



The Catalyst
PITTSBURGH SECTION
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS



Volume 22 Issue 3



December, 2007

JANUARY MEETING NOTICE

CHEMICAL FACILITY
ANTITERRORISM STANDARDS

Where: Penn Brewery
 800 Vinial Street
 (North Side)
 Pittsburgh, Pa 15212



When: Thursday, January 17th

Agenda:

- 4:00pm Registration
- 4:30pm Welcome & Program Introduction
- 4:45pm Chemical Facility Antiterrorism Standards – US Department of Homeland Security (speaker to be named) and Larry Fitzgerald, URS Corporation
- 5:30 pm Tour of Penn Brewery – Brewmaster Tom Pastorius will provide a tour of the Penn Brewery.
- 5:45 pm Dinner and Social – Technical and social conversation amidst a dinner of German specialties.
- 8:00 pm Adjournment

Cost: \$40 Members
 \$48 Non-Members
 \$29 Students

Dinner Meeting and Social, Presented by:

Air & Waste Management Association, Allegheny Mountain Section
 &
American Institute of Chemical Engineers, Pittsburgh Section

With: (speaker to be named) US Department of Homeland Security
 &
 Larry Fitzgerald, URS Corporation

In Section 550 of the Homeland Security Appropriations Act of 2007, Congress gave the Department of Homeland Security (DHS) regulatory authority over security for “high risk” chemical facilities. In the Act, Congress instructed DHS to require all “high risk” chemical facilities to complete security vulnerability assessments, develop site security plans, and implement protective measures necessary to meet DHS-defined risk-based performance standards. It is important to note that a “chemical facility” is broadly defined by DHS and includes facilities that not only manufacture, but may also facilities that may mix, store, repackage, ship, consume or otherwise possess certain chemicals above a defined amount. This rule applies to solids, liquids and gases and is expected to require thousands of facilities nationwide to submit data to DHS.

The three major steps of the Chemical Facility Antiterrorism Standards (CFATS) compliance process are:

- Top Screen Reporting: the initial screening process through which chemical facilities provide information to DHS
- Security Vulnerability Assessment (SVA): to be completed and submitted within 90 days of notification by DHS
- Site Security Plan (SSP): to be completed and submitted within 120 days of notification by DHS.

This presentation will review the impact that the CFATS will have on chemical plants and other industrial facilities in our region. A speaker from the US Department of Homeland Security will provide an overview of the rule, and Larry Fitzgerald, a senior security professional at URS, will discuss strategies for compliance with the rule.

PLEASE RSVP NO LATER THAN
THURSDAY, JANUARY 10TH, 2007

To: Ed Moretti, Moretti Consulting Group, 314 East Main Street, Carnegie, PA 15106
 Fax: 412-276-2233
 E-mail: emoretti@moretticonsulting.com

Your RSVP must include: **Name, Affiliation, E-mail Address, and Phone Number.**

PLEASE SEND CHECK PAYABLE TO: A&WMA TO THE
ABOVE ADDRESS

MORE INFO: <http://www.ams-awma.org/Brew2008.htm>

CANCELLATIONS: If you must cancel your meeting reservation, please do so no later than 48 hours prior to the meeting. Otherwise, you will be invoiced for the cost of your meal.

**LETTER FROM THE CHAIR**

December-January Letter from the Chair

Happy holidays and best wishes for 2008!

AIChE-Pittsburgh will start the New Year with a pair of funding-related initiatives you should be aware of. First, under JoAnn Truchan's leadership, we are developing plans to create an endowment to fund our section's bi-annual McAfee award and banquet. Our short term goal is to seed the endowment from local section funds and local member contributions to provide a basis for solicitation of industrial sponsorship. Our vision is to fund McAfee entirely through the endowment—in other words, not through our operating budget which comes from local section dues—within two years.

Second, to increase income for our operating budget—which will allow us to expand programming for the benefit of local membership—we are considering a golf-outing-fundraiser for 2008. Past-Chair Gary Hall is leading this effort.

