

AIChE® Chicago Columns

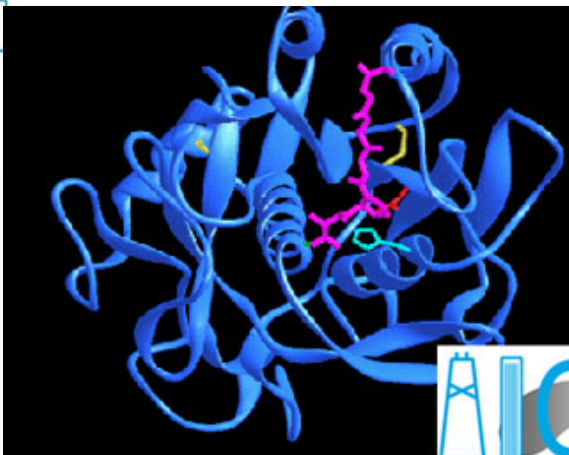
Chicago Section e-newsletter

September 2007

Upcoming Events:

Register NOW!

- > September 25 - 26: Fall Symposium
- > September 11 Thiele Award Presentation and "Chemical Engineering at the Environmental Protection Agency"
- > October 10-October Meeting / Citgo Tour



See Page 2



**September 25-26, 2007
University of Illinois at Chicago (UIC)
Chicago, Illinois 60607**



Further information at: <http://www.aiche-chicago.org/>

2007 Ernest W. Thiele Award Recipient Sponsored by BP

The American Institute of Chemical Engineers (AIChE) Chicago Section has named UOP's Lynn Rice the winner of the 2007 Ernest W. Thiele Award. This prestigious award is given annually to one Midwest AIChE member who has made outstanding contributions in the practice of Chemical Engineering.

Rice, a UOP senior engineering fellow, was recognized for his rich 37-year career, working as a principle innovator in the area of the petroleum refining process of isomerization. His numerous contributions have also led to a better understanding of gas-solid handling under reaction conditions, developing and maintaining engineering design tools and guidelines for the isomerization process. Rice is active with AIChE and currently serves as a Director of the Fuels & Petrochemical Division of AIChE.



Rice received a B.S. Ch. E. at the University of Alabama (graduating Tau Beta Pi) and a M.S. Ch. E. at the University of Colorado. He also has 15 US patents and 40 foreign patents.

Please make sure to at-

Further information at: <http://www.aiche-chicago.org/>

AIChE-Chicago Symposium 2007

Recent Developments in Refining, Energy, and Biotechnology

Symposium Overview

Stay in touch with the future of the ChE field by attending the two day 2007 symposium. The symposium focuses on emerging technologies presented by professionals from industry, academia, and government. Dr. Joe Cramer, AIChE National Technical Director will be in attendance at the symposium and this will be an excellent chance to meet him.

Technical Program Overview

Tuesday, September 25- Session I & II

Energy and Power Technology Developments: The production and use of energy and power is a very topical subject in today's world of high fuel prices and increasing scrutiny of greenhouse gas production. Economic and political or regulatory incentives are driving the need for more efficient use of energy in most industries. The same incentives are encouraging more efficient and effective production and delivery of power and energy. This session will highlight new developments in these areas with presentations on new technologies and methodologies for more efficient and effective production, delivery, and use of energy and power.

Refining Technology: As a follow-up to last year's symposium, the Chicago Section of AIChE will provide a half day of additional information on refinery technology. We will be including some of the papers presented at this year's AIChE Spring Conference, including some from a special topical conference: AIChE 10th Topical Conference on Refinery Processing. The sessions will include a look at the impact of tie-ins, technology to control unit heater fouling, and alternative refinery feedstocks.

Wednesday, September 26- Session III & IV

BioFuels Technology: Biofuels are becoming an integral part of modern "green" technology. Non-petroleum derived transportation fuels are expected to help us reduce our appetite for imported oil. The presentations in this session describe how these technologies are evolving and some of the forces driving that evolution.

Food Processing Technology: How do chemical engineers contribute to a safe, nutritious and delicious food supply? What are the current critical issues in the food industry? Speakers from industry and government will discuss how we are designing food plants to be sanitary, how we are modeling the dynamics of food contamination incidents, and other ways in which chemical engineers and chemical engineering principles are applied.

