Degradable Amino Acid Polymers for Biological Applications
by Dr. Matthew Becker, UA & ABI

Monday, October 15, 2012
Akron Polymer Systems
62 N Summit St, Akron, OH 44308

Agenda:
4:30  Board Meeting
5:30  Registration & tour for early arrivals
6:00  Program
6:45  Tour of Akron Polymer Center
7:30  Attendees are invited to meet for dinner (at attendee's cost)
      Luigi's Restaurant - 195 N Main Street, Akron, OH 44308
      Please note: Luigi's does not accept credit cards.

Cost:
Members/Guests: $5 meeting; dinner/drinks at attendee expense

Quick Clicks:
About the Program
About the Speaker
Directions to the Meeting
President’s Message
Upcoming Events

Reservations must be in by noon on Friday, Oct. 12th
with Mark Holtman at holtman@uakron.edu or 330-972-6008.
Directions to October 15th meeting:

From Cleveland, take I-77 South all the way to Akron
On the south side of Akron, take Rte 59 (MLK Blvd) north.
Take MLK Blvd, and turn right on N. Summit St.
Akron Polymer Systems is located at 62 N Summit St.

Located on Summit between East Market St and Perkins St (Martin Luther King Jr Blvd); parking and entrance are at the south side of the building. Overflow parking is on the street or at the former Christian Science Reading Room, north of APS, at the corner of Summit and Perkins.

About the Speaker

Dr. Becker is an Associate Professor in the Department of Polymer Science at the University of Akron. His research group focuses on synthesizing highly functional macromolecular materials for medical, orthopaedic and regenerative medicine applications. He is the Co-Director the industrially-focused Akron Functional Materials Center and also leads the Center for Biomaterials in Medicine of the Austen Bioinnovation Institute in Akron.

Prior to joining UA, Dr. Becker was an NRC postdoctoral fellow and then project leader of the bioimaging and tissue engineering programs in the Polymers Division of the National Institute of Standards and Technology (NIST). He also led the biomaterials efforts of NIST Combinatorial Methods Center and facilitated Polymers Division interactions with the research divisions of the U.S. FDA.

Dr. Becker received his PhD in Organic Chemistry in 2003 from Washington University in St. Louis under the supervision of Professor Karen L. Wooley where he was an NIH Chemistry-Biology Interface Fellow. He received his BS in Chemistry in 1998 from Northwest Missouri State University.
Hi everyone! I suppose I don’t even need to ask if you are all tired of hearing about the elections. I hesitate to even make it worse, but somehow I am compelled to write this article. Did you know that if you live in states other than Ohio (and a few other battleground states), there are hardly any ads on TV or people calling you to vote for this or that or whomever? The money spent just on presidential candidates is astounding! Here are the top eight:

- Florida - $77 million (4.3%)
- Virginia - $74 million (6.4%)
- Ohio - $72 million (12.3%)
- North Carolina - $59 million (N/A)
- Pennsylvania - $51 million (10%)
- Colorado - $33 million (5.6%)
- Nevada - $31 million (3.4%)
- Iowa - $30 million (13.6%)

The rest are hardly worth mentioning since the next one is almost half as much as Iowa and dropping even faster after that. What happened to New York, California, Michigan, Illinois or even Texas? I would think they would be high population, important states to win. When I look at the list of states under fire, which ones stick out as manufacturing states? The percentages following the campaign numbers are the percent of workers devoted to manufacturing in that state. If this campaign is about jobs as much as you hear, I would think even more manufacturing states would be high on the list.

I am so confused! It seems like there have been so many times over the years that I have voted that the main objective always comes down to who you think will do the least damage. (The lesser of two evils!) But we still need to vote and I look forward to it. Hopefully it will really work out for us this time whether we stay the course or have a new leader. Somehow this country always manages to land on its feet. I am still glad I live in a democracy despite these campaign overdoses.

Either way, we will still have our plastics!

Gary Casterline
Meeting brought to order by Gary Casterline at 4:30 PM at Chili’s in Fairlawn, OH. Attending were Gary Petruska and Jerry Blayne and John Sovis.

**Treasurer’s Report** (Blayne) – Jerry will contact the auditor to do our audit by mid-November. He is predicting a $2750 loss for this coming year based on the budget we approved. M/P (Sovis/Petruska)

**Secretary’s Report** (Casterline) – Approved as published in September newsletter (Sovis/Petruska)

**Advertising Report** (Sovis) – We have 4 advertisers interested, but we do not have payments from all of them yet. Component Manufacturing and Design (CMD), Boy Machines, Casterline Plastics Consulting and DME. We discussed whether the ads are too cheap now based on the cost it takes to add them to our newsletter and website. $75-100 may be a better least cost to still make a little on even a business card advertisement. More discussion next meeting.

**Education** (Casterline) – Need to publish essay contest and scholarship information to schools by November. Still trying to get a better list of email addresses for schools in our region. Will we have anyone available to judge the essay contest this year? We may have to volunteer someone to help us.

**Councilor** (Petruska) – Gary attended meeting in Dearborn. We now have 14,300 members. The new SPE website is not working too well so they will go back to the old one for now. October will be a higher than normal rebate because apparently they were being calculated incorrectly. There will be no retroactive correction. There was a lot of debate about the rebate formula. Divisions get a different amount than sections and larger sections get more than smaller ones although it depends on whether you are in a big or small section if you believe that. Our new Chief Executive Officer, Willem De Vos, would like to run our organization more like a business. We are not sure what that means yet and we had hoped that is what we were always striving for, but we will wait and see.

