

Susquehanna AIChE Newsletter

Charting a Course for Research and Development in Nanotechnology—Joint Meeting with ACS

Thursday, February 3, 2011

In celebration of the International Year of Chemistry, our first meeting of the year is a joint meeting with the local American Chemical Society chapter with a presentation on "Charting a Course for Research and Development in Nanotechnology," presented by Dr. Marty Fritts. Dr. Fritts is a Senior Principal Scientist supporting the Nanotechnology Characterization Laboratory and SAIC-Frederick in accelerating the transition of nanotechnology to cancer and biomedical applications. He is a computational and experimental physicist assisting in implementing advanced imaging and measurement instrumentation, modeling and simulation to elucidate the structure-activity relationships of nanomaterial, and informatics systems to advance knowledge sharing.

The meeting will take place on **Thursday, February 3, 2011**, at The Technology Council of Central PA, 415 Market St, Suite 201, The Historic Train Station (2nd Floor), Harrisburg, PA 17101.

5:00 pm—Networking and Coffee

6:00 pm—Dinner

7:00 pm—Presentation

8:30 pm—reception following the presentation

Cost is \$20 for ACS and AIChE members and guests, \$10 for students. Please **RSVP no later than February 1st** to Shawn Leppo at sleppo@mwn.com so we have an accurate count for dinner.

A full abstract for the presentation and a biography on the speaker can be found in the ACS flyer that was distributed with this newsletter.

We hope to see you there!

Parking information:

Parking is available in garage across the street—**enter off Chestnut Street.**

Chestnut Street Garage, 4th & Chestnut Streets, 717-255-3099

Market Square Garage, 2nd & Chestnut Streets, 717-255-3099

Locust St Garage, 214 Locust Street, 717-255-3099

Walnut Street Garage, 215 Walnut Street, 717-255-3099

Fifth Street Garage, 5th & Market Streets, 717-236-8283

Street parking may be available and is free after 5:00 pm on weekdays. For additional info about parking, you may contact the Harrisburg Parking Authority at 717-255-3099 or visit HPA online at <http://www.harrisburgparking.org/>.

American Institute of
Chemical Engineers -
Susquehanna Section

Meeting Info:

Thursday Feb. 3, 2011

5:00pm—Registration,
Networking & Coffee

6:00pm—Dinner

7:00pm—Presentation

8:30pm—Reception

RSVP by January 31st
to Shawn Leppo

sleppo@mwn.com

or

717-237-5218

Cost:

\$20—members and
guests

\$10—students

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SAVE THE DATE: Thursday, February 24, 2011

Central Pennsylvania Engineers Week Council 2011 Awards Banquet

Starts at 5:30 pm—Dinner at 6:00 pm—Program begins at 7:00 pm

Guest Speaker: Jim Richenderfer, Ph.D., P.G., Director, Technical Programs for the Susquehanna River Basin Commission

Topic: Water Use Characteristics of the Natural Gas Industry

Upcoming Meetings—Tentative Schedule

Summary of the current proposed/tentative meetings are listed below.

Feb 3, 2011.....	Joint meeting with ACS; Nanotechnology Presentation
Feb 24, 2011.....	Engineer's Week Banquet
March 2011	Joint meeting with ASM, Tour of Messiah College Bio-Diesel Pilot Plant
March 2011	Environmental Breakfast, topic TBD
April 2011	US Army War College, Carlisle, PA (to be confirmed)
May 2011.....	Scholarship Award Night, Location TBD
June 2011.....	Environmental Breakfast, topic TBD
June 2011	5th Annual Professional Society Networking Social (tentative), TBD
July 2011....	Susquehanna AIChE Summer Board Meeting, at Hershey Tech Center
Aug 2011.....	no meeting

If you have any meeting ideas/suggestions or are interested in coordinating a meeting, please contact Shawn Leppo at sleppo@mwn.com.



