



SEPTEMBER MEETING NOTICE

PNC PARK TOUR / JOINT MEETING WITH INSTRUMENT SOCIETY OF AMERICA (ISA) - PITTSBURGH SECTION

TOUR INCLUDES:

- Field Level – Dugout and Access to Warning Track
- Service Level – Visitors Club House, Training Facilities, Batting Cages and Press Room
- Upper Concourse – Best View from Ball Park
- Home Plate and Left Field Rotundas

Where: Firewaters

(Across from PNC Park Retail Area)
120 Federal St.
Pittsburgh, PA 15212
(412) 323-4688

PNC Park

115 Federal St.
Pittsburgh, PA 15212

When: Tuesday, September 18, 2001

Time: 12 Noon – Lunch
Tour Following Lunch

Cost: \$20.00

Menu: Lunch Buffet

Directions:

Directions and parking locations can be found at
http://pirates.mlb.com/NASApp/mlb/pit/ballpark/pit_ballpark_directions.jsp

RSVP NO LATER THAN
THURSDAY, SEPTEMBER 13, 2001

TO:

Ms. JoAnn Truchan, Vice Chair
Tel 724-695-1945
Email: cricket.jt@att.net
PLEASE PAY AT DOOR

Name _____
Menu Selection _____
Email _____
Phone _____

CANCELLATIONS: If you must cancel your meeting reservation, please do so no later than 24 hours prior to the meeting. If you do not provide a cancellation notice, you will be invoiced for the cost of _____.

LETTER FROM THE CHAIR

It is difficult to believe that September is here and it is time to begin a new year of Pittsburgh Section AIChE activities. I would like to take this opportunity to thank everyone who attended our meetings and events during the 2000-2001 program year.

As many of us know, within any organization the only thing that is constant is change. This is also true of the Pittsburgh Section of AIChE. There are a few changes to the executive committee that I would like to highlight.

First, I would like to thank the following people for their dedicated service to the Pittsburgh Section over the past several years:

Nancy Hirko - Membership Chair
John Hauser - Treasurer
Bill Hargest - Secretary

Nancy, John and Bill have been invaluable resources and we will miss the guidance they provided in these positions. Please note that Nancy will continue to organize our outreach efforts during National Chemistry Week and Engineers Week and John will continue as Counselor.

Next, I would like to welcome the following people to the Executive committee:

JoAnn Truchan - Vice-Chair and Programs
Leigh Anne Wacker - Treasurer
Ashley Smith - Membership Chair

I look forward to working with each of you during the upcoming year.

Finally, I would like to encourage those who have not been to a meeting in many years, or maybe never, to join us at a meeting this year. This year's schedule will include a variety of tours, technical and non-technical presentations. I look forward to meeting you at our September 18th meeting.

Best Regards,

Michael P. Flaherty, AIChE Chair

LETTER FROM THE EDITOR

NOTE FROM THE EDITOR

Dear Members,

Welcome Back! Summer is nearing an end but our AIChE meetings are just about to begin. We have yet another season of interesting and educational meetings lined up for you.

We also encourage you to become involved with the various programs that the Pittsburgh Chapter supports, one being the Future City Competition. It was a huge success last year! With the growing number of student participation more volunteers are needed. Please review the Future City Competition Column for further details on how to become involved.

If you are interested in a specific topic that you feel should be covered during one of our monthly meetings, please contact our Chair, Mr. Michael Flaherty (Tel 724-266-7688, Fax 724-266-7683, Email michaelp871@hotmail.com), with your ideas.

Best regards,
PEGGY PANAGOPOULOS
 AIChE Newsletter Editor
 ChemTech Consultants, Inc.

MEMBERSHIP CORNER

LETTER FROM OUR MEMBERSHIP CHAIR

Hello everyone and welcome to all new and returning members! The local section has several exciting events planned for the upcoming months, including several outings, guest speakers and plant tours.

