



SOCIETY OF PLASTICS ENGINEERS – CLEVELAND SECTION

September 2015 Vol. 59 No. 1

www.specleveland.org

Editor: [Bruce Bille](#)

Upcoming Meeting: Monday, September 14, 2015

Biomimicry – Leveraging 3.8 Billion Years of Innovation

Presented by Emily Kennedy, Biomimicry Fellow, University of Akron

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

Quick Clicks:

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

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

Reservations:

Reservations must be in by noon on Friday, Sep. 11 with Bob Wegelin at robert.wegelin@att.net or 330-414-1498. Please be sure to include the company affiliation of each attendee and any dietary restrictions.

About the Presentation

Life first appeared on our planet 3.8 billion years ago. Since then, evolutionary processes have been vetting survival strategies. Failures are fossils and successes are represented by the 10+ million species inhabiting Earth today. In essence, nature is a huge pool of free R&D. Biomimicry –sustainable innovation through emulation of biological forms, processes, patterns, and systems –is based on this idea. Think Velcro, a non-toxic, glue-less adhesive inspired by how burrs stick to animal fur. Emily Kennedy, representing the first cohort of Biomimicry Fellows at the University of Akron, will share how some of nature's best ideas have been repurposed to solve human challenges, and how Northeast Ohio is rapidly becoming a hub for biomimetic innovation thanks in large part to the efforts of Great Lakes Biomimicry Collaborative.

Directions to September 14th Meeting

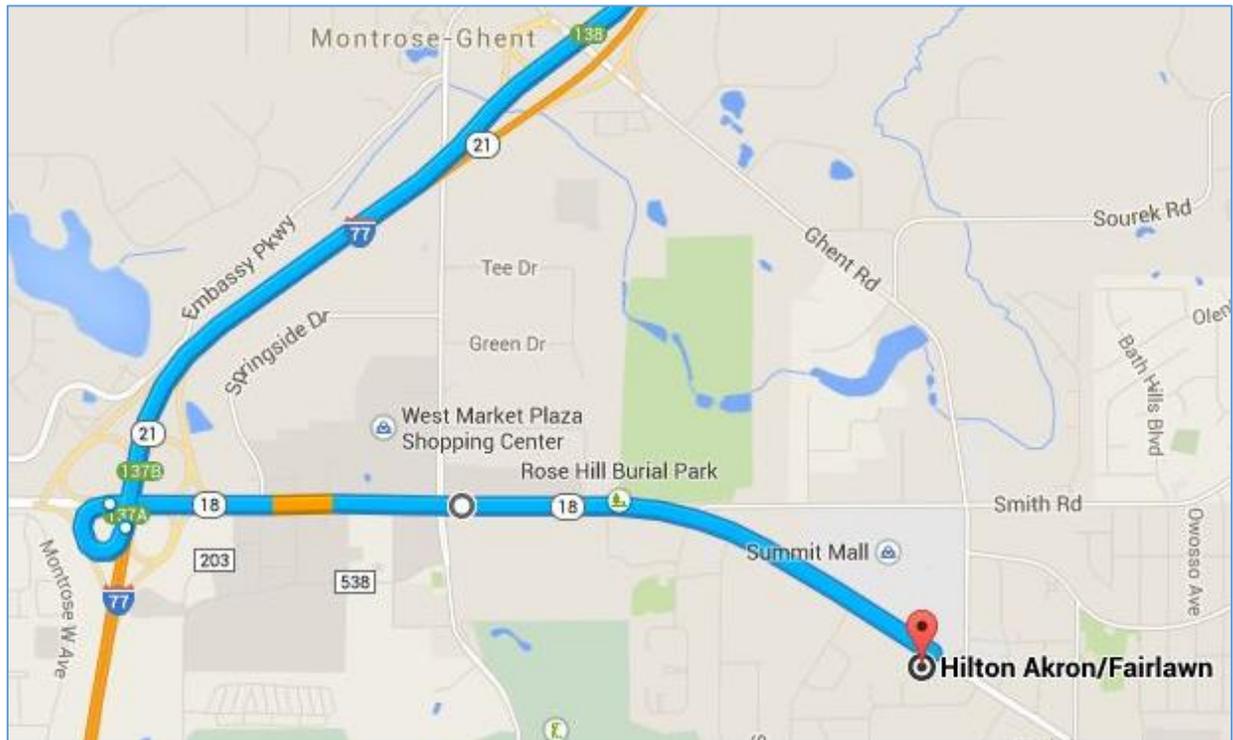
Directions from Cleveland:

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 Presentation

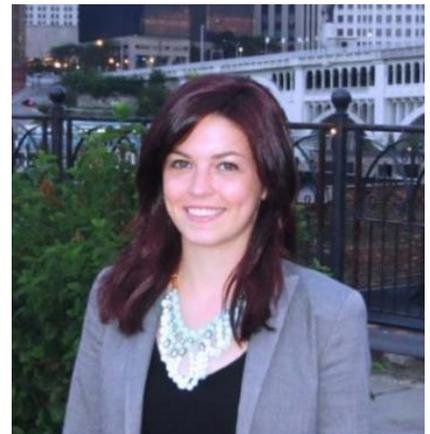
Emily Kennedy -Biomimicry Fellow, University of Akron

Emily has a BA in International Relations (Minor: Environmental Studies) from Colgate University. She is currently pursuing a PhD in Integrated Biosciences at the University of Akron as a member of the university's first cohort of Biomimicry Fellows.

