

February 24, 2009

Delaware Biotechnology Institute Tour and Networking Event Joint Event Sponsored by the Wilmington and DVS

Come join the Wilmington and Delaware Valley Sections as they jointly host an event on February 24th starting at 5:30 PM at the Delaware Biotechnology Institute located in Newark, Delaware for a tour followed by a networking dinner event held at the University of Delaware Blue and Gold Club.

Highlights of the evening include:

A presentation overview of the Delaware Biotechnology Institute presented by Professor Kelvin Lee, Director of the Delaware Biotechnology Institute

A presentation on "Novel Mechanisms for Drug Delivery" by Professor Millie Sullivan

A presentation on "Strategies for Bio-fuel Production" by Professor Terry Papoutsakis

Followed by a tour of the Delaware Biotechnology Institute

The Delaware Biotechnology Institute is located near the University of Delaware campus and is a partnership among government, academia and industry to help establish the First State as a center of excellence in biotechnology and the life sciences. The Institute's mission is to facilitate a biotechnology network of people and facilities to enhance existing academic and private-sector research, catalyze unique cross-disciplinary research and education initiatives, and to foster the entrepreneurship that creates high-quality jobs.



The Delaware Biotechnology Institute is a partnership among government, academia and industry.

Tour Location:

Delaware Biotechnology Institute

Times:

5:30 – 6:45 Presentations and Tour – Delaware Biotechnology Institute

7:15 – 9:00 Dinner and Networking – Blue and Gold Club, University of Delaware

Dinner:

\$10 for students

\$25 for local section members

\$25 for young professionals (defined as graduating in the past 3 years)

\$30 for non-local section members.

Please confirm your attendance no later than **Friday February 20, 2009**.

Register under the "Events" link at

www.aiche-philadelphia.org

Or contact Sue Schultz at

suzette.schultz@astrazeneca.com

or 302-885-1560.

Additional Info on page 4.

Chair's Chat

An Outstanding Year

By Zenaida Gephardt, PhD, PE

Please accept our very best wishes for the New Year. For our Section, 2008 was an exciting and productive year. Our events were well attended and our focus on industrial/academic collaborations was awarded a national grant, served to form important partnerships among our members and attract new members. During these difficult times, our work and our partnerships are even more relevant and important to our membership and the region. This year started with our 2009 CEO Lecture at the Union League in Philadelphia. Vince Kelley, Vice President in charge of Refining for Sunoco, gave an excellent presentation on the status of global energy production and its future. There were numerous questions and energetic interchange among those attending. There were 110 attendees which makes this the largest CEO lecture that anyone on the board can remember. Many thanks are due to Doug Kriebel who coordinated the event. It was especially rewarding to see many young people participating.

The rest of the year also promises to bring technically interesting and networking opportunities for

(Continued on page 4)

Revisiting Project Engineering

by Eric Sipe - Project Engineer/Project Manager - CDI

When I was a younger engineer I held the position and title of Project Engineer. However, this position seemed less important and less prestigious than the position of Project Manager. The Project Manager position seemed more important because the Project Manager had a key and high profile role in running the project. Recently, I got the opportunity to revisit the role of Project Engineer on a large project and it dawned on me that this position too fulfills a vital role in the successful completion of a project. The Project Engineer is needed to attend to the ongoing technical needs of a project so that it will progress successfully in the same way a Project Manager must focus on managing the project's resources such as money, schedule and personnel for success to occur.

Project Engineers are often the key technical personnel resources that a Project Manager needs to ensure that documents are getting developed and processed in the correct order and at the proper time in order to keep the project within budget and on schedule. Project Engineers are also called upon to monitor the progress of contractor activities and address any requests for information. Project Engineers may also be called upon to facilitate the resolution of technical issues with a design or the installation of equipment, piping or controls. Further, a Project Engineer may be called upon to design, plan and coordinate the implementation of special project activities such as the cleaning, passivation, testing or start-up of a system. The complexity of such activities can often be overlooked or underestimated because they are often viewed as secondary to the main goals and objectives of the project such as getting the system installed and running.