There are currently more than 600 local members listed in the membership database! I encourage each of you take advantage of the informative meetings and plant tours, as well as the valuable networking opportunities offered through AIChE by becoming an active member of the Pittsburgh local section.

We are constantly updating our membership database. Please send all change of address notification to me at

Ashley Smith
 Industrial Design Corporation
 200 Corporate Center Drive, Suite 200
 Moon Township, PA 15108
 or
 ashley.smith@idc-ch2m.com

Thanks to all of you for supporting the Pittsburgh local section, both financially and by volunteering your time to attend meetings and volunteer for the numerous AIChE sponsored activities. I look forward to seeing everyone at this year's activities!

Regards,

Ashley Smith
 Membership Chair

Please sign me up for the local Pittsburgh Section of AIChE

Name _____

Company _____

Address _____

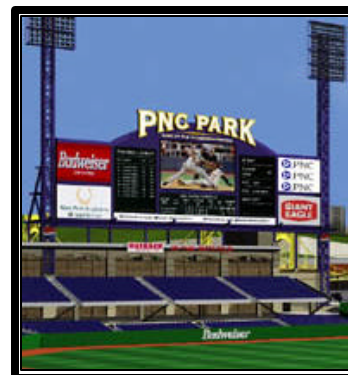
City _____ State _____ Zip _____

Business _____

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Annual Dues are \$16.00. Make check payable to "AIChE Pittsburgh Section" and send to our Treasurer: **Leigh Anne M. Wacker, CFX Software & Services, Omega Corporate Center, 1260 Omega Drive, Pittsburgh, Pennsylvania 15205**



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CHAPTER ANNOUNCEMENTS

INTERESTED IN HOSTING AN AICHE MEETING AT YOUR COMPANY?

We are in search of hosts for our future AIChE monthly meetings. The Chapter is looking for companies that can provide AIChE members with an interesting, informative, and beneficial agenda. If your company would be interested in hosting a meeting please contact me.

Also, if you have a topic or an idea that you would like to see presented at a monthly meeting, please feel free to contact me and we can discuss your idea.

Mr. Michael Flaherty, Chair
WSP Chemicals & Technology Inc.
Tel 724-266-7688 ~ Fax 724-266-7683
Email Michaelp871@hotmail.com

SAFETY IN AMMONIA PLANTS & RELATED FACILITIES SYMPOSIUM

Join international leaders in ammonia plant safety at the American Institute of Chemical Engineers' 46th Annual Safety in Ammonia Plants & Related Facilities Symposium in Montreal, Canada, September 17-20, 2001 at Le Centre Sheraton Hotel. www.aiche.org/ammonia

Learn what's new in the field, discover best practices, examine case studies, and network with colleagues. Explore plant safety issues related to the manufacture of ammonia and other chemicals, such as urea, nitric acid, ammonium nitrate, and methanol. Topics include safety developments, safety studies, technological advancements, safety incidents, and improved maintenance procedures.

Don't miss this opportunity to attend the world's largest international conference on plant safety. For more information or to register, please visit www.aiche.org/ammonia, call 212.591.8544, or email scotr@aiche.org.

Thank you,
Scott Rothschild
AIChE Meetings Planner

PITTSBURGH FUTURE CITY COMPETITION SEEKING ENGINEERING MENTORS AND VOLUNTEERS

Solar-powered monorails, telephones hidden in sunglasses, satellites that track criminals: No one knows for sure what changes the next hundred years will bring. But, local middle-schoolers will have a chance to explore for themselves what the future might hold. The Engineer's Society of Western Pennsylvania in conjunction with Carnegie Science Center will present the National Engineers Week Future City Competition on January 26, 2002.

Area seventh- and eighth-graders, teachers and volunteer engineering mentors are now being sought to participate in the annual competition.