Emily's graduate studies are sponsored by GOJO, Industries, Inc., and she spends two days a week embedded in GOJO's R&D department supporting sustainable product innovation inspired by nature.

She's been an active contributor on numerous innovation projects including development of energy-efficient soap and sanitizer dispensing systems and topical treatments for use in long term care settings.

For her dissertation, she is generating and testing theory about best practices for biomimetic innovation; with a particular focus on what works in business contexts. Emily believes a procedural template will channel the biomimetic innovation process in a manner that boosts outcome value.



President's Message

By Rik Keeley

Welcome to the 2015-2016 SPE year. We have a great program for our Cleveland and Akron Section members. All meetings will be held jointly with the Akron Section except for our separate Award Nights. You will find program details on the Cleveland SPE website (specleveland.org). Note that meetings will be held in the Akron-Fairlawn Hilton on West Market Street on the second Monday of each month unless otherwise indicated.



We start the year on September 14 with an exciting presentation on a new field of study called BioMimicry. We have one of the first 3 doctoral fellowship students from the University of Akron describing this exciting new field of science that studies how we can learn from the experts in Nature to solve problems. We follow this on October 12 with a presentation, “The World’s First Injection-Compression-Stretch-Blow Molding” (ICSBM) system from SIPA, Italy.

Starting on Tuesday, October 13, the Akron Section in partnership with the Vinyl Plastics Division will be hosting the 2015 Vinyltech TOPCON for the first time. Tuesday’s workshop will be followed with 2 days of presentations. You will hear the latest in vinyl materials, applications, processing, design and global marketing. The Conference features a welcome mixer and exhibits on the Tuesday evening, a Wine and Cheese reception on Wednesday evening, two luncheons with keynote speakers and 29 papers on Wednesday and Thursday. The exhibits will be open throughout the Conference. It is not too late to register or reserve a table to exhibit your products or be a sponsor. A brochure with technical program, Conference and hotel information will be available soon. We look forward to seeing you there!!

The Cleveland section will host a presentation on November 9 that discusses the latest in material technology, a new way to truly measure melt flow of materials from Beaumont Technologies. We follow this with our Joint Cleveland/Akron holiday celebration on December 7 at the Taverne of Richfield.

On January 11 the Akron section will host a joint meeting with ACCESS (a consortium of scientific and engineering societies in Akron), with a presentation by a former astronaut from NASA on Extreme engineering and their plans for Mars. On February 8, the Cleveland section will host RTP with a presentation on using long fiber to replace metal with plastic and will be followed on March 14 with a tour and presentation on solar power at Case Western University.

On April 11 the Akron section will host the first teacher/industry collaboration event, to help teachers get the word out about careers in plastics. We finish the year with recognition on May 9.

The calendar of the details of the Section Program meetings is available on the SPE Cleveland website. (specleveland.org) I think you will find the program educational, varied and fun. Please come and learn, participate and enjoy the camaraderie.

To close, we always need fresh faces on our Board of Directors, so if you want to be thoroughly involved with the many Section activities, please get back to any board members or I and we will be glad to sign you up!

Have a GREAT SPE YEAR.

Richard W. (Rik) Keeley

President 2015-2016 Cleveland Section of SPE (s003)

SPE Cleveland Section Board Meeting Minutes June 22, 2015

Discussed new board members for 2015-2016 year, and committee openings.

Need to get more involved with Case Western. Should start a student chapter at Case. Need to find a student chapter advisor. Matthew Harthcock to assist Ron Raleigh with this activity.

The section needs a new president elect for 2015-2016 year.

To increase membership / member activity, plastics companies should be contacted directly and invited to send people to SPE meetings and events. All board members to send Rik Keeley names of companies and contacts.

SPE website in need of updates. The "about" section needs to be written and posted. Morris Amon will write SPE Cleveland Section history. Matthew Caslow to write Membership Committee information. Some dead links have been removed. Blank pages of website should be de-linked.

David LaPierre will be the Advertising Committee Chair for 2015-2016.

Motion approved for Samuel LaPierre to be candidate for scholarship. \$1500 scholarship to cover 2015-2016 school year.

Dennis Meade awarded recognition in the plastics industry.