Notes from the December AIChE Susquehanna Board Meeting

The Winter Board Meeting was held on Thursday, Dec. 9, 2010. Brief highlights of the meeting follow:

- Officer updates: No major changes. Peter Kabatek to assume position of Employment Coordinator in addition to Chair until more volunteers are available to fill officer roles.
- Treasurer's report unavailable at the meeting due to computer problems. Ken Weaber to forward as soon as possible after the meeting.
- Section website is currently live—<http://www.susquehanna-aiche.org/>. Much information to be updated, but current structure will be starting point for future updates.
- Summary of Sept—Dec 2010 meetings—Noted that there were 2 meetings in November only a week apart; could have contributed to light attendance at second meeting. In future, we will avoid scheduling meetings closer than two weeks apart. Will also look for additional meeting venues with larger meeting areas that we can utilize for less cost in order to avoid some of the minimum attendance requirements.
- For Jan—June 2011 meetings, waiting for timing of joint ACS meeting for January. Feb and March meetings are set. April meeting to be confirmed, but may substitute the cancelled speaker from November. May scholarship meeting needs to be determined—multiple topics/ideas being looked at.
- K-12 and Educational Outreach—John McCormick presented handout on National AIChE's new K-12 website development initiative. Potential for a couple section members to attend the Spring Conference in Chicago for launch of this website, as the Susquehanna Chapter has provided much input into development of this site.

If any questions, please don't hesitate to let any of the officers know.

YOU CAN MAKE A DIFFERENCE!

Scholarship Fund Donation Request

As we begin the new year, don't forget that you can help two aspiring high school students embrace their future as CheE's by donating to the AIChE Susquehanna Scholarship Fund. We have a fundraising goal of \$2000 this year, and we need everyone's help to make that possible.

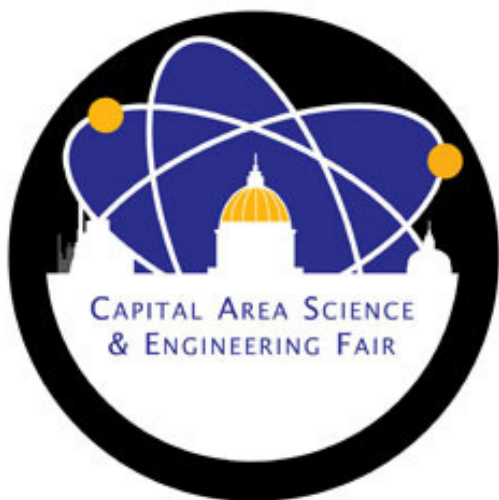
How can you help? You can request a donation from your employer. You can request donations from your business partners (contractors, vendors, etc.). You can make a personal donation. Pay your local Susquehanna AIChE membership dues! Your dues help fund both the scholarship and educational outreach programs, in addition to helping provide relevant topics for mtgs.

All donations are deductible from federal taxes. All donors will be recognized in our monthly newsletter and during the scholarship presentation at our May monthly meeting. Donation request letters can be obtained by emailing Lou Felice at lfelice@hersheys.com. *Thanks for your support of this worthy cause!*

Volunteers Needed for Engineer's Week Activities!



Engineer's Week is just around the corner and the Whitaker Center has asked us to return again with our engineering activities and demonstrations. We're planning this for President's Day Weekend, February 19, 20, and 21st. Once again, we're looking for volunteers to help man our ChE Polymer exhibit and work with students in two hour shifts. Please contact Sue Benjamin at sbenjamin@hersheys.com if you would like to participate.



CASEF Judges Needed

Judges are needed again in March 2011 for the Capital Area Science and Engineering Fair, specifically to help with the Chemistry and Environmental categories. If you are interested in being a judge, please contact Glen Foster (glfoster2@comcast.net). These categories are extremely popular and are sponsored by AIChE. Our Susquehanna chapter has historically donated 4 awards to the CASEF program, and will be doing so again this year.

Judges are also needed for the Energy and Transportation category. Please contact Larry Brown (lbrown007@comcast.net) for more information.

For additional information on the science fair, please visit:

<http://www.whitakercenter.org/CASEF.html>

Thanks in advance for your support!!

Volunteer Request for Middletown High School Career Fair

We are currently looking for volunteers for the Middletown High School Career Fair. The Fair will be held on **Thursday, March 24, 2011** from 10:45 am to 2:30 pm. All students at the high school participate in the fair. If you are interested and available, please contact Lou Felice at lfelice@hersheys.com or at 717-534-5193.

If you aren't available for this particular event, but have interest in volunteering at future opportunities, please contact Lou Felice.