Finally, here's some very good news from one of our region's Student chapters. Carnegie Mellon's Chem-E-Car team competed in the National Chem-E-Car Competition at the November AIChE national meeting in Salt Lake City. 30 teams qualified to compete at the national competition by finishing in the top spots at their regional competitions this past spring.

CMU's entry stopped 4.5 inches from the 67 foot target distance! Only one team was able to beat this distance, stopping at 4 inches from the target. Congratulations to all the participants for their 2nd place national finish!

Hope to see many of you at the January joint-with-AWMA meeting at Penn Brewery! Details appear elsewhere in the newsletter.

Jim

Jim Miller

Chair, AIChE-Pittsburgh
jaybeemiller@yahoo.com

JANUARY MEETING**DIRECTIONS TO PENN BREWERY:**

<http://www.pennbrew.com/data/english/contact.htm>

From Downtown Pittsburgh:

Penn or Liberty Ave. to Strip District, left on TO 16th St. and cross the 16th St. Bridge. At the third stop light turn right on to Troy Hill Rd. We are 200 yds. on the left.

From the North:

I-79 to I-279 South to exit 8B (East St.). Straight to the third light, then turn left on to East Ohio St. At the second light turn left on to Chestnut St., then immediate right on to Troy Hill Rd.

From the East:

PA Turnpike to exit 6 (Pittsburgh), follow I-376 West (the Parkway) to the center of Pittsburgh (the Point) then follow I-279 North. Take exit 7C (Chestnut St.) onto Route 28 for about 100 yds. then exit to the right for Chestnut Street. At the end of the exit ramp, turn left on to Chestnut St., straight ahead to second stop light and turn right on to Troy Hill Rd.

From the West:

I-279 North (The Parkway) through the Ft. Pitt Tunnels and Ft. Pitt Bridge following I-279 North. (Stay in the left lane on the Ft. Pitt Bridge and in the right lane on the second bridge, the Ft. Duquesne Bridge.) As soon as you pass PNC Park take exit 7C (Chestnut St.) onto Route 28 for about 100 yards, then exit to the right for Chestnut Street. At the end of the exit ramp, turn left on to Chestnut. At the second light, turn right on to Troy Hill Road.

There is plenty of free parking in the double deck lot behind the buildings or the gravel lot across the street.



AICHE NATIONAL NEWS

The AIChE Centennial Celebration in 2008

<http://www.aiche.org/About/Centennial/Index.aspx>

The microchips in your cell phone. The LCDs in your new flat screen TV. The plastic wrap on last night's leftovers. The pills in your medicine chest. The fuel in your car. The carpet in your living room. The insulin pump in your chest.

In fact, there isn't a single facet of modern life that chemical engineers haven't touched. And AIChE members have been part of almost every major development from plastics and fibers to unleaded gasoline to nuclear and even solar power. If it's modern, chemical engineers helped make it happen.

Join us as we celebrate the centennial of AIChE's founding. Over the next 2 years this space will grow to feature important events and developments, people and schools. And while we're celebrating the past we'll also be looking to the future, incorporating contributions from student members and content especially for younger students.

AIChE celebrates the centennial of its founding in 2008. That provides the perfect opportunity to recognize the contributions of chemical engineers to society. From the achievements that helped create our standard of living to future-oriented work in energy, biological engineering and sustainability currently underway, the focus will be on chemical engineers.

The AIChE Foundation Board of Trustees has launched a campaign to help fund these efforts- and thanks to the support from a select group of AIChE members- we are already on our way to building a platform for success in marking this auspicious milestone.

FEBRUARY MEETING – STUDENT NIGHT

Tuesday, February 19th, 6-10pm
WPU Ballroom, Univ. of Pitt. Student Union

This room was one of the original lounge rooms of the Hotel Schenley, circa 1898, with nice Louis XV architecture, giving us the chance to meet in the same room where Andrew Carnegie, George Westinghouse, Babe Ruth and Enrico Caruso would have relaxed.

MARK YOUR CALENDARS FOR NATIONAL ENGINEERS WEEK 2008

AIChE Pittsburgh Chapter will be sponsoring a booth at the Carnegie Science Center for National Engineers Week on February 15 (from 9 am - 5 pm) and February 16 (from 10 am - 5 pm). We need volunteers for this event.

