



MAY MEETING NOTICE

McAfee Awards Banquet

Where: Fox Chapel Golf Club
426 Fox Chapel Road
Pittsburgh, PA 15238
412-967-9081

When: Tuesday, May 10, 2005

Time: 6:00 PM Social, hors d'oeuvres and cash bar
7:00 PM Welcome and Dinner.
8:15 PM AIChE Overview
8:30 PM Award Presentation

Menu:

Hors d'oeuvres: Artichoke and parmesan canapés, Thai red curry chicken phyllo cups, California rolls, Smoked salmon on pumpernickel bread

Dinner: Served with Vichyssoise Soup and Jackson Salad

Please select from the following entrees:

- ❖ *Herb-crusted Tenderloin of Beef*, served with roasted new potatoes and steamed asparagus
- ❖ *Broiled Crab Cakes*, served with mushroom red potatoes and julienne vegetables

Dessert: Key Lime Mousse

Cost: \$55.00 AIChE Members (Please pay at door)

PLEASE RSVP NO LATER THAN MAY 6TH, 2005

To: Mr Ed Moretti,
Scholarship and Awards Committee Chair
Phone (412) 551-0567
emoretti@moretticonsulting.com

Your RSVP must include: **Name, Company Name, Email Address, and Phone Number.**

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 to defray the cost of your meal.

~2005 McAfee Award Recipient ~

Dr. George E. Klinzing

W.K. Whiteford Professor and Vice Provost for Research
University of Pittsburgh

Dr. George E. Klinzing received his Ph.D. in Chemical Engineering in 1963 from the Carnegie Institute of Technology. He joined the faculty of the University of Pittsburgh in 1966 after three years on a university development project in Quito, Ecuador. During his tenure at Pitt, he has served as Associate Dean for Research in the School of Engineering and Vice Provost for Research, his current position.

Professor Klinzing's research in the field of solids processing spans the topics of coal cleaning, coal-water slurries, coal dewatering, combustion, and pneumatic conveying of industrial bulk solids. His distinguished work in pneumatic transport has brought him international recognition and is evidenced by his 13 patents and more than 200 papers in outstanding journals.

Professor Klinzing has been very active in AIChE. He has served on national AIChE committees and has taught AIChE continuing education programs in pneumatic conveying around the world, including South Africa, Chile, Australia, Mexico, Japan, and Germany. He also has served the Pittsburgh Section as Secretary, Vice Chair, and Chair.

Professor Klinzing has held important positions in the American Society for Engineering Education, the American Particle Society, Sigma Xi, Oak Ridge Associated Universities, and Pennsylvania's Technology 21 Program on Environmental Technology.

Last year, he was recognized with AIChE's 2004 Particle Technology Forum Award.

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LETTER FROM THE CHAIR

Dear Members,

Another year has drawn to a close, and I'd just like to thank all of you for your continued support of our local section. It's been really fun meeting so many of you during my tenure as vice-chair and chair. I'll look forward to seeing you all at future AIChE events!

I'll be passing the gavel to the very capable hands of David Missenda, who will be your Chair for next year. Elections are just around the corner, so please contact me or Past Chair Nathan Peters if you're interested in being an officer (or know someone who is!) I hope to see many of you at our Awards Banquet next month.

Best wishes,

Jim Schneider,
Chair, AIChE Pittsburgh Section

LETTER FROM THE EDITOR

Dear Readers,

Greetings! It has been an eventful three years for the Pittsburgh Section Newsletter! During that time, we have transitioned over to a predominately electronic format, won the National AIChE's Marx Issacs Award for Excellence in Newsletters, and managed to keep everyone up-to-date with the many events going on in our very active Chapter.

I hope that you have enjoyed reading the newsletter as much as I've enjoyed working with our Pittsburgh Section. Although I am stepping down as Newsletter Editor, I plan to stay involved with AIChE, potentially in a new capacity.

We will be welcoming a new Editor in the fall, Mr. E.G. Klein, and I hope that you will join me in wishing him the best of luck! I look forward to seeing many of you at our upcoming meeting, and during the 2005-2006 Program Year!

Sincerely,

Mariangela Peters
Newsletter Editor, AIChE Pittsburgh Section

THANK YOU!

To Mr. Eric Thumma of the PA DEP for his excellent presentation at our April Meeting, and to the Pittsburgh ACS Energy Section, for another successful Joint Meeting!

MONTHLY MEETING NOTICE (CONT.)