Volunteer Request for Junior Achievement Young Men's Futures Symposium

Volunteers are needed to serve as lunch mentors and/or facilitators at this years Junior Achievement event called the Young Men's Futures Symposium scheduled for Thursday February 11 at HACC. **Symposium Mentors** meet with 1-2 tenth and/or eleventh grade students during the **Mentoring Luncheon** portion of the Symposium to guide, encourage and inspire the young men to achieve their dreams. **Symposium Facilitators** work with the 5-6 tenth and eleventh grade students at their table throughout the Symposium to guide and direct the activities and programs for the day. This symposium consists of several speakers and hands on activities designed to reach the "academic middle" high school student. We expect over 120 high school boys to attend from the central PA school districts, and we need your help. I have been actively involved with the symposium for 4 years and it is a tremendous way to give back to the local community and help some of our young men. If you are interested or would like additional information please contact me at lfelice@hersheys.com.

CONGRATULATIONS to JOHN LANCASTER

for being one of the recipients of the

2011 Shining Star—AIChE Volunteer of the Year Award

This award will be presented to John at either the Spring or Fall AIChE conference. He will be receiving complimentary registration to one of the conferences, as well as a \$1000 travel stipend. He will also be recognized in a future issue of AIChE's Chemical Engineering Progress, as well as online.

John has been an active member of the Susquehanna chapter since June of 2008. He is currently the chapter's Vice-Chair, as well as Co-Chair of the Environmental Breakfast Committee.

Congratulations, John!



Job Openings

Chemical Process Engineer—Entry Level

Armstrong Building Products (ABP) is a worldwide leader in manufacturing and marketing acoustical ceilings and suspension systems for commercial and residential applications and is the most geographically diverse business at Armstrong, supported by regional manufacturing and local sales organizations around the world.

Our Process Engineers at Armstrong provide process engineering expertise to our 5 North American plant locations. As a member of a cross disciplinary engineering team, you will participate in or lead team efforts involving several technical and manufacturing disciplines. You will be accountable for raw material management, process control, product flow, process trouble shooting, environmental compliance, implementation of new products and process optimization.

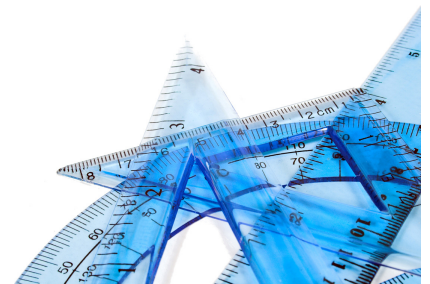
For more information, please visit: http://jobview.monster.com/GetJob.aspx?JobID=95220532&aid=13462076&WT.mc_n=JSAHG10&fwr=true

Project Manager—Equipment Engineering—Liquids Processing and Packaging, Lititz, PA

Our firm is seeking a Project Manager specializing in Equipment Engineering for Liquids Processing & Packaging that will work with a Fortune 100 Consumer Products company located the Lititz PA area. The person selected for this position will be responsible to plan and deliver major capital projects in product filling and packaging, manufacturing process flows and distribution, execute packaging innovation projects in alignment with business units and new product platforms with limited supervision, work in an FDA regulated industry and provide guidance in validation and other compliance requirements, and much more. For more information, please visit: http://jobview.monster.com/GetJob.aspx?JobID=95823953&WT.mc_n=JSAHG10&aid=13462076&fwr=true.

Process Engineer—Armstrong, Lancaster, PA

The Process Engineer supports our Cushion Vinyl production operations at the Lancaster plant, under the supervision of the Manufacturing Process Manager. The position works closely with other staff members and is responsible for providing troubleshooting, engineering and daily process support to the manufacturing operation. In addition, this position plays a critical role in our lean efforts as we continuously strive to improve our processes and reduce waste. This position will work a modified day shift and needs to have the ability to work flexible hours and potentially shift working hours to support the production needs of our plant. In our fast paced and dynamic manufacturing environments, you will take on and execute projects and studies of significant importance, scope, and complexity. For more information, please visit: http://jobview.monster.com/GetJob.aspx?JobID=95874998&WT.mc_n=JSAHG10&aid=13462076&fwr=true



Job Openings (continued)

Product Engineer—Johnson Controls, York, PA

The product engineer is responsible for supporting the product leader on all development and sustaining projects as well as the factory to help resolving product and manufacturing everyday issues. The engineer interacts with other product engineers and the design and drafting group to either process new development assignments or work on product sustaining projects. The engineer plays a highly important role in every design project and understands the significance to accomplish deadlines as planned and budgeted. Primary responsibilities include: has proficiency in industrial mechanical design and is able to conceptualize and implement design ideas into the product, maintains understanding of theories, concepts, technical principles and processes related to mechanical aspects of chillers, possesses knowledge of manufacturing processes and applies the philosophy of designing to standard manufacturing process and for serviceability, works closely with the product engineer leader as well as the design and drafting group in generating chiller layout concepts and system configurations, and more. For more information, please visit: http://jobview.monster.com/GetJob.aspx?JobID=95947876&WT.mc_n=JSAHG10&aid=13462076&fwr=true

