



SPEC *Sheet*

SOCIETY OF PLASTICS ENGINEERS – CLEVELAND SECTION

May 2016 Vol. 59 No. 8

www.specleveland.org

Editor: [Bruce Bille](#)

Upcoming Meeting: Monday, May 9, 2016

Awards Night

Location:

[Ratatouille Restaurant](#)
[3365 Richmond Rd. Ste. #130](#)
[Beachwood, OH 44122](#)

Agenda:

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

Price: \$35/person

Reservations:

Reservations must be in by noon on Friday, May 6th, and can be made with Dan Crist at mail@cmd-tip.com or 440-227-5424.

Quick Clicks:

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

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

Directions to May 9th Meeting

Directions from Cleveland:

From I-480 East, take I-271 North.

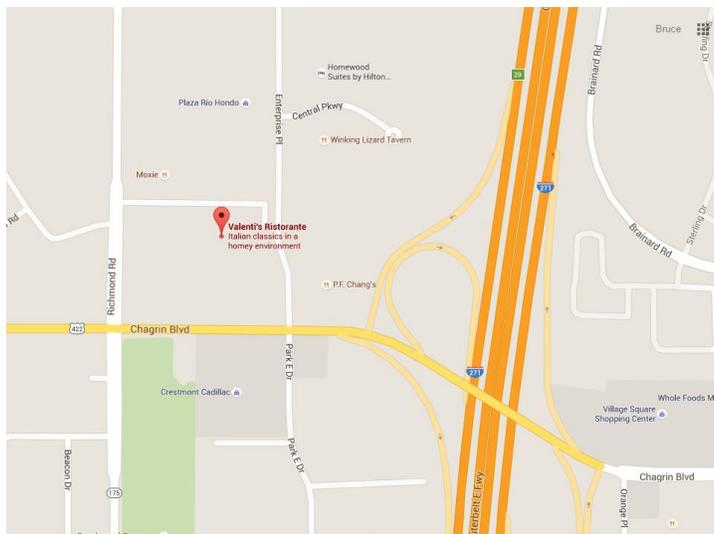
Take Exit 29 (Chagrin Blvd) and turn left (west).

At the second intersection, turn right onto Richmond Road.

Turn right at the first intersection (just past the Citizen's Bank).

Proceed to Ratatouille Restaurant (formerly Valenti's Ristorante).

(Click on the map to view in Google maps)



About the Awards Night Event:

Dinner Choices:

- Pappardelle Bolognese - Savory Rustic Meat Sauce, Brunoise of Carrots, Onion, Garlic, Celery and Shaved Parmesan; or
- Ratatouille Nicoise - A traditional vegetable stew with onions, garlic, EVOO, eggplant, zucchini, yellow squash, fresh Provencal herbs and tomatoes, served with garlic toast; or
- Piedmont Chicken - Over sautéed Escarole, artichokes, sun dried tomatoes, kalamata olives, capers with lemon butter sauce.

Education Committee Information for the May 9th, 2016 Awards Night:

High School Essay Contests for best essays on Plastics. Awards will be presented to:

1st Place Winner – “Plastic in Prosthetics” Co-Authors – Grace Lihani and Anna Seffemich

2nd Place Winner – “Enjoy Your Flight, Mr. Plastic” – Co-Authors – James Cook and Matthew Goepfert

3rd Place Winner – “The Hidden Hero of the World” – Co-Authors – Natalie Tisdale and Kyle Leonard

4th Place Winner – “Plastic: A key Element of Modern Day Music” – Co-Authors – Alex Lenhart and Calista Lewis

Our first place winners – Grace Lihani and Anna Seffemich will be invited to present their paper along with their instructor – Joseph Toner.

North East Ohio Science Fair Winners –

1st Place Paper – “Soft Thermoplastic Polyurethane Ionomer – Antimicrobial Properties
Author – Joseph Conti – St. Vincent, St. Mary High Grade 11-12

2nd Place Paper – “Layer by Layer Fabrication of Antifouling Surfaces Inspired by the Lotus Leaf
Author – Abby Volk – St. Vincent, St. Mary High Grade 11-12

3rd Place Paper – “Is Your Water Bottle BPA Free?”
Author – Rebecca Lin – Solon Middle School Grade 7-8

Our winners will be invited to present their papers at our Awards Evening.

PiNO, the Polymer Initiative of Northeast Ohio

Expand your pipeline of engaged & qualified talent with our graduate conference & job fair (PiNO 2016)

Dear Strategic Recruiters,

If you are looking to build and expand your candidate pipeline, please attend our live hiring event with graduate students seeking full-time employment in all science and engineering fields. PiNO is an annual one-day conference and job fair offering employers a unique and conducive environment for talent acquisition and retention through its community of engaged and qualified graduate students.

