



SOCIETY OF PLASTICS ENGINEERS – CLEVELAND SECTION

October 2017 Vol. 61 No. 2

www.specleveland.org

Editor: [Craig Potter](#)

Upcoming Meeting: Monday, October 9, 2017

Plastic Resin Development

**Presented by Michael Fornes and Walid Qaqish
Lubrizol Corporation**

Following Mr. Fornes and Mr. Qaqish's discussion on CPVC and thermoplastic polyurethanes (TPUs), engineering plastics and applications, a tour of the Lubrizol R&D facilities will be provided, followed by dinner.

Please check in at the Lubrizol security building. Parking is in front of security building and across the street on the left side in front of the administrative building (parking space is ~50+, car-pooling a good choice if more than 50 cars).

Lubrizol requirement: Visitors wearing open toe shoes are not allowed in R&D lab area. Visitors from direct competition can attend presentations but will not be allowed to participate R&D lab tour. Photo taking and video recordings are not allowed. Lubrizol campus is non-smoking.

Meeting Location:

Lubrizol Chemical & Allied Prod.
[9911 Brecksville Road](#)
[Brecksville, Ohio](#)

Dinner:

Burntwood Tavern
[8188 Brecksville Road](#)
[Brecksville, OH](#)

Quick Clicks:

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[SPE Board – Officers](#)
[SPE-Cleveland Website](#)

Agenda:

4:30 Board Meeting
5:30 Social / Networking
6:00 Presentations/Tour
7:30 Dinner at Burntwood Tavern

Price:

Members/Guest - \$30 / Non-Members - \$35 / Retired - \$25 / Student - \$10

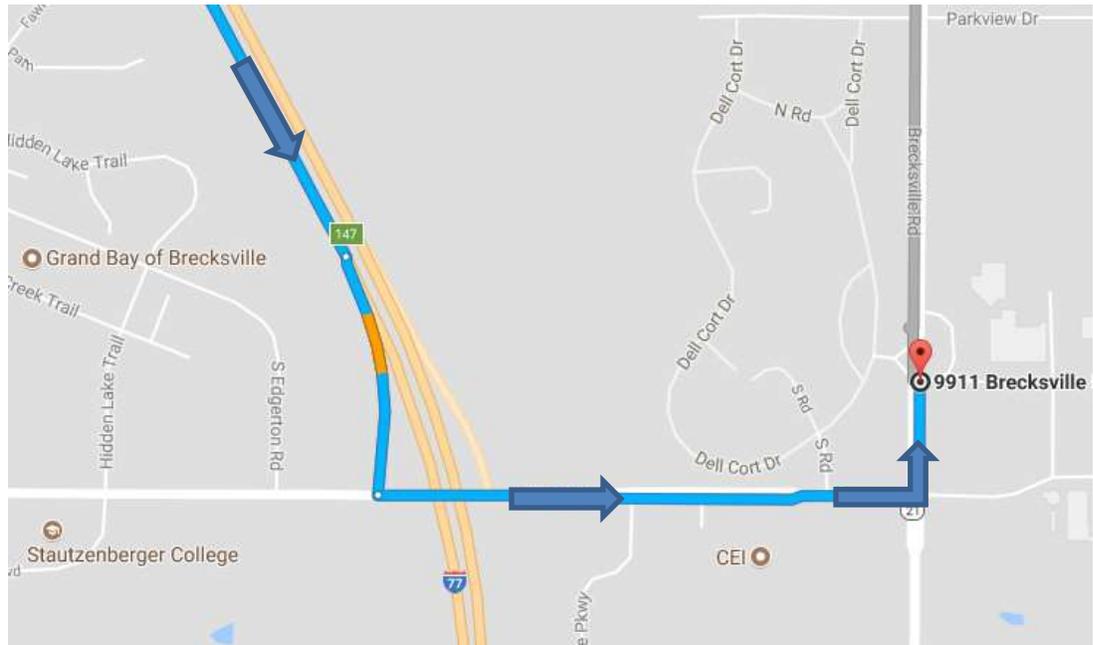
Reservations:

Reservations must be in by noon on Wed, Oct. 4 to Dan Crist at mail@cmd-tip.com or 440-227-5424. Please be sure to include the company affiliation of each attendee including dietary restrictions.