All board members need to be paid for the coming 2015-2016 year.

SCREW TIPS

FOR PLASTIC INJECTION MOLDING

- 3 PIECE RING VALVES**
- 5 PIECE RING VALVES**
- BALL CHECK VALVES**
- POPPET CHECK VALVES**



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Congratulations!

The Cleveland Section of SPE is proud to have recognized **Dennis Meade** for his service to the plastics industry of Ohio. Dennis was presented with a certificate acknowledging his service and a customized hardwood pen and pencil set that commemorates his accomplishment.

Dennis has been a long standing member of SPE with history in the now defunct Firelands section of SPE. He is the chair of the Cleveland section's Education committee, and the driving force behind their efforts to reach today's youth showing them the benefits of the plastics world.

Dennis, we would like to thank you for all you have done for the Cleveland section of SPE and for the local plastics community.



VINYLTEC 2015 - Enabling Technologies for the Future of the PVC Industry

Join us, in Akron, Ohio, October 13-15 for an exciting 3-day Vinyl Plastics Division event focusing on both rigid and flexible vinyl.

The 2015 conference features a special one-day, pre-conference PVC Compounding Workshop.

For more info, go to: <https://www.eiseverywhere.com/ehome/122014/276225/>

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

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>

MORIS AMON PhD

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Member and supporter of
SPE Cleveland Section.

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Future SPE Cleveland Section Programs

Month	Date	Topic	Location
Oct	12	Extreme Syncro, the world's first ICSBM system	Hilton Akron/Fairlawn
Oct	13-15	Vinyltec Conference Click Here for more info, registration	Hilton Akron/Fairlawn
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	Solar Power	Hilton Akron/Fairlawn
Apr	11	Industry and Academics	Hilton Akron/Fairlawn
May	9	Awards Night	TBD



VINYLTEC 2015

Enabling Technologies for the Future of the PVC Industry

October 13-15
Akron, Ohio USA



The Vinyl Plastics Division and the Akron Section of the Society of Plastics Engineers are co-sponsoring Vinyltec® 2015 – “Enabling Technologies for the Future of the PVC Industry”. This two-day conference will be held October 14 & 15, 2015 at the Akron/Fairlawn Ohio Hilton. The conference will be preceded by a one-day, pre-conference, **PVC Compounding Technology and Materials** on Tuesday, October 13. The seminar is held independently of the conference, and as such, a separate registration fee is required.

You can register for the conference and the pre-conference workshop agenda by following <http://www.4spe.org/> and Hotel Reservations at: <http://www.akronhilton.com/contact.html>

Once again, we are seeking corporate donations to fund part of the costs of the conference, by offering Tabletop Exhibits and Sponsorships of Coffee Breaks, Luncheons and a Cocktail Reception. **Tabletop Exhibits are available at \$1,000 per booth for the VINYLTEC conference and include ONE complimentary conference registration.**

There are special sponsorships available per the attached listing. You must pre-register on line to obtain the complimentary registrations.

As in the past, all excess profits from the Vinyltec® conferences have helped fund the Scholarship Programs of both the Division and Section. Your generosity has helped many deserving students continue their plastics education. We hope we can count on you again this year.

You can register for any sponsorship online at <http://www.4spe.org/> or contact Sue Wojnicki directly at swojnicki@4spe.org or by phone at 1 203-740-5420. For questions on exhibits / sponsorship levels please contact Kevin Malpass at kevin.malpass@diebold.com 330-490-4743.

Please tell your fellow employees and friends about the Vinyltec® 2015 conference and workshop, and join us at the Akron/Fairlawn Hotel in October. I look forward to welcoming each and every one of you.

Sincerely,

Viv Malpass VINYLTEC 2015



ADVANCED MEASUREMENT TECHNOLOGIES



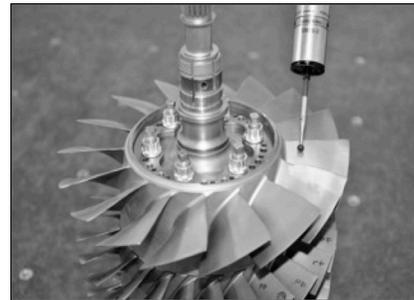
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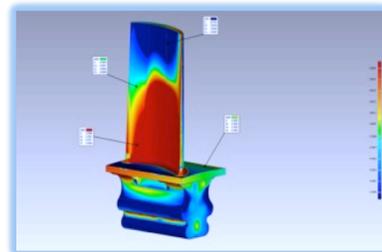
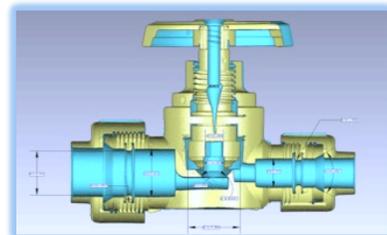
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