~ Directions to The Fox Chapel Golf Club ~

**426 FOX CHAPEL ROAD
PITTSBURGH, PA 15238
(412) 967-9081.**

From Downtown Pittsburgh

Take Liberty Avenue to the Greyhound Bus Station and Penn Central Station to the 16th Street Bridge. Turn left onto 16th Street Bridge. Cross bridge and proceed straight through traffic light. Turn right at yield sign onto Route 28 North. Travel Route 28N approximately 8 miles to Exit 8 (Fox Chapel Road/Waterworks/Freeport Road). Turn onto exit and bear left on the ramp. At traffic light turn left onto Fox Chapel Road and continue on it for 2 miles, proceeding straight through traffic light at the Fox Chapel Borough Bldg. FCGC is located ¼ mile on the right.

From PA Turnpike

Exit at Allegheny Valley Interchange (No. 5) and take ramp on right marked "Pittsburgh" onto Freeport Road. Continue on Freeport Road to 3rd traffic light and turn right toward Route 28 (shopping plaza with "Giant Eagle" store is on the right). Turn right at ramp marked "Pittsburgh" onto Route 28 South (Allegheny Valley Expressway). Continue on Route 28S approximately 5 miles to Exit No. 8 (Fox Chapel). At traffic light turn left onto Fox Chapel Road and continue on Fox Chapel Road 2 miles, proceeding straight through traffic light at the Fox Chapel Borough Building. FCGC is located ¼ mile on the right.

From Pittsburgh International Airport

From Airport Exit take PA 60 South towards Pittsburgh. PA 60S becomes Parkway West (I279 North). Travel on 279N approximately 15 miles through the Fort Pitt Tunnels. Continue on 279N to Route 28N (Exit 13). Travel Route 28N approximately 8 miles to Exit 8 (Fox Chapel Road /Waterworks/Freeport Road). Turn onto exit and bear left on the ramp. At traffic light turn left onto Fox Chapel Road and continue on Fox Chapel Road 2 miles, proceeding straight through traffic light at the Fox Chapel Borough Building. FCGC is located ¼ mile on the right.



MEMBERSHIP CORNER

Dear Members,

We are constantly updating our local membership database. Please send all change of address notifications to our Membership Chair:

Holly Gray
Michael Baker Jr., Inc.
Airside Business Park
100 Airside Drive
Moon Township, PA 15108

hgray@mbakercorp.com

If you have not already done so, please verify your updated e-mail address with us so that you will continue to receive monthly newsletters!

Thank you!

Please sign me up for the local Pittsburgh Section of AIChE

Name _____		
Company _____		
Address _____		
City _____	State _____	Zip _____
Business Phone _____		
Residence Phone _____		
Email _____		

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

Leigh Anne M. Wacker,
AIChE Treasurer
337 Quail Run Road
Venetia, PA 15367

2005-2006 LOCAL SECTION EXECUTIVE BOARD NOMINATIONS

There's just a few weeks left to think about joining next year's Pittsburgh AIChE Executive Board! It's the commitment of volunteers like you that keeps the Section running.

The Local Chapter will be holding its annual election for the following positions this May:

- Vice-Chair
- Treasurer
- Secretary
- Counselor

The Vice Chair will automatically elevate to the position of Chair in the 2006-2007 program year. The Treasurer, Secretary, and Counselor each serve a two-year term that will end in May 2007.

The following Chairperson position is also available for the 2005-2006 Program year:

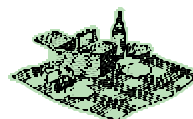
- Student Chapter Liaison

If you would like to learn more about any of these positions, please contact me by May 15th, 2005.

Thank you for your continued support of our local AIChE Chapter!

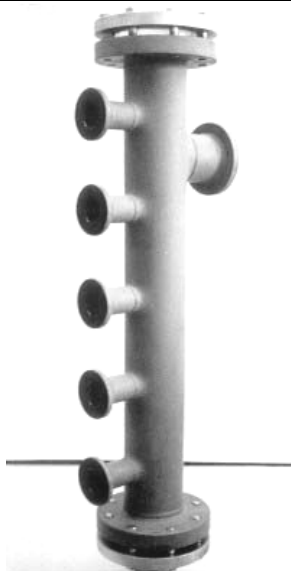
Best regards,

Nathan Peters
Past Chair
 412-847-2000 x227
npeters@chemadvisor.com



**Best Wishes
 for a
 Great Summer!!!**

From your Pittsburgh AIChE
 Executive Board and Committee Chairs



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NEWSLETTER DEADLINE

**THE DEADLINE FOR THE SEPTEMBER 2005
NEWSLETTER IS AUGUST 15, 2005.**

Please submit information to:

Mariangela Peters
Bayer MaterialScience, LLC
100 Bayer Road
Pittsburgh, PA 15205

Phone (412) 777-4195
mariangela.peters@bayermaterialscience.com

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AN ENGINEERING MONUMENT... COMING TO A FAIR NEAR YOU

In the next few months, you'll pass many an amusement park or fair. Odds are that one of the predominant and distinctive features that you'll see from a distance is replica of this structure designed in the late 1800's, as a monument to American Engineering.