Directions to October 9th Meeting

Directions from Cleveland:

Take I-77 south to Exit 147 and turn left (East) onto Miller Road.
In about 0.7 miles, turn left (North) onto Rte 21 (Brecksville Road).
Lubrizol is up on the right in about ¼ mile.
(Click on the map to view in Google maps)



About the Speakers:



Michael Fornes, Global Business Manager for the Lubrizol TempRite Industrial business, is responsible for leading efforts for Corzan brand CPVC piping in applications in Chemical Processing, Power Generation, Water/Waste Water Treatment, Mineral Processing, Semiconductor and Marine applications where corrosion of metal piping systems is an issue. Mr. Fornes has a BS in Mechanical Engineering from Purdue University and an MBA in International Business from Baldwin Wallace University. He has held engineering and commercial roles at Nordson Corporation, Swagelok, and Eastman Chemical prior to joining Lubrizol in 2014.



Walid Qaqish, Applications Engineer in the LifeSciences, Division at Lubrizol Advanced Materials, is responsible processing and testing of thermoplastic polyurethanes for medical applications. His additional areas of experience include thermal processing, biomaterials, FDA 510k submissions, and orthopedic implants. He earned his B.S and M.S. from the University of Akron with a focus on Biomaterials.

Directions to Dinner Meeting

Directions from Lubrizol:

Head north on Brecksville Rd for 3.4 miles.
Burntwood Tavern will be on your left.
(Click on the map to view in Google maps)

Burntwood Tavern
[8188 Brecksville Road](#)
[Brecksville, OH](#)



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SPE Akron and Cleveland Sections Technical Meeting Sept 11, 2017

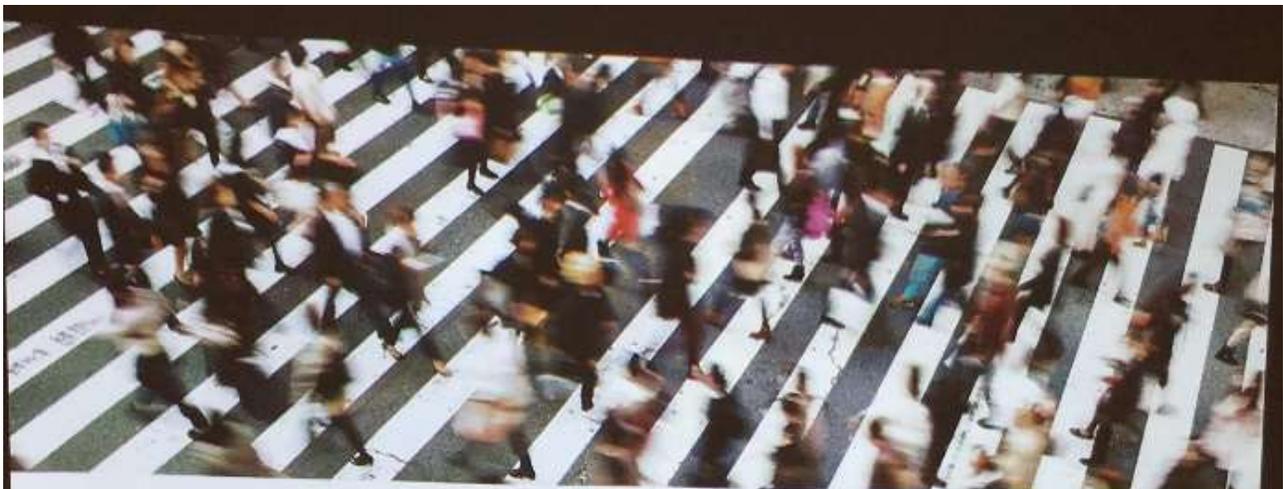
Featured Guest Speaker:
Richard Krock, Vice President
Regulatory and Technical Affairs
The Vinyl Institute

Mr. Krock is associated with The Vinyl Institute, located in Washington DC. The Institute promotes the benefits of vinyl products, encourages use of good science and represents the industry's interests on all regulatory issues such as environmental, safety, emissions, etc. Clearly a big job.