**Student Chapter** – Case Western Reserve wants to start up their chapter again according to Dave Schiraldi. We need to see how we can help them. More contact needed.

**New Business** –

- Budget was brought up for approval by Jerry. M/P (Petruska/Sovis)
- Ideas to make money (no decisions made):
- Bring a member raffle (get raffle tickets for bringing someone, but you can also buy them. Something like a 50/50 raffle, but made to encourage bringing people to the meeting. Prize would accumulate over several meetings)
- Vendor night (charge vendors $100-200 per table and give them 10-15 minutes to do a pitch as the meeting agenda)
- Chili’s heard us talking and mentioned we can have an event night where we would give people a coupon for dinner a certain night and they would give us a 15% rebate for everyone that used the coupon

Meeting adjourned 5:29 PM and proceeded to Yellow Tail Restaurant for Fracking meeting with the Akron Section.
Upcoming Events

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>Oct 22-24</td>
<td>VINYLTEC 2012</td>
<td>Marriott O'Hare Hotel</td>
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<tr>
<td></td>
<td>Program info, register:</td>
<td>Chicago, IL</td>
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<td><a href="http://www.4spe.org/vinyltec-2012">www.4spe.org/vinyltec-2012</a></td>
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<td>Advertisement in this</td>
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<td>newsletter: Click Here</td>
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SPE Cleveland Section Programs

<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Topic</th>
<th>Location</th>
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<tbody>
<tr>
<td>November</td>
<td>11/12</td>
<td>Thogus - Rapid Prototyping</td>
<td>Harry's Steakhouse - Independence</td>
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<td>December</td>
<td>12/10</td>
<td>Military Aviation Preservation</td>
<td>Akron Canton Airport, North Canton</td>
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<td>January</td>
<td>1/14</td>
<td>Bridgestone Research Tour</td>
<td>Akron</td>
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<td>February</td>
<td>2/11</td>
<td>PET Processors Tour</td>
<td>Painesville</td>
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<td>March</td>
<td>3/11</td>
<td>Alpha-Micron/Kent Displays Tour</td>
<td>Kent</td>
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<td>April</td>
<td>4/8</td>
<td>Lincoln Electric Tour</td>
<td>Dinner at Lincoln in Euclid</td>
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<td>May</td>
<td>5/13</td>
<td>Awards</td>
<td>Cleveland</td>
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In Remembrance…
provided by Gary Casterline

Pete Nenadal has just passed away. His obituary shows he was 88 when he died, but if you asked him, he would always say he was 29. He was one of our best board members as well as a great asset to the plastics community in the Northeast Ohio. He helped us with several TOPCONS/RETEC’s while still on the board. He negotiated our contracts with our venues and was tenacious at making sure we got the best deal as well as credit for getting people to stay at the venue. He maintained that he did not need a computer and eventually decided to retire from the board after the rest of us became a little too computer oriented for him to still play a part in our group. He was a sharp minded guy and always quick with a witty comment. He was president of the Cleveland Section in 1987-1988 and was our Outstanding Member winner in both 199-1991 and 2000-2001. We were proud to be a part of his life and will miss a good friend.


Stay up to date with the SPE-Cleveland Section web site, created to keep membership informed. Features include:
- SPECsheet newsletter, both latest issue and archive
- Links to other local sections and industry references
- SPEC Tech Blog for questions to membership
- SPEC calendar and special events
- Member information
- SPEC Officers contact information
- Feedback form

Visit now at: [http://www.specleveland.org](http://www.specleveland.org)
This conference will be a tremendous forum to learn about the basic technology of raw materials and provide an update on the new technology and latest trends in raw materials development in the vinyl industry.

For brochure, technical program information and to register, visit: [www.4spe.org/vinyltec-2012](http://www.4spe.org/vinyltec-2012)

**Summary and FAQ's**

**Attending Conference**

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<th>Category</th>
<th>Advance (Before 10/1/12)</th>
<th>Late after 10/1/12</th>
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<tbody>
<tr>
<td>SPE Member</td>
<td>$475</td>
<td>$550</td>
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<tr>
<td>New Member/Renew</td>
<td>$584</td>
<td>$659</td>
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<tr>
<td>Non SPE Member</td>
<td>$625</td>
<td>$700</td>
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<tr>
<td>Students/Emeritus/Unemployed</td>
<td>$200</td>
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Pre-Conference Optional Full Day Seminar (see website for program/costs)

**Exhibitor/Sponsor Information**

- $1,100 Tabletop Exhibits - (includes one conference registration for one person)
- $200 Second Tabletop person - (covers food for 2nd person assisting with Exhibit; does not include admittance to conference talks)

**Event Sponsorships:**

- $5000 Platinum (includes 2 full conference registrations)
- $3000 Gold (includes 1 full conference registration)
- $1000 Silver
- $500 Bronze

**Corporate Sponsorships:**

- Meals/Reception:
  - $2500 Lunch
  - $2000 Breakfast
  - $1500 Coffee Break
  - $1000 Tuesday Evening Reception

- Give-aways:
  - $2000 USB Flash Drives
  - $500 Lanyards

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**SCREW TIPS**

FOR PLASTIC INJECTION MOLDING

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

COMPONENT MANUFACTURING AND DESIGN

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