



MARCH MEETING NOTICE

Event: *Joint Meeting with American Nuclear Society (ANS)*

Where: Carnegie Mellon University
University Center
5100 Forbes Avenue
Pittsburgh, PA.

Room: McKenna Peter-Wright,
2nd Level University Center

When: Tuesday, March 26, 2002

Time: 5:15 PM Social Hour
6:00 PM Dinner Buffet (Reservation
Required)
Chicken Marsala, Seafood
Mornay w/
Shell Pasta, and Vegetable
Primavera
7:00 PM Program

Cost: \$20.00 for professionals

The buffet also includes Salad, Dinner Rolls, Coffee, Tea, Decaffeinated Coffee and Iced Tea.

Evening Presentation:

Ed Dzenis and Kara Prentiss of Westinghouse will make a presentation on the recent successful Chemical Cleaning of the Beaver Valley Nuclear Power Plant Steam Generators.

In addition, Ed Dzenis will discuss the technical and implementation aspects of the long-term steam generator maintenance program that Westinghouse and FirstEnergy Nuclear Operating Company (plant owners) have established for this plant.

Directions:

Driving from the East:

- Take the Pennsylvania Turnpike West to Exit 57, Pittsburgh/Monroeville.
- Follow Interstate 376 West to Exit 7, Edgewood/Swissvale.
- Turn right onto Braddock Avenue (at the end of the ramp).
- Continue to the Forbes Avenue -inter-section. (Frick Park will be on the left).
- Turn left onto Forbes Avenue and follow Forbes Avenue approximately three miles to campus.

Driving from the West/North:

- Take the Pennsylvania Turnpike east to Exit 28, Perry Highway.
- Follow Interstate 79 South to 279 South (Exit 72).
- Follow signs and go over the Fort Duquesne Bridge.
- Take 376 East to Exit 2A, Forbes Avenue/Oakland.
- Stay in the right-hand lanes, following Forbes 1.3 miles through the Oakland business district to campus.

Directions continued on page 2.

**RSVP NO LATER THAN
TUESDAY, MARCH 19, 2002**

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 your meal.

Directions continued:

Driving from the South:

- Take Interstate 79 North to 279 North - (Pittsburgh).
- Follow 279 North toward Pittsburgh through the Fort Pitt Tunnel and onto the Fort Pitt Bridge.
- Once on the bridge, stay in the far right lanes and follow signs for 376 East/Monroeville.
- Take 376 East to Exit 2A, Forbes Avenue/Oakland.
- Stay in the right-hand lanes, following Forbes 1.3 miles through the Oakland -business district to campus.

Immediately at the intersection of Forbes -Avenue and Beeler Street, turn right into the parking garage on campus. There will also be parking available at the Morewood Gardens Lot at the corner of Forbes and Morewood Avenues (on the Forbes Avenue side).

LETTER FROM THE EDITOR

Dear Members:

Our student night was a huge success. Thank you to all that attended this intriguing meeting especially to our Vice Chair, JoAnn Truchan, for her hard work and effort.

This month's meeting offers a great opportunity to meet and network with fellow engineers from the American Nuclear Society (ANS). The presentation will be very informative.

Once again, Nancy Hirko did an EXCELLENT job at running this year's AIChE booth for Engineers' Week at the Carnegie Science Center! Thank you Nancy for all of your hard work with our Outreach Programs .

I look forward to seeing you at the March Meeting!

Best regards,

Peggy Panagopoulos
AIChE Newsletter Editor

JoAnn Truchan,
Vice Chair,
Welcoming
Members to
Feb. meeting

MEMBERSHIP CORNER

Engineer's Week Recap

It was another successful event at the Carnegie Science Center for Engineer's Week celebrations. Our local section of AIChE was again one of the most popular tables for the event held on February 22 and 23. Over 500 super balls were made and new chemical compounds were being designed by budding chemists and engineers.

I would like to thank the following that gave generously of their time and helped staff the table this year:

- Mike Friedrich
- Peggy Panagopoulos
- John Murawski
- Marion Maniet
- Nathan Peters
- William Mentzer
- David Missenda
- Andrew Rupprecht
- Joann Truchan
- Deborah Kosmack

For those of you who have not experienced this event, it is a lot of fun and very rewarding. Think about volunteering next year!!

Best regards,
Nancy Hirko

Please sign me up for the local Pittsburgh Section of AIChE

Name _____

Company _____

Address _____

City _____ State _____ Zip _____

Business _____

Residence _____

Email _____

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*

CHAPTER ANNOUNCEMENTS**PUMP UP YOUR CAREER**

If you feel that you are running in place at work, or simply want to strengthen your career options, don't miss AIChE's Career Fitness Conference 2002, April 7-8. This unique conference is free for national AIChE members, and features career seminars, skills workshops, and job fair. AIChE's Career Fitness Conference 2002 will be held in the Chicago area at Donald E. Stephens Convention Center, Rosemont, IL. For more information or to register, visit <http://www.aiche.org/careerservices>.

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

AICHE UNDERGRADUATE SCHOLARSHIP AWARDS**Congratulations to our Scholarship Winners!!**

The AIChE Pittsburgh Section Undergraduate Scholarship Award Selection Committee is pleased to announce the successful candidates for the 2002-2003 academic year. This year, the Section is awarding **two \$750 Scholarships**. For the previous three years, one \$500 award was made each year. Students from the Chemical Engineering Departments of Carnegie Mellon University, University of Pittsburgh, West Virginia University, and Youngstown State University, and sons or daughters of Section Members attending an AIChE

accredited Chemical Engineering Department are eligible to apply for the Scholarships. The Scholarships are provided from the income of a Scholarship Endowment Fund and from a dedicated portion of the Annual Dues of the Section Membership.