High School Program

Both Tuesday and Wednesday morning, AIChE and the University of Illinois at Chicago Departments of Chemical Engineering and Mechanical and Industrial Engineering will be presenting a program for students at local high schools. The High School Career Development program will include talks by Jim Reilly of NASA, a VP at UOP, Alan Zagoria of UOP, and Dennis O'Brien of Jacobs Consultancy. Please see the High School Program link for more details.

Career Fair

Join us on Wednesday, September 26, from 2 to 4 pm, for a graduate and undergraduate chemical engineering career fair organized by the Young Professionals Advisory Board (YPAB). Visit with employers such as Middough and GTI. The career fair is free with symposium registration. There will also be a High School Student Career session organized by the Chicago Section and UIC.

Dinners

There will be two dinner meetings at UIC associated with the Symposium and co-sponsored by Institute of Food Technology and Institute (IFT) of Electrical and Electronic Engineers (IEEE), both to be held at the UIC campus and open to everyone.

Further information at: <http://www.iche-chicago.org/>

THANK YOU! We would like to acknowledge our 2007 Symposium Sponsors: British Petroleum, Particulate Solid Research Inc, Exelon Commonwealth Edison, Jacobs Consultancy, Exxon-Mobile, CITGO, Abbott Laboratories, W.R. Grace - Davison, Gas Technology Institute, Motorola, Tom O'Brian (personal contribution), Carl Pasquarelli (personal contribution), UOP, Middough, Ambitech, Chicago Chem Consultants Corp, UIC EE/ME/ChE and Dean of Engineering Office Sponsorship

Chair's Corner: Passing on the Honor

A wise man once said "Put out the call for Merry Men and they'll come out of the woodwork. Then, give them the honor of serving the section." In that spirit, we have:

Homework Assignment #2: Find a young energetic chemical engineer and encourage them to get involved in the leadership of the Local Section.

Additional Notes and Comments: (i) This person need not be young nor do they need to be a chemical engineer. (ii) The assignment is **not** for them to merely get involved (for example going to a monthly dinner). The assignment is to become involved in the **leadership** of the section. That is, help with the planning and execution of events. (iii) At this point you are probably wondering: "What are these events in need of planning and execution? Do you have some examples?" Well yes, I do have some examples. Please read on.

The Board of Directors was recently presented with a "Summary of UOP Manager Interviews" (compiled by Alan Zagoria and his interview team: S. Brown, A. Kanyuh, M. Serban and J. Trucko). The report outlined a number ways the Local Section could better serve UOP and its employees, and, as Alan put it, create a win/win situation. The following is a subset of the new initiatives catalyzed by the Zagoria Report. The unifying thread in this set of initiatives is that each enjoyed strong support from the BOD and each was in need of a champion. (Note: A champion does not do all the work. This person coordinates activities and solicits support from others in the section.)

Bring more **Short Courses** to the Chicago area by polling the section membership and communicating with course providers. There should be no cost to the section, since attendees (or their employers) will pay for the course. A discount for LS members should be possible. The BOD envisioned 1-2 short courses per year.

Develop a Local Section **Welcome Flyer** for all new ChE's at local companies. Would also provide free dinner at their first meeting. Could be distributed by HR departments as part of the usual initiation paperwork.

Provide more **Awards** to local section members. Early- and mid-career awards for technical achievement were suggested, but the floor is wide-open for any other ideas. Definition of criteria, procedures and corporate sponsorship needed in all cases.

Initiate an annual event entitled "**Dinner with a CEO,**" possibly

in place of the March monthly meeting. As this dinner would require a bit more logistics than the common monthly meeting, the programming committee would need someone devoted to the event. Corporate sponsorship of the event would also be a plus.

Local Section hosting of an annual **ChE Midwest Career Fair** starting in the fall of 2008. If we draw perspective employees from the entire Midwest (including the schools), we should be able to draw employers from across the nation. The goal is to become the premier ChE career fair in the nation.

So, this is your list of volunteer examples. If none of these strike your fancy, the section has many additional volunteer opportunities (see <http://www.aiche-chicago.org/volunteerrequest.htm> for details).

The simplest way to complete Assignment #2 is to forward this newsletter to your candidate volunteer, with a note "Read the Chair's Corner" and have them email me directly (chmielewski@iit.edu) with their interest area. That's it! Should be the easiest homework assignment you ever completed.

