



PALISADES  
NEW JERSEY

# SPEC SHEET

Newsletter of the Palisades - New Jersey Section

THE SOCIETY OF PLASTICS ENGINEERS

APRIL 2019

## PALISADES-NEW JERSEY SECTION JOINT APRIL MEETINGS

### MEETING W/ THE LEHIGH VALLEY SECTION AT LEHIGH UNIVERSITY



LEHIGH  
UNIVERSITY.

TUESDAY, APRIL 16, 2019

#### ADDITIVE MANUFACTURING 101

Additive Manufacturing 101: The field of 3D printing has become increasingly crowded over the last several years and media hype has created a lot of confusion.

Brian Slocum, Director of Lehigh University's Additive Manufacturing Lab will cover the seven different families that make up the current AM industry, talk in detail about the technologies, how they are being used in industry and the current state of development of new and emerging technologies and materials. The talk will be followed up by a tour of Lehigh's facilities so that attendees can see many of these technologies in use.

The seminar and tour will be held at Lehigh University in the Wilbur Powerhouse (12 East Packer Ave., Bethlehem, PA 18015). It is recommended to park in the Zoellner Arts Center and walk down Packer Avenue.

SPE Students - Free  
SPE Members - \$20  
Non-Members -\$30

6:00 PM Technology Tour  
7:00 PM Dinner at Campus Pizza  
(or immediately after tour)

[Click](#) for more information and to RSVP

### MEETING W/ THE RUTGERS STUDENT CHAPTER BUSCH CAMPUS

SEE PAGE 2 AND 3 FOR DETAILS AND MAP

THURSDAY, APRIL 25, 2019

#### VARIATIONS IN VARIABLE HEIGHT IMPACT TESTING

MARK LAVACH, ARKEMA

The presentation will focus on a summary of the work done to characterize the variability associated with the various components of the vertical height impact tester with respect to ASTM D4226/D5420. Contributors to test result variability including basic powder flow analysis, the effect of various tester components, and compositional variation in finished parts will also be discussed. As part of the presentation, statistical concepts utilizing statistical design of experiments, SQC charts, confidence intervals, and regression analysis will be referenced.

#### Biography

Mark is employed by Arkema Inc. where he manages the Analytical and Systems Research Group. Previous to holding this role he was responsible for North American PVC Additives technology development. He holds multiple US Patents and has authored publications in the fields of polymer additives and physical testing, and is a 3 time recipient of the Best Technical Presentation at SPE's Vinyltec® Annual Technical Conference. Mark is currently Chairman of ASTM International's D20 Committee on Plastics. In 2009 he was awarded D20's Award of Excellence, and in 2012, he received ASTM International's Award of Merit, carrying with it the title of Fellow of the Society. Mark actively participates on the Technical Committees of the Vinyl Siding Institute (VSI) and was awarded the Institute's "Ken Mieure Award for Distinguished Service" in 2011. A member of Society of Plastics Engineers (SPE), Mark served three terms as President, Palisades-New Jersey Section, and is currently its Education Chair. He also serves on SPE's Vinyl Division Technical Program Committee and served as Technical Program Chair for Vinyltec® 2010 and 2013 as well as General Chair for Vinyltec® 2016. In 2016 he was awarded the SPE Vinyl Division's prestigious "Contributions To Vinyl Award" which recognizes significant technical contributions to the vinyl industry. Mark holds an M.S. in Engineering Science from the New Jersey Institute of Technology as well as a Certificate in Technology Management from the California Institute of Technology.

## APRIL 25 MEETING VENUE

MEETING LOCATION: BUSCH STUDENT CENTER  
 The board meeting and the dinner will be held in “The Cove” which is located at the center of the Busch Student Center. **A parking permit is needed; a link will be emailed next week for parking in Lot 59.** If using Google Maps use the following address: Lot 59, Piscataway, NJ 08854. *Note that for other map services and GPS software the following address must instead be used for Lot 59: \*Bowser Road, Piscataway, NJ 08854.* Additional parking is available in Lot 60 and 61 which are located next to Lot 59 on Browser Road.