According to Mr. Krock, PVC contributes \$54 billion annually to the national economy. Volume was up 5% in 2016 to 15 billion pounds of resin produced. Largest applications were pipe, siding, architectural, housing, windows and flooring – most of which are tied to the housing starts which showed 10% growth in 2016. In the medical field, PVC is preferred for many reasons, one being superior resistance to harsh disinfectants.

The Institute's website contains a wealth of information, issues, resources, links and contacts, <http://www.vinylinfo.org/>, useful for anyone in the PVC industry.



Vinyl Institute Activities

September 11, 2017 Akron, Ohio SPE Chapter Presentation

Richard Krock, VP Regulatory and Technical Affairs, Vinyl Institute



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Shanghai, China
Blacksburg, VA



SPE Cleveland Section Board Meeting Minutes September 11, 2017

Attendees – Jerry Blaine, Dan Crist, Dennis Meade, Li Nie, Craig Potter, Ron Raleigh, Todd Waddle, Guojun Zhang

Action Items:

Li - confirm details of Oct meeting at Lubrizol

- provide all program and dinner details to John, Dan and Craig by Sept 20

Dan - are you our contact for dinner reservations for the Oct meeting?

- What email and phone number should be placed in the announcement?
- What is the cut-off date for reservations?

Ron - appoint board member to lead Oct meeting in your absence

- provide list of critical items for this meeting

Dennis – provide details of scholarship winner to Craig

Craig - confirm details for Nov meeting at Avery Dennison

- update newsletter and website per input from board
- complete minutes and submit to board for review by Sept 15

Minutes:

President's report – Ron Raleigh

- potential '18-'19 speaker: Subject: Terminal Tower Facade Restoration use of Fiberglass Reinforced Polymers.
- CTSC is working on potentially getting a group discount at a local Cleveland venue for monthly meetings of the membership societies.
- use Happy hours as a low-risk, potential way to draw in new and younger members to be more active.
- create SPE sponsored contest on "New Uses for Old Plastics", modeled after the demo we saw from the Akron section student night.
- can our meetings be used for continuing education credit for PEs with the State of OH. Dan to investigate.
- Propose any members for the CTSC awards. CTSC is desperate for nominations. Categories are Professionals under 40, Professionals over 40, and Educators.
- SPE Cleveland has been invited to field 3 presentations for the May 2018 conference (May 28th) in conjunction with ACS, Vacuum Society, Microscopy group, and the Applied Spectroscopy group. Guojun volunteered to present a paper.
- Seek a project to work with SAE to highlight plastics in cars for the Cleveland Autoshow in March 2018
- Discuss subjects for student seminars to be offered to Case and other local universities to help student interaction with SPE/founding a student chapter. This was driven from comments from a recent Case student shown in the last SPE magazine.
- Discuss a potential Career Paths seminar to be done at Ohio University's Russ College of Engineers in Athens.



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SPE Cleveland Section Board Meeting Minutes September 11, 2017 (continued)

- Oct meeting: need a dinner venue (Burntwood or Sleepy Hollow) and details to be finalized and sent to the Akron section. Li and Dan to address.
- Nov. meeting: need a dinner venue (Pastina or Bob Evans catering) and details to be finalized and sent to Akron section. Craig to make recommendation at Oct meeting.
- Feb. meeting: need a decision on if we want to use the Hilton Fairlawn or to use a more Cleveland local venue.
- Website: take out the committee sections if we are not going to fill them out completely, move officers list and contacts to a tab on the main page, remove the LinkedIn link.
- Retec proposal was well received, but no formal agreement or suggestion for compensation for Cleveland section's help. Jerry will follow up.
- Injection Molding group is looking to work with us to potentially bring their Topcon to Cleveland.
- Bob Wieler brought up to Ron that PINFA (a non-halogenated FR producers trade group) is looking to hold a single day event at Case (given Case's new FR research efforts), and would like Cleveland SPE to assist.
- Budget was proposed for approval by Jerry and approved by board members present. IRS forms for the section have been submitted and accepted.
- Ron to appoint a board member to lead Oct meeting in his absence.