Don't let our name fool you - PiNO, the Polymer Initiative of Northeast Ohio, attracts graduate students from over 20 universities and 15 different fields in science and engineering, from materials science to aerospace engineering.

Attend the PiNO Live Hiring Event and enjoy the following:

- Company branded and marketed on social media sites
- Full color advertisement via logo on our website, flyers, and social media
- Email announcements sent to thousands of career seekers at over 40 universities
- Event resume database provided before event
- Reserved booth for job fair
- Job postings link via our website
- Source graduate students looking for full-time employment
- Evaluate candidate experience, knowledge, and communication skills by judging our poster competition
- Reconnect with academic research in your targeted field
- Join the following companies in their continued talent acquisition at PiNO 2016:



For more information about registration, rates, and the event, please view the attached flyer or visit our website at www.pinoconference.com. If you have any questions, concerns, or comments please contact our co-directors Daniel Brannum (djb172@case.edu) and Michelle Leslie (mtl49@case.edu).

Thank you,
PiNO 2016 Graduate Student Organization

Like us on Facebook: <https://www.facebook.com/PiNOconference>
Follow us on Twitter: @Polymer_iNO

TOPCON – September 20-22, 2016

The 12th TPE TOPCON on September 20-22 at the Akron Fairlawn Hilton will be trying something different this year. We will be holding a half-day primer on TPE basics on Tuesday afternoon. This is targeted at newcomers to the TPE industry and also those involved in production, sales or marketing who can benefit from a better understanding of TPEs. The chemistry, performance properties, formulating and applications will be covered for commodity, engineering and specialty TPEs. The TPE primer is independent and requires a separate registration fee.

The Conference this year will feature bio-renewables, additives for performance enhancement, processing scale-up, 3D printing, wearable technology and the latest material developments. We currently have twenty-six abstracts for papers with speakers from both industry and academia, and two excellent lunch keynote speakers. We will also have a student poster session presenting student polymer projects from local universities which will be included in the exhibit area.

We are in the process of signing up exhibitors and the very important sponsors. Anyone interested in being a sponsor or exhibitor should contact Kevin Malpass at kevin.malpass@diebold.com or 330-490-4743. This should be a very different TOPCON with a wide array of different topics. We are looking forward to seeing you in September.

2016 TOPCON Conference info:

Date of Event: September 20-22, 2016

Location:

Akron Fairlawn Hilton
3180 West Market Street
Akron, Ohio 44333

Registration Information

	By September 10	After September 10
SPE Member	\$395	\$445
Non-Member	\$445	\$495
Student	\$65	\$70

Important Links:

[TOPCON Website](#)

[Meeting Agenda](#)

[Reserve a Room](#)

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



Spritzgiessautomaten

Robert Koch
Midwest Regional Sales Manager

Cell: 484-645-3297

bkoch@boymachines.com

www.boymachines.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://specleveland.org/history-of-events>.

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>



Manufacturers of Quality Polymer Additives
for the Global Polymer Industry
www.valtris.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
Fax: 330 225 8777 Internet: www.cmd-tip.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

President Elect

Martin Menish
Lubrizol Corp.
C: 570-441-8951
mwmensch@gmail.com

Past President

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

Secretary

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

Treasurer

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

Advertising

David Lapierre
Omya, Inc.
440-465-2883
David.Lapierre@omya.com

Technical Programs

Martin Menish
Lubrizol Corp.
C: 570-441-8951
mwmensch@gmail.com

Education

Dennis Meade
Chroma Colors
(419) 202-6685
dmeade@chromacolors.com

Awards

Ron Raleigh
Valerus Chemical
210-875-7250
ron.raleigh@valeruschem.com

Councilor

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

Membership

Matt Caslow
Dynesco
330-573-3285
Matt.Caslow@dynisco.com

Web Content

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

Future SPE Cleveland Section Programs

Month	Date	Topic	Location
May	9	Awards Night	Ratatouille Restaurant 3365 Richmond Rd. Ste. #130 Beachwood, OH 44122

Polymer Initiative of Northeast Ohio

June 10, 2016 · Cleveland, OH



WHEN

Friday June 10, 2016
8 am – 5 pm

WHERE

Tinkham Veale University Center
11038 Bellflower Rd
Cleveland, OH 44106

THEME

Technical Leadership

WHAT IS PiNO?

The Polymer Initiative of Northeast Ohio (PiNO) Conference was started by the graduate students in the Case Western Reserve University Macromolecular Science and Engineering Department. It is a student organized and run career fair and conference. In 2015, PiNO attracted about 150 students from over 20 universities in approximately 15 different fields of study. PiNO is a one-day conference that allows students seeking internships, co-ops, or full-time employment to present posters and network with industry representatives from numerous companies. It consists of a company representative judged poster session, a keynote speaker, resume workshops, and a job fair. This conference is geared towards, but not limited to, students in the following fields: macromolecular/polymer science and engineering, chemistry, chemical engineering, biomedical engineering, and materials science and engineering.

