



# SPEC *Sheet*

**SOCIETY OF PLASTICS ENGINEERS – CLEVELAND SECTION**

April 2017 Vol. 60 No. 8

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

Editor: [Moris Amon](#)

## Upcoming Meeting: Monday, April 10, 2017

### **Educators' Night Plastics in Education**

**Presented by Dr. Missi Zender-Sakach**

One of our primary goals as SPE is to spread our knowledge of plastics to young engineers and students. Dr. Missi Zender-Sakach is a Science Consultant to over fifty school districts in the state of Ohio. She will fill us in on some of the joys and challenges associated with improving student knowledge of science, including plastics. We will also have several high school students from GlenOak High School to demonstrate a plastics recycling project they developed in class.

**Location:**

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

**Quick Clicks:**

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

**Agenda:**

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

**Price:** Non-members - \$30 / Members/Guest - \$25 / Retired - \$20 / Student - \$5

**Reservations:**

Reservations must be in by noon on Friday, Apr. 7. Please contact Gary Taylor at 330-419-4380 or [akronspe1@gmail.com](mailto:akronspe1@gmail.com). Please be sure to include the company affiliation of each attendee including dietary restrictions.

## *Directions to April 10<sup>th</sup> Meeting*

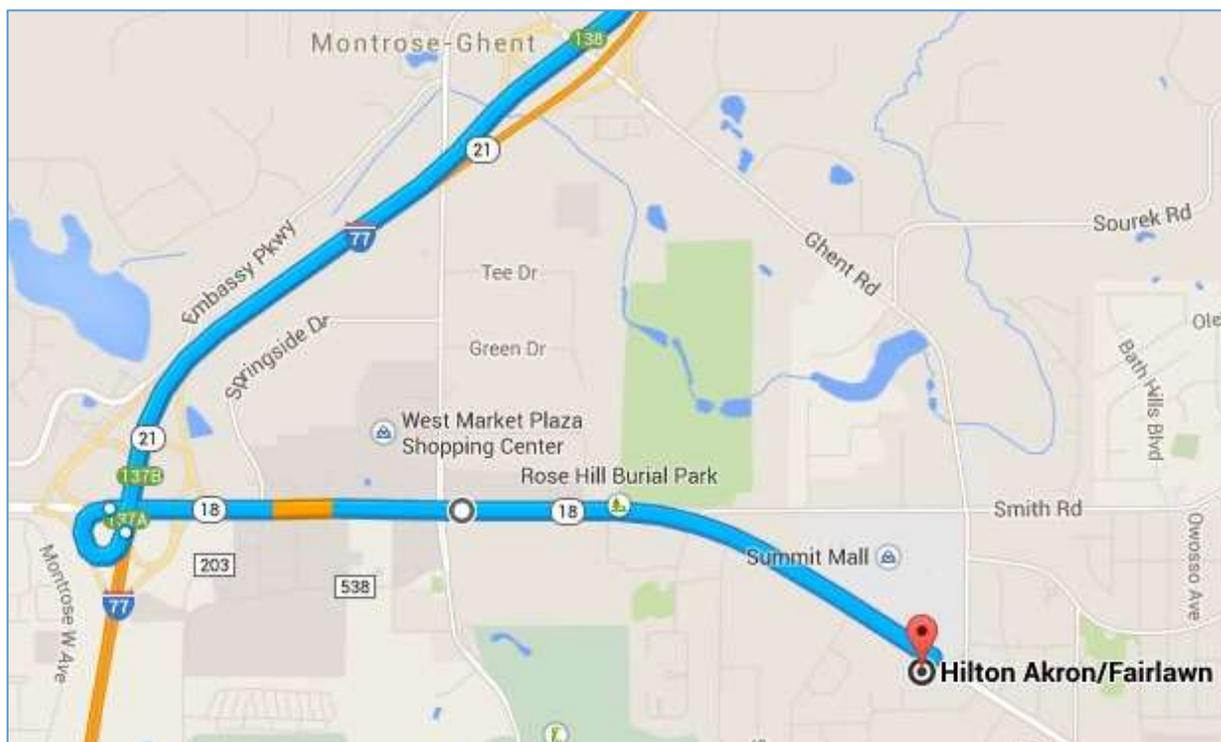
### **Directions from Cleveland:**

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)*



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## *About the Speaker:*



Dr. Zender-Sakach commenced her career in education in 1989. For the last nineteen years, she has been employed with the Summit Educational Service Center (SESC) as a Science Consultant. She received her doctorate from The University of Akron in 2002.