Counselor's Report – Jerry Blaine

The Fall meeting was moved up into August to help celebrate the Seventy Fifth Anniversary of the founding of SPE. There was a small gathering (~200) at the Gem Theater for this and to celebrate young professionals that are making their mark in the Plastics Industry.

The council meeting mostly involved meeting the New CEO Patrick Farrey, discussing and approving the changes needed in our bylaws to accommodate the New Executive Board structure that became effective this year.

The SPE has lost money the last two years and the goal is to break even for 2017. This is going to be tough since revenues have been going down.

E-members are increasing but full paying members in North America and Europe are decreasing, with revenue down even with the increased dues structure.

The non-dues revenue is up but most of this is due to the Wiley Bonus from taking over our publications. New TOPCONS being organized and run by the national office is another effort to increase revenue.

The biggest target for growing membership will be efforts to convert student members into full paying professional members. This will need a new value proposition since this generation not joining and paying for professional societies.

I attended the CAD summer meeting to discuss the planned TOPCON in Cleveland for Fall 2019. They will be sending us a proposal to help in this but it has not arrived yet.

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The IMD would like to have a TOPCON in Cleveland in 2018 and I will know more about this very soon and how we can participate in it.

All this information is available on The Chain in more detail in the Leadership Lane section.

SPE Cleveland Section Board Meeting Minutes ***September 11, 2017 (continued)***

House Report – Dan Crist

- Li to work with Dan to select and arrange for dinner venue for Oct meeting
- Craig to confirm dinner venue and details with Dan by Oct meeting
- John to work with Dan to select dinner venue for Feb meeting

Education Report – Dennis Meade

- Met with SPE Foundation to promote our scholarship
- Agreed to award \$1500 scholarship to Jeremy Stark
- Dennis proposed that a separate account be created for scholarships so that they can be funded separately from our routine business account and budget
- Foundation is asking for our support for at least one PlastiVan event

Membership Report – Li Nie

- most recent membership list from SPE has been distributed

Communications Report – Craig Potter

- Bruce Bille is still onboard as our webmaster and is open to changes and improvements in our communications.
- large Newsletter issue this month that covers May and July meetings and scholarship winners
- board has little interest in posting job opportunities for a fee
- board would like to do away with committee pages and bring board membership list to the front
- Jerry will let us know if a newsletter or website template comes down from SPE
- Craig to determine if we can create a Board-only page for shared files such as program calendar, newsletter calendar, etc

Submitted: Craig Potter, Sept 14, 2017



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SPE Cleveland Section – 2017 Scholarship winner

According to Dennis Meade, Education Chair, the Cleveland Section has awarded a scholarship to Jeremy Stack of Orange Village Ohio in September 2017. Jeremy was selected by the SPE Foundation on behalf of the Cleveland section and is attending Purdue University Indianapolis campus as a materials science major.

2017 – 2018 Cleveland SPE Programs (with Akron section)

Meeting	Topic	Speaker	Company	Location
9-Oct-17	Plastic Resin Development	Michael Fournes Walid Qaqish	Lubrizol	Brecksville OH
13-Nov-17	Failure Analysis	Jeffery Jansen	Madison Group	tbd
4-Dec-18	Holiday Party	Madrigal Singers		Tavern at Richfield
8-Jan-18	ACCESS	Joe Gingo CEO	A. Schulman / PolyOne	Akron Hilton
12-Mar-18	Plastics in Medical Field	Dr. Gao	Cleveland Clinic	Cleveland
12-Mar-18	Parker Hannifin Tour	Sahil Gupta	Parker Hannifin	Plant Tour
9-Apr-18	Plastics in Education			Akron Hilton
21-May-18	Cleveland Section Awards			tbd

2017 – 2018 SPE Cleveland Section Officers and Board of Directors

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