WHY PiNO?

The benefits of your participation in this one-day career fair:

- Company branded and marketed on social media sites
- Full color advertisement via logo on our website, flyers, and social media
- Email announcements sent to thousands of career seekers at over 40 universities
- Event resume database provided before event
- Reserved booth for job fair
- Job postings link via our website
- Source graduate students looking for full-time employment
- Evaluate candidate experience, knowledge, and communication skills by judging our poster competition
- Reconnect with academic research in your field

PiNO 2016 COMPANY REGISTRATION RATES

Registration for each representative includes conference admission, breakfast, lunch, and parking spot reservation/validation. Additional information for all costs can be found on our website!

Job Fair & Conference Admission (includes conference admission, breakfast, lunch, and parking)	
Company job fair registration (one 6-foot table, digital resume book, 1 company representative)	\$400
Each additional company representative	\$50/representative
Company Advertising	
Company logo advertising (logo on all PiNO advertising, website, conference booklet, and continued recognition of attendance)	\$400
Receive <i>discount</i> on company advertising cost for each representative attending!	- \$75/representative
General Conference Admission (includes conference admission, breakfast, lunch, and parking)	
Company representative general admission (does not permit job fair attendance)	\$150/representative
Additional Sponsoring Opportunities	
Head Shots	\$800
Resume Competition Award (chosen by sponsoring company; resumes provided 1 week before PiNO)	\$200
Conference Abstract Booklets	\$500
Breakfast Catering	\$600

For registration & more information go to: www.pinoconference.com

Mar-Bal Fact:

LESS PARTS
IN YOUR PRODUCT,
————— **MEANS** —————
MORE MONEY
IN YOUR WALLET.

AT MAR-BAL, WE UNDERSTAND THAT USING TOO MANY PARTS COULD BE COSTING YOU MONEY.

With our **One-Source model**, you can eliminate separate molding and finishing costs by providing one mold with finishing where before you needed three or more. Let us show you how consolidating multiple parts or processes into one could be a substantial cost savings for you.

When you switch to Mar-Bal, production doesn't have to be a puzzle.

HOW CAN INNOVATIVE PRODUCTS BY MAR-BAL SAVE YOU MONEY?



The One-Source Solutions Provider

DESIGN | FORMULATE | COMPOUND | MOLD | FINISH

Thermoset Composites

OHIO PLANT
Chagrin Falls, OH

VIRGINIA PLANT
Dublin, VA

MISSOURI PLANT
Cuba, MO

R&D TECHNICAL CENTER
Chagrin Falls, OH

ASIA SALES OFFICE
Shanghai, China



mar-bal.com



ADVANCED MEASUREMENT TECHNOLOGIES



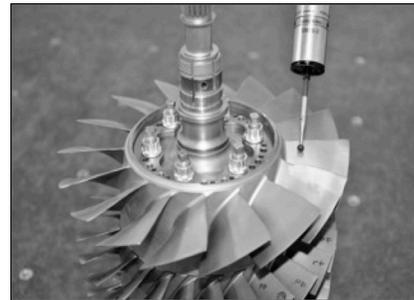
MEASUREMENT YOU CAN TRUST!

ISO 17025 CERTIFIED
CONTRACT INSPECTION SERVICE



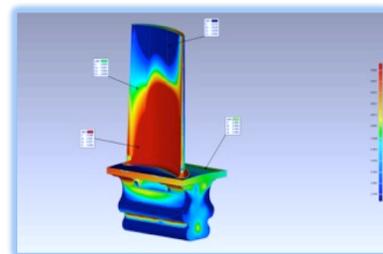
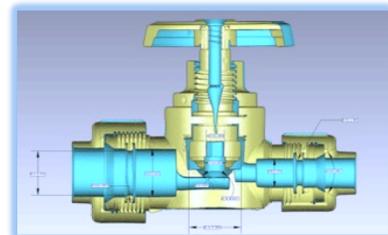
SERVICES:

- ISIR/FAI
- CAPABILITY STUDIES
- TOOLING & FIXTURE
VERIFICATION
- THIRD PARTY INSPECTION
- SCANNING/DIGITIZING



CAPABILITIES:

- VISION
- CT SCANNING
- CMM TOUCH PROBE
- CMM SCANNING PROBE



PHONE: 262-404-5196
INFO@ADV-MEASUREMENT.COM

WWW.ADV-MEASUREMENT.COM