (440) 227-5424  
[mail@cmd-tip.com](mailto:mail@cmd-tip.com)

### *Treasurer*

**Moris Amon**  
M. Amon Consulting  
C: (216) 870-8897  
[m.amon@roadrunner.com](mailto:m.amon@roadrunner.com)

### *Advertising*

**David Lapierre**  
Omya, Inc.  
440-465-2883  
[David.Lapierre@omya.com](mailto:David.Lapierre@omya.com)

### *Technical Programs*

**Martin Menish**  
Lubrizol Corp.  
C: 570-441-8951  
[mwmensch@gmail.com](mailto:mwmensch@gmail.com)

### *Education*

**Dennis Meade**  
Chroma Colors  
(419) 202-6685  
[dmeade@chromacolors.com](mailto:dmeade@chromacolors.com)

### *Awards*

**Ron Raleigh**  
Valerus Chemical  
210-875-7250  
[ron.raleigh@valeruschem.com](mailto:ron.raleigh@valeruschem.com)

### *Councilor*

**Jerry Blayne**  
Professional Polymer  
Technical Services, LLC  
C: (216) 272-9541  
[blaynejj@att.net](mailto:blaynejj@att.net)

### *Membership*

**Matt Caslow**  
Dynesco  
330-573-3285  
[Matt.Caslow@dynisco.com](mailto:Matt.Caslow@dynisco.com)

### *Web Content*

**Michael See**  
See Technologies LLC  
C: (740) 503-8521  
[mdseeplastics@gmail.com](mailto:mdseeplastics@gmail.com)

## *Future SPE Cleveland Section Programs*

Month	Date	Topic	Location
Nov	9	True Melt Flow of Polymers	Hilton Akron/Fairlawn
Dec	7	Holiday Celebration	Taverne of Richfield
Jan	11	To Mars and Back - Extreme Engineering	Hilton Akron/Fairlawn
Feb	8	Very Long Fiber – Metal to Plastic Replacement	Hilton Akron/Fairlawn
Mar	14	Plastics in Solar Power Generation Presentation and tour	Case Western Reserve Univ.
Apr	11	Industry and Academics	Hilton Akron/Fairlawn
May	9	Awards Night	TBD