THURSDAY APRIL 25, 2019

4:00 PM Board Meeting  
 5:30 PM Networking/Dinner Meeting  
 Members and guests: \$45  
 Students: free with RSVP

RSVP by April 23 to Pete Hayles  
[peterhayles11@gmail.com](mailto:peterhayles11@gmail.com) 732-569-2368

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### UPCOMING EVENTS FROM PHILADELPHIA SECTION

April 16-17, 2019 **Plastic Pipe TOPCON,**  
 West Conshocken, PA



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### Flame Retardant Concentrates & Compounds

Code	Type	Carrier Resin	LDR	Usage For V-0
100532	O-Halogen	PE	100%	Compound
103132	O-Halogen	EVA	100%	Compound
11371	Brominated	PE	18-20%	Concentrate
401155	Brominated	PP	18-20%	Concentrate

Other flame retardant, foams and specialty additive concentrates for various resin types (HDPE, PVC, PP) are available.

Contact Joe Serbaroli at: [joseph.serbaroli@ampacet.com](mailto:joseph.serbaroli@ampacet.com) or:

**Ampacet Corp., Tarrytown, NY 800-888-4267**

### UPCOMING IMPORTANT DATES

MONDAY MAY 13TH

Register for the Philadelphia Section golf outing, at the Applecross Country Club in Downingtown, PA. For more info, [click here](#) or contact Nick at [nicholas.deluca@lubrizol.com](mailto:nicholas.deluca@lubrizol.com).

THURSDAY, MAY 16

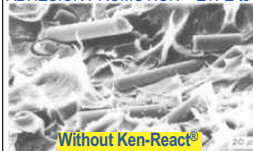
Awards Night

Scholarship recipients will be honored at the awards banquet.

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# DRIVING DIRECTIONS TO THIS MONTH'S MEETING - RUTGERS UNIVERSITY

## Arriving via Route 18 North

- 1 Take the exit toward Campus Rd/Rutgers Stadium/Busch Campus
- 2 Merge onto Campus Road
- 3 At the traffic circle, take the 1st exit onto Bartholomew Rd.
- 4 Turn left onto Brett Road at the first intersection (4-Way Stop Sign)
- 5 Take the first right onto Bowser Rd
- 6 Last Parking lot on the Left is Lot 59.

## Arriving via 287 South

- 1 Take exit 9 for River Rd toward Bound Brook/Highland Park
- 2 Turn right onto River Road. Go 2.4 miles.
- 3 Turn left onto Hoes Ln W.
- 4 Turn slight right onto Frelinghuysen Rd. Continue onto traffic circle.
- 5 At the traffic circle, take the 3rd exit onto Bartholomew Rd.
- 6 \*follow steps 4-6 above for Brett Road to lot 59

## Arriving via 287 North

- 1 Take exit 9 for River Rd toward Bound Brook/Highland Park
- 2 Turn left onto River Road. Go 2.4 miles.
- 3 Turn left onto Hoes Ln W.
- 4 Turn slight right onto Frelinghuysen Rd. Continue onto traffic circle.
- 5 At the traffic circle, take the 3rd exit onto Bartholomew Rd.
- 6 \*follow steps 4-6 above for Brett Road to lot 59

From the South via Routes I-95 and US-1 or from the north using US-1: take Route 1 to Route 18 north, then follow instructions on Arriving via Route 18 North.

From the New Jersey Turnpike: Take Exit 9 (*New Brunswick*) of the turnpike, after the tollbooth keep right to follow Route 18 North about 3 miles to the Rutgers Campus, then follow instructions on Arriving via Route 18 North.



Google Maps Photo

## THE PALISADES-NEW JERSEY SECTION OF THE SOCIETY OF PLASTICS ENGINEERS OFFERS ACADEMIC SCHOLARSHIPS

Young people are not only our pride and joy but they are also the future leaders of the world. So, they deserve our blessings and support. With that in mind, the Palisades-New Jersey Section of the Society of Plastics Engineers (SPE) is proud to offer academic scholarships to associated members who have demonstrated excellence in various fields of study. The scholarship categories and criteria are listed below. If you, or a family member, are interested in participating **please submit the required documents by April 20, 2019.**



If you are not a current member of SPE but you are interested in joining or becoming affiliated with the SPE Palisades-New Jersey Section, please contact Mike Carnese, 732-208-4333, [mjcarnese@msn.com](mailto:mjcarnese@msn.com) or visit <http://www.4spe.org>