One example of such an activity from my personal experience was the procurement and installation of a rental chiller. The purpose of this rental chiller was to serve the cooling needs for a process plant while the permanent chiller for the plant was changed out with a new unit. This may sound like a simple activity but you don't just drop a 200 ton rental chiller in place and turn it on. A 200 ton low temperature chiller requires a lot of electricity and the source of this power must be identified and connected to the chiller. Further, a 200 ton low temperature chiller takes up a lot of real estate; therefore a suitable location for such a unit; preferably close to the plant, must be defined. Another consideration for this project is how the rental chiller will be tied into the existing low temperature coolant distribution system. On and on the list of considerations goes. Do the hoses that are delivering the chilled coolant need to be insulated? How do you prevent a leak at the chiller from causing an environmental incident? Usually, each of these items will need some type of engineering solution and a project engineer to design and implement it.

There are many other technical issues that come up regularly on a project or within an operating plant that need to be engineered for success. Some examples

are defining how to chemically clean a scaled humidification steam generator or organizing the balancing of a water system that contains a main loop and multiple sub-loops. Other examples are defining how clean steam will be sampled from multiple use points of a clean steam system or defining how a complex biowaste system will be chemically decontaminated. All of these efforts and many more not mentioned are opportunities that call for the services of a project engineer. So, if you are a project engineer, hold your head high because you are fulfilling a vital function for your project and your company. If you aren't and you have technical issues to be resolved then you may want to look up the nearest project engineer.

JENNINGS
ASSOCIATES, INC

P. O. Box 503
Pipersville, PA 18947
(800) 554-7491 ☎
E-Mail: ljd@jenningsassoc.com

- ❖ *Heat Transfer Components & Skids-* CCI Thermal, Elanco, Koch Heat Transfer, LCI (LUWA), Paul Mueller, Pick Heaters, Sulzer Chemtech, Thermal Transfer, Tricor Metals
- ❖ *Mixing, Dispersing & Wet Milling-* Premier Mill, ProQuip, Sulzer Chemtech
- ❖ *Powder/Bulk Solids Handling-* Busch, Gardner Denver, Carolina Conveying, HammerTek
- ❖ *Vacuum Pumps and Blower Systems-* Busch-Cobra, Mink & R5; Gardner Denver – Duroflow, Heliflow, Triflow, Sutorbiit & Cycloblower

Engineering, Sales and Service Since 1973

CHEMICAL CONSULTANTS NETWORK - MARCH 11, 2009 MEETING

[Visit our NEW web page at www.chemconsultants.org](http://www.chemconsultants.org)

Date & Time: Wed., March 11, at the Cynwyd Club, Bala Cynwyd, PA; Networking, 5:30 PM; Dinner, 6:30 PM; Talk and Business Session, 7:30 PM

Karen Huller, Founder and President of Charésumé, LLC will present a seminar on how to use



Linked

to propel your business and your career

Biography: Karen Huller is a member of the Professional Association of Résumé Writers and Career Coaches. She received her Bachelor's degree in Communication Studies and Theater from Ursinus College, where she minored in Creative Writing. She spent five years working in executive and information technology placement firms providing research, sourcing, recruiting, résumé formatting, compensation negotiation consulting, and interview coaching. Mrs. Huller started Charésumé, LLC to work one-on-one with those in transition, preparing materials such as résumés and cover letters and developing individualized transition marketing campaigns. She educates her clients on the employer's point-of-view as to how to be one of the top 10% of candidates who are selected to interview and how to interview to get hired. Her mission is to be a trustworthy authority who compassionately, honestly and sincerely advises people toward a more fulfilling future.

Location: The Cynwyd Club, 332 Trevor Lane, Bala Cynwyd, PA 19004.

Reservation: To make or cancel a dinner reservation, e-mail CCNReservations@aol.com or call the ACS office at 215-382-1589 (leave message on voicemail if necessary). Fee, including food and beverages (wine, beer & sodas), is \$25 by the deadline, Thursday, March 5, \$35 afterwards. Late reservations and walk-ins subject to availability.