Process Engineer (1 of 2)

McNeil Consumer Healthcare, a member of Johnson & Johnson's Family of Companies, is recruiting for a Process Engineer located in Lititz, Pennsylvania. The Lititz McNeil Consumer Healthcare manufacturing site of McNEIL-PPC, Inc. manufactures a broad range of over-the-counter products, including LISTERINE, NEOSPORIN, LUBRIDERM, DESITIN, and BEN-GAY. The Process Engineer will support mechanics and electricians in the optimization of the packaging process through improving equipment uptime and efficiency. This individual will plan and execute experiments designed to characterize and optimize manufacturing processes for optimum performance. The Process Engineer will facilitate technology transfer from process development to commercial-scale processes for new product introductions, lead and coordinate all activities for modifications of existing processes, prepare process development protocols and coordinate all activities related to their execution. The Process Engineer will prepare process validation protocols and coordinate all activities related to their execution, including the preparation and approval of all related completion reports, prepare detailed process specifications and work instructions and support in equipment installation qualification activities for new equipment. This individual will conceive, develop and implement equipment / tooling / processes to improve efficiencies, increase productivity and/or improve quality, follow and observes all regulatory requirements (GMP's, ISO, FDA, internal policies) applicable to area of responsibility and comply with J&J Safety/Environmental Requirement and safe working conditions and practices.

For more information or to apply, please see: http://jobview.monster.com/GetJob.aspx?JobID=93689767&WT.mc_n=JSAHG10&aid=13462076&fwr=true

Heat Exchange Engineer—Armstrong, West Chester, PA

We are a well established firm located in Southeastern Pennsylvania specializing in highly engineered custom heavy duty process heat transfer equipment for refining, petrochemical and specialty industrial applications worldwide. The successful candidate will be a degreed chemical engineer with at least 10 years experience in the process industries. Experience with heat transfer equipment is desirable. Some responsibilities include preparing preliminary equipment thermal designs compliant with client specifications, participating in preparation of cost estimates, generating detailed written sales proposals, coordinating sales efforts with our worldwide sales team including commissioned agents, supporting the job execution engineering staff after order, and developing improvements to existing technology. For more information, please visit: http://jobview.monster.com/GetJob.aspx?JobID=95956316&WT.mc_n=JSAHG10&aid=13462076&fwr=true



Special Thanks to:

Shawn Leppo, Sue Benjamin,

Lou Felice, Peter Kabatek

For providing articles for the newsletter this month!

Note: Most clip-art present in publication compliments of MSOffice Online Clipart.

American Institute of
Chemical Engineers -
Susquehanna Section

AIChE

For questions/
comments on the
newsletter or contents,
please contact Ashley
Boldt.

2010–2011 AIChE Susquehanna Officers

Peter Kabatek Chair
pkabatek@aol.com

John Lancaster Vice Chair, Environmental Breakfast Committee Co-Chair
johnlancaستerv@hotmail.com

Shawn Leppo Program Coordinator
sleppo@mwn.com

Ken Weaber Treasurer, CPEWC Representative
weabeken@aol.com

Glen Foster CASEF Science Fair Coordinator
glfoster2@comcast.net

Rich Gullo Membership Coordinator
rgullo@hersheys.com

Rainer Niederoest K12 Program Coordinator
Rainer.niederoest@aecom.com

Rao Sankarmanchi Environmental Breakfast Committee Co-Chair
rao@picsol.com

John McCormick Past Chair, Educational Outreach/K12 Coordinator
jhmccormick2002@yahoo.com

Sue Benjamin Educational Outreach, CPEWC Representative
sbenjamin@hersheys.com

Lou Felice Fundraising Coordinator, Educational Outreach
lfelice@hersheys.com

Charles Merris Educational Outreach: Shadowing, Scholarship, High School Visits
cmerris@msn.com

Ashley Boldt Newsletter & Website Coordinator, Secretary
aboldt@hersheys.com

For more information:

[http://
www.susquehanna-
aiche.org](http://www.susquehanna-aiche.org)

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coming soon, so
check back often!

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Facebook page!
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