Last year seventh- and eighth-graders from 36 area schools presented their ideas for a futuristic city at Carnegie Science Center. Teams of three students, a teacher and an engineering mentor designed a city using software program *SimCity*, built a 3-D model using recycled materials and wrote a 500-word essay on an engineering topic.

A critical element of Future City is the insight into engineering careers it gives to young people. The volunteer engineer helps to guide each team through the rigors of building a successful city. Those who've volunteered for the competition say it gives them a chance to show, first-hand, the challenges and rewards of engineering.

The combination of reality and dreaming has made the Future City Competition an increasingly popular educational tool. Teachers appreciate the way it brings math and science to life, how it encourages children to cooperate, and hones writing and public speaking skills.

Students interested in participating are expected to design their city through this fall and build models in December and January. The Engineer's Society of Western Pennsylvania members and sponsors donate over \$10,000 in prizes to the competition. Each student in the competition receives a Future City gold medallion for participation.

The winning team will receive an all expense paid trip to Washington D.C. to compete in the National Finals. In addition to the free round trip to Washington D.C., each First Place team member receives a \$1000.00 savings bond and \$100.00 worth of gift certificates. Second place through fifth place all receive savings bonds that range from \$500.00-\$100.00 plus other gift certificates.

The Engineer's Society of Western Pa. (ESWP) in conjunction with Carnegie Science Center is the coordinating sponsor for the Pittsburgh Regional Competition.

For more information on signing up to volunteer as an engineer mentor, contact Amy Robeson at (412) 237-1640, or via e-mail at robersona@csc.clpgh.org or Carl Schwartz at (412) 374-3678, or via email at schwarc@westinghouse.com both are the Regional Coordinators of the Competition.

Pittsburgh's competition will be held in **January 26, 2002** at the Science Center, with the winner going on to the national finals in Washington, D.C. during National Engineers Week, February 17-24, 2002.

HUMOR

Daily Moments Of Zen

Thank you Carl for your contribution.

1. Do not walk behind me, for I may not lead. Do not walk ahead of me, for I may not follow. Do not walk beside me, either. Just leave me alone.
2. The journey of a thousand miles begins with a broken fan belt and a leaky tire.
3. It's always darkest before dawn. So if you're going to steal your neighbor's newspaper, that's the time to do it.

4. If you tell the truth, you don't have to remember anything.
5. Don't be irreplaceable. If you can't be replaced, you can't be promoted.
6. No one is listening until you make a mistake.
7. Always remember you're unique. Just like everyone else.
8. Never test the depth of the water with both feet.
9. It may be that your sole purpose in life is simply to serve as a warning to others.
10. It is far more impressive when others discover your good qualities without your help.
11. If you think nobody cares if you're alive, try missing a couple of car payments.
12. Before you criticize someone, you should walk a mile in his or her shoes. That way, when you criticize them, you're a mile away and you have their shoes.
13. If at first you don't succeed, skydiving is not for you.
14. Give a man a fish and he will eat for a day. Teach him how to fish, and he will sit in a boat & drink beer all day.
15. If you lend someone \$20, and never see that person again, it was probably worth it.

HOT NEWS

Business News

Fulbright Scholars Sought

Next year, under the auspices of the Council for International Exchange of Scholars (CIES), more than 800 US faculty and professionals will be named Fulbright Scholars. They will become part of a tradition that has seen more than 32,000 individuals travel to more than 140 countries across the globe to lecture or conduct research in a wide variety of academic and professional fields. The Fulbright Scholar Program is inviting AIChE members to join them.

A Fulbright Award that may be of interest to AIChE members is called "Supply Chain Engineering and Management". It is being offered by the Ireland Fulbright Commission for the academic year 2002-03. The awardee will be at the Department of Process Engineering, University College Cork in Cork, Ireland. The award involves 50% teaching and 50% research and the awardee is expected to: lecture and carry out research on supply chain engineering and management, preferably with knowledge of curriculum development and industry

liaison experience; teach, at the undergraduate level, an introduction to process engineering and a course on computer-aided process engineering; and assist with curriculum development for both undergraduate and graduate programs in process engineering.