Chuck Clerecuzio, Past Chair
and Zenadia Gephardt Current Chair



Vince Kelley, Sr VP Sunoco
with Zenaida Gephardt

Chair's Chat

(Continued from page 1)

the Section. In February, Sue Schultz has coordinated a joint event with the Wilmington, DE section. We will be visiting the Delaware Biotechnology Park and dine at the University Blue and Gold Club on February 24. Please join us for this terrific opportunity to see the future of biotechnology in our region and have dinner at one of the most beautiful historic buildings in the tri-state area. March brings the Process Intensification Symposium at the Chemical Heritage Foundation. Three of the world's experts on process intensification will discuss their work and where they see this technology advancing chemical processing operations. The Chemical Heritage Foundation's renovated building complete with its museum is an excellent setting for this symposium and we hope to see you there on March 18. Our thanks go to Ken Rollins for coordinating this important event. Please sign up for these events at our website and join your colleagues in two outstanding opportunities for professional development networking.

The Student Awards will be hosted by Widener University on April 22. Please join us as we celebrate and recognize the achievements of students in our region. The judges for the Zeisberg Awards are in place and it is my pleasure to coordinate this event with Ken Rollins. A plant tour is being planned for May and we are pleased that Scott Smith has agreed to coordinate the Golf Outing this year. You should have received a call for volunteers for this event through Constant Contact. Please consider participating in one of the Golf Outing Committees and help make this the best annual social event for the Section. Meet your old friends and make new ones while getting some exercise and sunshine in the golf course.

During difficult times, the work of the Section becomes even more important. Our members support each other and help students and young professionals navigate the tight employment market. Through all of our work, we are an important reminder that by helping each other we are making the profession better for all of us. Please join your Section, help us plan for the future and participate in this year's events. Continuous improvement will guarantee that we will play an important role in the region this year and for years to come.

Directions to the Delaware Biotechnology Institute (15 Innovation Way)

From Philadelphia or New Jersey:

Once you have entered Delaware take Interstate I95-South to Exit 3 (Del. Rt. 273). Exit Rt. 273 West (bearing right on exit ramp) and continue towards Newark. After about 3 miles, you will pass a large car dealership on your right. At the next intersection, take a left onto Rt. 72 South (Library Avenue). At the second traffic light take a left onto Wyoming Road and enter the Delaware Technology Park (DTP). The Delaware Biotechnology Institute is located at the intersection of Rt. 72 and Wyoming Road at 15 Innovation Way and is the first building on your right on Wyoming Road. Turn right into the parking lot and park in front of the building. Additional parking is available behind the building. All visitors must enter the building through the front entrance. The DBI administrative offices are located upstairs on the right-hand side of the second floor at the front of the building. There is an elevator on your left as you enter the first floor lobby.

Directions to the Blue and Gold Club:

44 Kent Way - Newark, DE. 19716
tel 302.831.2582

From 95 North or South: Take the Route 896 North or South College Avenue Exit (Exit 1B). Continue straight past the Stadium, and over an overpass; straight until you reach the second traffic light (Kent Way). Turn left at the light onto Kent Way. The Blue & Gold Club is the third building on the right.

Parking

Club parking lot may be entered from Kent Way or Orchard Road gates; however, all traffic must exit through the Kent Way gates. Please watch for pedestrians when driving behind the Club. Parking spaces are at a premium in the Blue and Gold Club lot. We ask that members only park in the Club lot when dining at the Club or attending a special Club event. Individuals may be dropped off at the north portico. On-street parking is available at meters. Members/guests with handicap stickers may park at the meters at no charge. Pay parking is also available at the Center for the Arts Parking Garage (accessible from Amstel Avenue) and the Visitor Lot on South College Avenue (limited parking available). If attending a departmental function, try to carpool with other guests as a courtesy to all Club members. Public Safety has been contacted to make regular visits to the lot. They will be issuing \$60 tickets to unauthorized vehicles.