See you next month.

- Donald J. Chmielewski
AICHE Chicago Chair



GUEST EDITORIAL
BY ALAN ZAGORIA

The AIChE Election – Does It Matter Who I Vote For?

Over the past 30 something years my attitude towards AIChE national elections was probably pretty similar to yours: *I don't know any of these people running, their bio's all sound alike, and it doesn't really matter anyway.* Well, I have spent the last 4 years pretty heavily involved in National AIChE leadership, and I have seen who we elect does matter. We have dug ourselves out of a big financial hole and are starting to focus on the future. Directors willing to work hard to change what we do and the way we do things, and better serve the majority who currently get little out of their membership *can* make a difference. I am writing this article because I happen to know three of this year's candidates for the Board of Directors – their accomplishments and leadership skills and ideas - and want to recommend them to you.



James Cobb and I work very closely on the Careers and Education Operating Council. He is a quiet leader who gets things done. He almost single-handedly saved our Continuing Education program from being completely trashed during the turmoil of a few years ago. When the Board wanted to kill it completely he worked hard to find a way to preserve it, and brought it back from the dead. While still keeping a hand in Professional Development he went on to take the chair of CEOC – supported me in my efforts to repair the disconnect between National and Local Sections, nurtured the Young Professionals Board, helped expand the Career Services activities, and helped address the Chem E car crisis. He deserves your vote.

Rob Reintjes developed a reputation throughout AIChE as the key force behind the incredible turnaround of the Boston local section (better known as Ichthyologists). Rob recruited and energized a group of volunteers that completely turned the Section around. They started off by asking what people want and then gave it to them! They changed the format of their meetings, focusing on networking. They redefined volunteer positions so they were meaningful to the volunteers. In a Section smaller than ours, they typically have triple the active participation. Just think what he could do if he helped focus the Board of Directors on what the members really want / need.

Those of you who know our native son **Gavin Towler** know that he is not afraid to speak up loudly to change things that are not working. In the CTOC operating council he pushed to move the existing Divisions and Forums to serve someone besides the participating academics, and succeeded. He has been active and knows the inside workings of many of these Divisions, yet is probably the loudest voice for expanding the focus of National AIChE to serve the 90% of the members who are not academics. He may well be the lever that helps overcome the inertia of National AIChE.

Thanks for your time, and I hope you will consider voting for these candidates.

Alan Zagoria



NOMINATIONS REQUESTED FOR THE ERNEST W. THIELE AWARD

The Ernest W. Thiele award is sponsored by BP and recognizes the outstanding contributions to our profession by a Midwest region chemical engineer. This award was established by the AIChE Chicago Section and is presented annually to a Midwest region AIChE member. This internationally recognized award consists of an engraved plaque and \$1000 honorarium presented at our sectional meeting.

Nomination forms and additional information can be obtained from the Thiele Committee Chair.

Thank You for your recent nominations and this years Thiele award recipient will be announced soon. One of the highest honors a distinguished chemical engineer can receive is our Chicago Section Thiele award. Please consider nominating a deserving engineer for this prestigious award.

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Naperville, IL 60566

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fax 630-420-4832

Further information at: <http://www.aiche-chicago.org/>

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 **ILLINOIS INSTITUTE OF TECHNOLOGY**

September Meeting Notice
"Chemical Engineering at the Environmental Protection Agency"
 William and Genevieve Damico
 Tuesday, September 11, 2007

[Click Here to Register](#)

Location: [MAP](#) to the restaurant

RAM Restaurant and Brewery – Schaumburg

1901 McConnor Pkwy
 Schaumburg, IL 60173-4300

PH: 847-517-8791

<http://www.theram.com/il-schaumburg.php>

Agenda:

Registration:	6:00 PM - 6:30 PM
Dinner:	6:30 PM - 7:30 PM
Thiele Award Presentation:	7:30 PM – 7:50 PM
Speaker:	7:50 PM - 8:40 PM
Brewery Tours:	after 8:40 PM

Cost:

\$30.00 for Members
 \$32.00 for Non Members
 \$5.00 for AIChE student chapter members
 \$13.00 for Unemployed Members



"Chemical Engineering at the Environmental Protection Agency"
 Genevieve and William Damico

William and Genevieve Damico are both chemical engineers with the Environmental Protection Agency. William currently works in the hazardous waste enforcement field. Genevieve works with State environmental agencies to issue permits regulating air pollution emissions from large facilities. William and Genevieve have, between them, employed their Chemical Engineering skills in a wide variety of areas of the Environmental Protection Agency and worked with a range of different types of industries. They will talk about both the overall scheme of environmental protection and how their chemical engineering background has been an asset in their careers.