Qualifications for this award: Associate or full professor preferred; Professional with teaching experience will be considered; Specialization in chemical or industrial engineering with considerable experience in both research and teaching on supply chain engineering and management, as well as industry liaison experience. And as with all US Fulbright awards, only US citizens are eligible.

The duration of the award is 10 months starting in October 2002. The award consists of a fixed-sum grant of US\$30,000 for full academic year, prorated for shorter periods (travel inclusive).

The application deadline is August 1, 2001. Additional information about the Fulbright Program and an application can be found on the CIES website at http://www.iie.org/cies/us_scholars/00_01awards.htm. For specific questions or additional information, applicants can also contact Daria Teutonico at dteutonico@iie.org or at 202-686-6245, or Holly Williams at hwilliams@iie.org or at 202-686-6232.

http://www.iie.org/cies/us_scholars/00_01awards.htm

Is the Chemical Plant Going Female?

It may surprise many CPI professionals to learn that today more than 50% of graduating chemical engineers in the USA, Latin and South America are female. This, and other workplace changes, present a unique challenge for the plant manager, as well as other CPI professionals.

For the first time in CHEM SHOW history, the Conference Program will feature a special Industry Forum to discuss "Is the Chemical Plant Going Female?" The session is scheduled for Wednesday, October 24, at 1:30 p.m., and is open to all exhibitors and attendees free of charge.

The panel will feature male and female engineers and plant management personnel addressing the changing faces in chemical plants. Among the panelists is Kristine Chin, editor of CEP, the American Institute of Chemical Engineers' flagship publication. Specific discussion topics will include formal rotational assignments for entering engineers; policies regarding flexible work schedules;

diversity training; support for the creation of mentor networks; and glass ceilings: myth or reality?

<http://www.chemshow.com>

NJIT Biotechnology Lab To Kill Deadly Bacteria, Viruses, Cancer Cells

New Jersey Institute of Technology announced the opening of a biotechnology lab whose world-class technology can help identify and kill deadly bacteria, viruses and cancer cells.

The Keck Lab will use a technique, known as Micro-Flow Control, which allows researchers to identify and combat particles such as bacteria by creating small disturbances in the flow of liquids.

The lab is distinguished not only by its technology but also by its director: Nadine Aubry, Ph.D., the only woman in the state to chair a mechanical engineering department.

"We can use electrodes to separate dangerous micro-organisms, such as bacteria, from the blood," Aubry says, "and then filter it out, or kill them." Aubry holds an endowed chair, the Jacobus Chair in mechanical engineering, at NJIT.

The Keck Lab will also use micro-chip technology - laboratories on chips - to eliminate contaminants from oils and lubricants used on naval ships. United States naval ships now use mechanical filters to clean diesel fuel. But the filters, just like those on a car, cannot filter out minute particles. The filters quickly become dirtied by metallic wear and need to be replaced. Scientists at the Keck Lab are developing a way to replace filters with electrodes that separate and remove the contaminants in the fuel.

Instruments in the lab use electrical fields to separate nano- and micro-scale sized particles suspended in liquids, such as diesel fuel or blood. A nanometer is a billionth of a meter. A human hair, for example, is about 70,000 nanometers.

NEWSLETTER DEADLINE

The deadline for the September Newsletter is September 14th, 2001.

**Submit information to: Peggy Panagopoulos ~
pegpana@chemtech88.com**

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Vice-Chair & Program

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Tentative Meeting Schedule for 2001-2002

Date	Event	Location
Oct 16	Plant Tour	TBA
Nov 12	Financial/Estate Planning	TBA
Jan 16	Joint Meeting with AWMA	Penn Brewery
Feb 20	Student Night	William Pitt Union Hall
March 19	TBA	TBA
April 17	TBA	TBA
May 15	Spring Event	TBA

Welcome Back!