Scholarship Name	Scholarship Award	Number Available	Academic Criteria	Society of Plastics Engineers (SPE), Palisades-New Jersey Section Criteria
<b>ALVA WHITNEY GRADUATE SCHOLARSHIP</b>	<b>\$4,000</b>	<b>1</b>	Graduate Study In Any Field, Applicant must be in good academic standing	Full, Affiliate or Student SPE Member or Child or Grandchild of active Palisades-New Jersey Section Member
<b>JACK RYAN UNDERGRADUATE SCHOLARSHIP</b>	<b>\$4,000</b>	<b>1</b>	Undergraduate Study in Any Field, Applicant must be in good academic standing	Full, Affiliate or Student SPE Member or Child or Grandchild of active Palisades-New Jersey Section Member
<b>RICHARD BRADLEY AND STEPHEN DUERR UNDERGRADUATE SCHOLARSHIPS</b>	<b>\$2,000</b>	<b>2</b>	Undergraduate study in Physical, Chemical, or Materials Science/Engineering, Applicant must be in good academic standing	Full, Affiliate or Student SPE Member or Child or Grandchild of active Palisades-New Jersey Section Member
<b>FRANCIS McANDREW AND SAL MONTE HIGH SCHOOL SCHOLARSHIPS</b>	<b>\$2,000</b>	<b>2</b>	Planned Study in any field	Graduating High School Student at time of award, Child or Grandchild of an active Palisades-New Jersey Section Member
<b>PALISADES-NEW JERSEY DISCRETIONARY SCHOLARSHIPS</b>	<b>Varied</b>	<b>TBD</b>	Graduate or Undergraduate Study In Any Field, Applicant must be in good academic standing	Full, Affiliate or Student SPE Member or Child or Grandchild of active Palisades-New Jersey Section Member

To apply for a scholarship, please submit the documents listed below. Official transcripts must be submitted by postal mail or courier (i.e. FedEx, UPS) to the address below. Transcripts are considered confidential and will not be viewed by anyone outside of the evaluation team. Essays and membership information may be submitted by email to [mark.lavach@arkema.com](mailto:mark.lavach@arkema.com)  
*Submit official transcripts to: Mark Lavach, ARKEMA INC. 900 First Avenue, King of Prussia, PA 19406*

Required Documents:

- Official Transcript
- A one to two page essay describing your contributions to your chosen field of study or how the scholarship award might help you to achieve your future goals.
- Your SPE membership number or the number of the member to whom you are related (as necessary).

**The deadline for submissions April 20, 2019.**

**Awards will be announced in early May 2019 and will be distributed at the final Palisades-New Jersey Section Meeting.**

### Tom Nosker Honored by NAI

Tom Nosker, Rutgers professor of materials science and engineering, was elected a Senior Fellow of the National Academy of Inventors. According to Rutgers Today, he “spent most of his early career developing plastics recycling technologies, and many have been commercialized worldwide. These include resin recovery systems for polyethylene terephthalate (PET) soda and water bottles, plastic lumber and structural plastic as is used in railway ties and vehicular bridges. Since 2011, much of his effort has been on developing graphene-polymer matrix composites, which are made directly from mined graphite and any type of polymer. These materials are very competitive with carbon fiber composites and are produced from much lower-priced raw materials. He currently has 26 U.S. patents and hundreds internationally.” Dr. Nosker is a researcher in the Rutgers-based AMIPP Advanced Polymer Center, which explores immiscible polymer blends and the novel structures and materials obtained by processing such blends.

### Councilor’s Report Highlights

The March Council Meeting opened with a sad note, with the report that Vicki Flaris, former President of SPE, passed away in February, and that Toi Ho was killed in an auto accident.

Officer election results were announced: Jaime Gomez is President Elect, Linzi Nobel is VP Young Professionals, and Bruce Mulholland is VP Events.

ANTEC®s will officially be held in March as opposed to May going forward. This is in response to the desire to have as many students involved as possible. May is too near the end of the school year and therefore a detriment to student participation. Next year, ANTEC® will be March 22-25 in San Antonio. Brian Landes (Dow Chemical) spoke as the Incoming Society President. His “word” guiding his year as President is ASPIRE.

Brian shared a compelling film about ocean plastics; Dow, among other major resin companies, have joined [the Alliance to End Plastic Waste](#) (AEPW), which was founded in January, 2019.

Eve Vitale spoke about the SPE Foundation. The primary functions of the Foundation are Scholarships and The Plastivan. The Plastivan has added regional facilitators deployed more locally, which has increased revenue and reduced expenses.



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*Maggie Baumann*

Maggie Baumann, Councilor, Palisades New Jersey Section



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Arya Tewatia	Rutgers University	Secretary	908-565-1231
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[Contact any person on this page by emailing info@spe-pnj.org](mailto:info@spe-pnj.org)

### Committee Chairs

Awards:	TBD	
Finance:	Art Finkle	203-572-8923
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