Dr. Zender-Sakach is committed to improving science education at the local, state and national levels. She has been a Science Coach for the Ohio Department of Education and Stanford University's Ohio Performance Assessment Project and was a member of the Ohio Science Standards Writing Committee. She is currently an elected Board Member and Conference Committee Chair for the Science Education Council of Ohio (SECO). She has served as the Past-President of the Akron Council of Engineering and Scientific Societies (ACCESS), was awarded the 2013 ACCESS Award and is currently serving as Secretary. In 2015, she received the Akron Society of Plastics Engineers (SPE) Hall of Honor Award recognizing service and support of the plastics industry. Most recently, she was elected President-Elect for the National Science Education Leadership Association.



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## ***Request For Program Suggestions And Volunteers***

Dear SPE Members,

The Program Committee thanks all the members of the Board of Directors for their assistance to the Program Committee in the implementation of the 2016-2017 meeting programs and by their suggestions for 2017-2018 programs. However, we need input from the general membership, too. Please send me, at your convenience, your suggestion for future Cleveland Section meeting programs.

In addition, the Cleveland Section Board needs more committee chairs, officers and directors for the 2016-2017 and 2017-2018 activities. The Board requests you give serious consideration to volunteer. Please notify me of your interest and any questions you may have.

These are the chair positions that need filling:

1. Awards chair,
2. Public Interest chair.
3. TopCon chair for a future topical conference.

We also need Directors to fill committee positions. Please call me if you would like me to explain the responsibilities of these positions.

Regards,

John Sovis  
SPE Cleveland Program Committee chair, Past  
President, Past Vice President,  
216-870-4608  
[jsovis@twc.com](mailto:jsovis@twc.com)

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## *SPE Akron and Cleveland Sections Technical Meeting – Jan 9<sup>th</sup>:*

On March 13, 2017, members of the Cleveland and Akron sections met at the laboratories of Valtris Specialty Chemicals, in Independence. Formerly the Polymer Additives Division of Ferro Corporation, Valtris continues to be a leading provider of specialty chemicals, serving industries as diverse as building and construction, packaging, consumer goods, transportation and oilfield additives. Most of its products are vinyl additives, such as plasticizers, anti-bacterial agents, fire retardants, stabilizers and anti-oxidants.

First, we heard presentations by CEO Paul Angus and VP of Technology Brenda Hollo. Ms. Hollo told us about the obstacles to innovation created by government regulation all over the world and the resulting additional development time and cost. On the positive side, she also pointed out the opportunities created by regulation as older products are banned or restricted in some jurisdictions.



*Valtris CEO Paul Angus*

The presentation was followed by a very instructive tour of the labs where we saw equipment for the measurement of various important characteristics of PVC blended with additives: resistance to thermal, shear, and UV degradation; mechanical and rheological properties; inhibition of bacterial and fungal growth (plasticized PVC); fire resistance; etc. We also saw facilities for synthesizing some additives on a lab scale, and for the measurement of the particle size distribution of raw additives.



*VP of Technology Brenda Hollo*

After the tour, we all went to the Burntwood Tavern in Brecksville where we enjoyed good food, good drinks, and good company.

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# ***SPE Cleveland Section Board Meeting Minutes***

## ***March 13, 2017***

### **In Attendance:**

Dan Crist (President, House), Moris Amon (Treasurer), Ron Raleigh (Awards), Rik Keeley (Past President), John Sovis (Program), Craig Potter (Advertising, Newsletter Editor), Bob Opalko (Secretary), Li Nie (Membership)

### **Minutes**

**Board Membership:** C. Potter volunteered and was nominated as the Newsletter Editor in the 2017-2018 fiscal year. The Board approved the nomination.