To volunteer, please contact Julia Johnson at johnsoja@novachem.com or 412-490-4227 for more information. All volunteers will receive a National Engineers Week T-shirt.

2008-2009 SCHOLARSHIPS

Applications are now available for one \$1,500 scholarship to be awarded by the Pittsburgh Section AIChE for the 2008-2009 academic school year. Sophomore and junior chemical engineering students are eligible to apply if they:

- Are enrolled in one of the following chemical engineering programs in the AIChE Pittsburgh Section area: Carnegie Mellon University, University of Pittsburgh, West Virginia University, Youngstown State University
- Are enrolled at any AIChE-accredited chemical engineering program in the United States provided that the student is the son or daughter of a member in good standing of both the AIChE and the Pittsburgh Section AIChE.

The deadline for submission of an application is January 18, 2008. Scholarship recipients will be notified by February 15, 2008.

For more details or to print out a copy of the application, visit <http://www.aichepgh.org>.

2008 GOLF OUTING

We are planning a golf outing for our chapter members and their guests the second week of October at a local golf club. We are in the process of planning the event now and will provide further details as they become available. If you would like to volunteer to help out on this event contact Gary Hall (see contact info on officer page). It promises to be fun for all skill levels. So even if you have never swung a club, you can still participate and have a good time.



JOB SEARCHING FOR CHEMICAL PROFESSIONALS – FEB 2, 2008

Job Searching For Chemical Professionals

Featuring

MANAGING AN EFFECTIVE JOB SEARCH

Daniel J. Eustace, Ph.D.

Career Consultant, American Chemical Society

&

OVERVIEW OF THE LOCAL JOB MARKET

Joseph D. Jolson, Ph. D.

Plus: Resume Review, Personal Consultation,
and Local Job Opportunities

For additional information, contact Tiffany

Ragan at 412 321-1143 or

tiffany.ragan@onassignment.com

Or visit: <http://www.aichepgh.org>

NEWSLETTER DEADLINE

THE DEADLINE FOR THE
JANUARY NEWSLETTER IS
FRIDAY, JANUARY 18, 2008

Please submit newsletter information to:

Brian J. Anderson

304-293-2111 x2435

brian.anderson@mail.wvu.edu

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Full Page \$300

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discount!

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Contact **B.J. Anderson** at

brian.anderson@mail.wvu.edu or 304-293-2111
x2435 for more information.

MEMBERSHIP CORNER

Please send all change of address notifications
to the Membership Chair:

Holly Gray

412-269-6059

hgray@mbakercorp.com

Please verify your updated e-mail address and
post office mailing address so that you will
continue to receive newsletters and e-mail
notifications! Newsletters are also posted on our
website, www.aichepgh.org

Please sign me up for the Pittsburgh Section of AIChE

Name _____

Company _____

Address _____

City _____ State ____ Zip _____

Business Phone _____

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Email _____

Annual dues are \$16.00. Make check payable
to "AIChE Pittsburgh Section" and send to the
Treasurer:

Paul Brezovec

AIChE Treasurer

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Johnstown, PA 15906



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2007 - 2008 Chapter Meeting Schedule

Date	Topic	Location
January 17, 2008	Chemical Facility Antiterrorism Standards	Penn Brewery
February 19, 2008	Student Night	WPU Ballroom, Pitt Student Union
March, 2008	Developing Medical Devices to Support the Failing Lung: Rules of the Endless Road	TBA
April, 2008	Jon Ciccone of US Steel	TBA

Mark your Calendars!
For the Following Dates:

January 17, 2007	Chemical Facility Antiterrorism Standards	Penn Brewery
February 19, 2007	Student Night	Univ. of Pitt Student Union
March, 2007	Developing Medical Devices to Support the Failing Lung	TBA
April, 2007	Jon Ciccone of US Steel	TBA
October, 2007	Golf Outing	TBA



The Catalyst

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Visit us on-line at www.aichepgh.org



GOD Bless The U.S.A.!