He is quite arguably the greatest engineer born on Valentine's Day, and he made his mark in 1893 at the World's Fair in Chicago.

As the fair prepared to open, its organizers searched for an engineering achievement to surpass the Eiffel Tower. Today we think of it as a slice of turn of the century Paris, but at the time the tower was the latest in modern engineering. It stated boldly that the French were

prepared to construct the bridges and buildings of the twentieth century.

So, the Chicago Fair's organizing committee wanted some distinctive feature. "Mere bigness," they said, would not be enough; instead, they searched for "something novel, original, daring and unique" to show the "prestige and standing" of American engineers. They already had a chocolate Venus de Milo and a 22,000 pound cheese in the Wisconsin Pavilion, but they wanted more.

A 31 year old engineer approached them with an idea. He'd been hired to inspect the steel in all of the Fair's buildings, and he wanted to build on that expertise to create a monument in steel. At first the committee turned down his idea as "outlandish" and "too fragile." Undeterred he wrote them a letter spelling out his plan: "I have on hand," he said, "a great project for the World's Fair in Chicago. I am going to build a vertically revolving wheel 250 feet in diameter." His name, of course, was George Washington Gale Ferris. His proposal became what we now call a "Ferris Wheel."

What a spectacular monument he built: Using 100,000 separate parts he created a wheel as high as the tallest skyscraper in Chicago - even higher than the Crown of the Statue of Liberty. The wheel's axle alone weighed 140,000 pounds, and the 36 cars, each the size of a railway car, carried 60 people. Yet it was the wheel's lightness that startled people: Its rim seemed to float in the air held up only by gossamer steel spokes, like a bicycle wheel.

Ferris created not only a monument to America's engineering prowess, but also a new aesthetic experience: As the wheel descended - it took about 20 minutes for a complete revolution - the whole fair ground near Lake Michigan slowly opened into view.

This ride succeed in bring notice and, more importantly, paying patrons to the World's Fair. Even today Ferris Wheels are used to celebrate big events.

For example, when the British needed to welcome the new century they created a 450 foot tall Ferris Wheel renamed, though, the Millennium Wheel. And engineers in Singapore are creating a 100 million dollar wheel that'll take passengers 560 feet off the ground, and give them a spectacular view of neighboring Malaysia and Indonesia. Thus meeting the standard for spectacle set by George Ferris with his Ferris Wheel in the 1893 Chicago World's Fair.

Source: www.engineerguy.com



AN INVITATION

*Career Recognition Symposium
and
90th Birthday Celebration*

for

Irving Wender

*Distinguished University Research Professor
Chemical and Petroleum Engineering
University of Pittsburgh*

Guest Lecturers

Robert Bergman

*Professor of Chemistry
Gerald E. K. Branch Distinguished Professor
University of California, Berkeley*

Donna Blackmond

*Chair in Catalysis
Professor of Chemistry
Professor of Chemical Engineering and Chemical
Technology
Imperial College, London*

Tara Y. Meyer

*Associate Professor
Department of Chemistry
University of Pittsburgh*

Gtz Veser

*Assistant Professor
Chemical and Petroleum Engineering
University of Pittsburgh*

June 15, 2005

12:00 pm – 5:30 pm

**Frick Fine Arts Auditorium
Schenley Drive
University of Pittsburgh**



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For additional information and to register, visit

wender.che.pitt.edu

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To get started, register on the AIChE Web site at www.aiche.org/membership/knovel. This one-time registration process ensures security so that only AIChE members have access to the site. Your registration information will also help AIChE and Knovel to better understand your interests and hone this impressive collection.

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Please contact Mariangela Peters at
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Dr. Jim Schneider (schneider@cmu.edu)
Carnegie Mellon University
412-268-4394

Vice-Chair & Program

David Missenda (david_missenda@URSCorp.com)
URS Corporation
(412) 503-4620

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Treasurer

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Dr. Douglas Price (dmprice@cc.yzu.edu)
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Past Chair & Nominations

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412-826-3636

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Moretti Consulting Group, LLC
412-276-2228

Committee Chairs

Safety & Environmental: Shiaw Tseng
PE Review: Carl Schwartz

Web Master

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

ELECTIONS!! ELECTIONS!!!

**It is time to elect our 2005-2006 Pittsburgh Chapter Officers.
An electronic ballot will be distributed via email in late May.**

**Please contact Nathan Peters at npeters@chemadvisor.com or 412-847-2000 x227
if you are not currently on the email list.**

Keep an eye out for this year's ballot!

Mark your calendars!

For the Following Date:

May 10, 2005

Bi-Annual Award Banquet

AIChE Pittsburgh Section

McAfee Award at the Fox Chapel Golf Club

This will be our last meeting of the Program Year.

Have a great summer, and we look
forward to seeing you in September!



The Catalyst

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