The successful 2002-2003 awardees are
Ms. Daisy Digmanese, a Sophomore attending Carnegie Mellon University, and

Mr. Jordan Green, a Junior attending Carnegie Mellon University.

Samuel W. Vance, Chairman, Pittsburgh Section Undergraduate Scholarship Award Selection Committee

HUMOR***GREAT TRUTHS ABOUT LIFE, THAT LITTLE CHILDREN HAVE LEARNED:***

1. No matter how hard you try, you can't baptize cats.
2. When your Mom is mad at your Dad, don't let her brush your hair.
3. If your sister hits you, don't hit her back. They always catch the second person.
4. Never ask your 3-year old brother to hold a tomato.
5. You can't trust dogs to watch your food.
6. Don't sneeze when someone is cutting your hair.
7. Never hold a Dust-Buster and a cat at the same time.
8. You can't hide a piece of broccoli in a glass of milk.
9. Don't wear polka-dot underwear under white shorts.
10. The best place to be when you're sad is Grandpa's lap.

GREAT TRUTHS ABOUT LIFE, THAT ADULTS HAVE LEARNED:

1. Raising teenagers is like nailing Jell-O to a tree.
2. Wrinkles don't hurt.
3. Families are like fudge . . . mostly sweet, with a few nuts.
4. Today's mighty oak is just yesterday's nut that held its ground.
5. Laughing is good exercise. It's like jogging on the inside.
6. Middle age is when you choose your cereal for the fiber, not the joy.



RESEARCH PROJECTS IN PROGRESS

Title: Video Imaging Studies Of Tablet Movement In A Rotating Pan Coating Device

Authors: Sandeepa Sandadi and Richard Turton

Affiliation: Department of Chemical Engineering, West Virginia University

Abstract

The uniformity of coating applied to large particles and tablets in rotating-drum coating devices is of significant interest to the Pharmaceutical Industry. This is especially true when the coating contains active material or provides a sustained release barrier for drug transport. As tablets move around the coating drum, they periodically spend time at the surface of the avalanching layer and pass through the spray zone. During their passage through the spray region, they receive amounts of coating solution proportional to the time spent in the spray zone and the area exposed to the spray. The purpose of this research is to quantify parameters that characterize the movement of the tablets through the spray region. The three parameters of greatest interest are

- The circulation time that is defined as the time between successive particle sightings at the surface of the bed.
- The exposure time that is defined as the time that a particle spends within the spray zone during each pass.
- The surface area of the tablet projected toward the spray source (nozzle) during each pass through the spray zone.

In order to measure these parameters, a digital imaging system has been developed and implemented to analyze images of the surface of the tumbling tablet bed. A single black tracer particle is introduced into the bed. The tracer particle location and movement at the surface of the bed are analyzed using machine-vision software (Sherlock 6.0) that processes and analyzes digitized images obtained at a framing rate of 30 Hz. The experimental set-up and preliminary results from this system will be discussed.

For Additional Information Contact:

Sandeepa Sandadi
Dept of Chemical Engineering,
POBox: 6102, 453 ESB,
West Virginia University,
Morgantown, WV - 26506

Sandeepa Sandadi presenting her research at our Feb. Meeting, 2002.

It was a full house at the Feb. Meeting!

WVU AIChE Members

NEWSLETTER DEADLINE

**THE DEADLINE FOR THE MARCH NEWSLETTER IS
MARCH 18, 2002**

Please submit information to
Peggy Panagopoulos at
ChemTech Consultants
1370 Washington Pike, 4th Floor
Bridgeville, PA 15017
pegpana@chemtech88.com or Fax: 412-221-5685

AICHE'S 55TH CAREER FAIR

Held in conjunction with the Career Fitness Conference,
<http://www.aiche.org/careerservices/jobs/careerfit.htm>

Sunday & Monday, April 7 & 8, 2002

Donald E. Stephens Convention Center, Rosemont,
Illinois

- **Apply for available job openings** and have the opportunity to interview with company representatives or chat with them informally. Bring plenty of resumes.
- **Network** with fellow engineers and company representatives.

Whether or not you plan to attend the Career Fair, introduce yourself to employers "virtually." Let participating employers preview your credentials prior to the Fair.

**Can't Make it?? Submit Your Resume (no fee)
Electronically - Opens Feb . 4**

Please note: once entered in the system, your resume cannot be edited

We cannot guarantee that you will find a job, or even receive an interview, by participating in the Career Fair. However, our Fairs have proven to be excellent opportunities to make the contacts that may lead to employment.

Historically, organizations that participate in an AIChE Career Fair seek practicing engineers. There are generally very few entry-level opportunities available.

AICHE PITTSBURGH EXECUTIVE COMMITTEE

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WSP Chemicals & Technology Inc.
724-266-7688

Vice-Chair & Program

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724-695-1945

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ChemTech Consultants, 412-220-4612

Engineers' and Chemistry Week

Nancy Hirko (nhirko@air-comp.com)
Air/Compliance Consultants, Inc., 412-826-3636

Committee Chairs

Safety & Environmental: Shiaw Tseng
Scholarship Sam Vance

Web Master

Richard Dupree (rrd@telerama.com)
724-775-5122

**An industrial sized problem
needs an industrial sized
solution**



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Contact Peggy Panagopoulos
pegpana@chemtech88.com
412-220-4612

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- Stack Testing •Dispersion Modeling •CEM Services
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- Permitting •Site Assessments •Compliance Audits
- SARA Reporting •ISO 14000

Contact: Jill Merrill
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