Dinner will be a buffet held at the University of Delaware Blue and Gold Club and includes:

Caesar salad
Chicken Marsala, Salmon with Champagne Mustard Sauce and Eggplant Parmesan
Vegetable, Potato, Rolls and Butter
New York Style cheesecake over raspberry sauce
Coffee, tea and Decaf
Price includes one drink ticket for the alcoholic beverage of your choice

Executive Officers 2008-2009

Chair Zenaida Gephardt, PhD, PE
Phone: 856-256-5314
Fax: 856-256-5242
Email: gephardtzo@rowan.edu

Vice Chair Karl Saydlowski
Phone: 610-321-0478
Email: saydlowski@computer.org

Past Chair Chuck Clerecuzio, PE
Phone (Work): 610-828-8100
Fax: 610-828-6700
Email: charles.clerecuzio@amec.com

Secretary Sue Schultz
Phone (Work): 302-885-1560
Phone (Cell): 215-514-8527
Fax: 302-886-7259
Email: suzette.schultz@astrazeneca.com

Treasurer Ken Ford, PE
Phone: 610-287-1527
Email: kenneth_ford@merck.com

Associate Treasurer Elizabeth Dykes
Phone: 215-652-1744
Email: elizabeth_dykes@merck.com

Section Committees

Advertising Coordinator Roy Stoflet
Phone (Cell): 484-678-3059
Email: r_stoflet@yahoo.com

Engineer's Week Chair William Celenza, PE
Phone: 856-780-9554
Fax: 856-780-9600
Email: bill.celenza@jacobs.com

Membership Chair Richard Kral, PE
Phone: 215-656-2559
Email: richard.kral@biokinc.com

Newsletter Editor Doug Kriebel, PE
Phone: 215-364-3400
Fax: 215-364-4401
Email: dkriebel@kriebel-ltd.com

Professional Development Chair Mark DeLuca, PE
Phone: 215-752-1619
Web Address: www.del-engineering.com
Email: engineer@del-engineering.com

Student & Recent Graduate Coordinator David Salas
Email: dsalas2k@gmail.com

Webmaster Charles Rudolph, PE
Email: webmaster@aiCHE-philadelphia.org

Section Board of Directors

Bill Celenza	Mark Liepa
Chuck Clerecuzio	Charles Rudolph
Patrick Colleran	David Salas
Ken Ford	Karl Saydlowski
Zenaida Gephardt	Sue Schultz
Jeremy Isaacs	Scott Smith
Richard Kral	Roy Stoflet
Doug Kriebel	Steve Wood

2008 – 2009 AIChE- DVS Event Schedule**February 2009**

Joint Event with Wilmington Section

Technology Tour

Delaware Technology Park

Newark, DE

March 2009**Emerging Technologies Symposium**

Chemical Heritage Foundation

Philadelphia, PA

April 2009**Student Awards Banquet**

Widener University on April 22

May 2009**Plant Tour**

Gamesa

Fairless Hills, PA

June 2009**Golf Outing****Joseph Priestly Society**

The Joseph Priestly Society meets monthly at the Chemical Heritage foundation.

There is a one hour networking social at 11 am, followed by a buffet lunch and speaker. It is free by invitation. As AIChE members, you are invited and welcome to attend.

More details may be found at:

<http://www.chemheritage.org/events/event-nav1.asp>

**Kriebel
Engineered
Equipment,
Ltd.**



Straitening out your process problems since 1989.
With the highest quality equipment.



9 Humphreys Drive
Warminster, Pa 18974

www.Kriebel-Ltd.com

Phone: 215-364-3400
Fax: 215-364-4401



**AICHe Newsletter
Delaware Valley Section**
Richard Kral,
Section Database Manager
Biokinetics, Inc.
Seven Penn Center
1635 Market Street, Suite 1500
Philadelphia, PA 19103

Mail address corrections to Data Base Manager at above address .

Our Files are continually updated with your input and membership information from AIChE Headquarters.

AIChE Headquarters: AIChExpress
telephone: 800-AICHeMe; e-mail: xpress@aiche.org

inside...	Feb. Meeting Info	page 1	CCN	page 3
	Chair's Chat	page 1	Feb. Meeting Directions	page 4
	Tech Tip	page 2	Executive Officers List	page 5