**House:** 29 people attended the February event.

**Treasurer:** M. Amon distributed the Treasurer's report prior to the meeting, and he noted that the scholarship check has caused our year-to-date spending to exceed our revenue, as anticipated.

**Advertising:** C. Potter reported that there was 1 new paid ad for \$50, and that 2 full page ads are in process. C. Potter will give a short invitation for ads prior to tonight's presentation at Valtris.

**Councilor:** No report.

**Education:** D. Meade circulated a report prior to the meeting, in lieu of his attending the meeting:

**Plastivan Program:** Eve Vitale is communicating with Twinsburg, Aurora and Hudson regarding scheduling PlastiVan programs. John Sovis and Dennis Meade will continue to work with Eve to schedule programs and estimate costs. Lake Ridge Academy has been quiet, and may not be interested. Beachwood School is interested. Dennis will request funding assistance from the Plastics Pioneers Association to assist with the PlastiVan Programs at his meetings in Charleston, SC, later this week.

**SPE Foundation** – Has agreed to manage our Scholarship Applications

At the February 2017 meeting the board approved the SPE Foundation Managing our Scholarship Program. Moris has issued a check for \$3,000 to cover two scholarships. D. Meade needs to revise our Scholarship application to reflect the mail-in address to the SPE Foundation and will have that completed shortly.

**NEOSEF** – Ron Raleigh and Dennis Meade judged the Student papers at the North East Ohio Science and Engineering Fair held at John Carroll University last Tuesday. This was the 36th year for the event, and the 4th year that the SPE Cleveland Section has been judging. They selected the following winning papers:

3rd Place – Miss Julia Roth of St. Angela Merici School – “Super Absorbent Polymer Crystals”

2nd Place – Mr. Devank Patel of Mentor High School – “Adhesion Forces between Polymers”

1st Place – Miss Alison Kennedy of Mentor High School – “Evaluating the Effects of Plasma Functionalization on Carbon Nanotube Reinforced Polycarbonate Composites for a Possible Increase in Adhesion”

## ***Board Meeting Minutes (continued)***

D. Meade has contacted all of the recipients and they have agreed to attend our May 15th award night with a parent or guardian and present their paper.

**Program:** The site of the May 15th Banquet Award dinner will be chosen soon. The April meeting will be organized by the SPE Akron Section. Lubrizol Corp. (Brecksville location) will host a tour in October, Li Nie will send details to J. Sovis. Other prospective tours in the future: Cleveland Clinic Innovation Center, Avery (November), Henkel Corp., Simply 3 Corp., Energizer R&D Center.

**Membership:** One new student member joined in February. On CHAIN, there were some complaints by users about the dashboard and the restricted access to the membership list.

### **Other:**

- On May 24, 2017 the American Chemical Society and the Society for Applied Spectroscopy will have a conference and they have asked if the Cleveland SPE would like to present 3 technical papers on a subject of polymers. D. Meade will present "Coloring of Polymers", Ben Xu from Avery Dennison will present "Contamination Analysis". We still need a third presenter.
- The Ohio Networking Event & Tour of University of Akron Polymer Science Center will be on Friday 5-19-17 from 1 to 8 PM. The site of this event is supposed to rotate at various locations in Ohio.
- The Cleveland Technical Society Council with Beachwood HS will have a career fair on 4-24-17 in the afternoon. Board members approved a \$200 booth fee, assuming we can obtain good props to attract students.

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## **PLASTICS NEWS**

Plastics firm Mar-Bal Inc. moving to larger Northeast Ohio site.

Thermoset plastics firm Mar-Bal Inc. will move its Ohio production from Chagrin Falls to Painesville by the end of the year,

providing more space and allowing the company to increase external sales of thermoset compounds.

The \$15 million project includes moving into a 110,700-square-foot building that will almost double the space that Chagrin Falls-based Mar-Bal now has for manufacturing.

[\(Click Here for full article\)](#)

## **SCREW TIPS**

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## *Future SPE Cleveland Section Programs*

Apr 10	Industry/Teacher Collaboration Plastics in Education	Hilton Fairlawn
May 15	Awards Night	TBD

### **2016 – 2017 SPE Cleveland Section Officers and Board of Directors**

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