Further information at: <http://www.aiche-chicago.org/>



October Meeting Notice AIChE Chicago

Tour of the CITGO's Lemont Refinery

October 10, 2007

Tour Location:

CITGO Petroleum Corporation
Lemont Refinery
135th Street and New Avenue
Lemont, Illinois 60439

[Click Here to Register](#)



Dinner Location:

Public Landing Restaurant (815) 838-6500
200 W. 8th Street
Lockport, IL 60441

Agenda:

5:15 -5:30 pm	Arrive at Refinery parking lot (off 135 th Street) and board 2 busses.
5:30 -6:15 pm	Bus tour of the refinery – tour guides Kerry Dougan and Jerry Wilks
6:15-6:35 pm	Busses drive to Lockport
6:35-6:45 pm	People move from the busses to the dining room at Public Landing
6:45-7:45 pm	Dinner with cash bar
7:45-8:30	Technical Presentation on Gasoline Blending Technology by Pat Rumchak and John Gobert
~8:30	Adjournment

Dinner Cost:

\$35.00 for Members ;\$40.00 for Non Members ;\$5.00 for AIChE student chapter members
\$15.00 for Unemployed Members

Family Style Dinner Including:

Seasonal Mixed Greens Salad, bread basket, seasonal vegetables, wild rice, tenderloin beef tips, citrus glazed chicken, Italian sausage with roasted peppers and pasta, and ice cream for dessert.

Further information at: <http://www.aiche-chicago.org/>



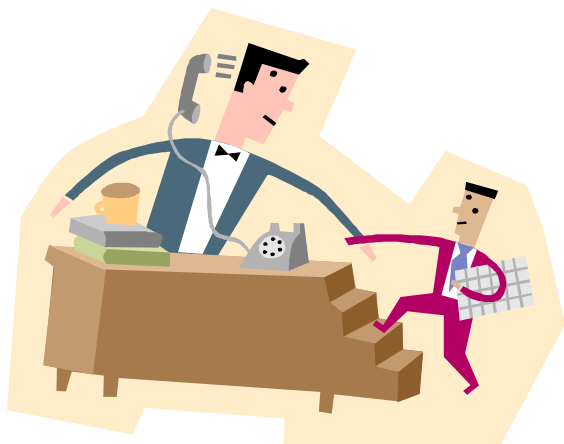
We want you for AIChE-Chicago!

We need your help!

How many opportunities can you find to learn project management, delegation and leadership skills for free? Becoming an officer in the Chicago Section of AIChE is such an opportunity. While you're learning new skills, your local network grows. Just about all of us are either undergoing a career change, contemplating a career change, or are wondering if our career will be changed for us. Volunteering with AIChE is a way to add skills and accomplishments to your resume.

aichechicom@aiche-chicago.org

<http://www.aiche-chicago.org/volunteerrequest.htm>



SUBMITTING ARTICLES TO AICHE COLUMNS

We are now initiation a regular Newsletter and are welcoming people to e-mail any material they would like to appear on the newsletter. These can be job postings, advertisements for upcoming committee meetings, articles, general advertisements or anything else you may want to submit. To submit material e-mail your material to aichechicom@aiche-chicago.org with "newsletter article request" as a subject heading.



AICHE Publicity Committee Fees

	Academic (non-AICHE)		Company		Recruiters	
	Per Month	Per Year	Per Month	Per Year	Per Month	Per Year
Advertisements (3X3)	100	450	150	675	N/A	N/A
Half-Page (~7"x 4.5")	280	1260	420	1890	N/A	N/A
Job Posting (Size?)	50	225	100	450	250	N/A
Special Sizing	Contact Publicity Committee					

- For the purchase of a year ad, customers have the option of changing ads/jobs month to month.
- They are not stuck with the same ad/logo for the whole year.
- Student and AIChE Member Related Postings are Free

