



**Symposium on**

***Recent Developments in Refining,  
Energy, and Biotechnology***

September 25<sup>th</sup> and September 26<sup>th</sup>, 2007  
At the University of Illinois at Chicago (UIC), Chicago, IL

The American Institute of Chemical Engineers (AIChE) Chicago Section is holding a symposium on September 25<sup>th</sup> and September 26<sup>th</sup> of 2007, co-sponsored by the Departments of Chemical Engineering and Mechanical Engineering at the University of Illinois at Chicago (UIC), Chicago.

This **two-day symposium** features sessions in

- **Refining Technology Developments**
- **Energy Technology Developments**
  
- **Biofuels Technology**
- **Food Technology Developments**

These sessions feature invited presentations by leading industrial and academic professionals and promise to focus on the challenges and the opportunities that chemical engineers and other technical professionals face in today's rapidly changing technological landscape.

In addition to the technical sessions, this year's program will include a **high school student outreach program** for local schools and a **job fair** coordinated by the Young Professionals Advisory Board (YPAB).

***You benefit from*** learning about the new areas of research, development & new applications while networking with leading authorities in these areas. You will also earn **Professional Development Hours** for attendance, which can be used to keep **P.E.** and other licenses current.

***Your company benefits from*** understanding the potential impact of these new technologies on the future direction of its business. In addition, your company can use this forum to promote itself to the many students who will be attending this symposium. For more information on sponsorship opportunities and on posting career opportunities, please contact [bgahan@alumni.pitt.edu](mailto:bgahan@alumni.pitt.edu).

***Don't Miss this Symposium on Leading-Edge Technologies!  
Register NOW!!!***

**For more details visit [www.aiche-chicago.org/symposium](http://www.aiche-chicago.org/symposium)**

## **SYMPOSIUM SESSION TOPICS**

### ***TUESDAY***

#### ***Morning Session: 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.

Chair: Jerry Wilks, CITGO,  
[gwilks@citgo.com](mailto:gwilks@citgo.com)

Co-Chair: Ade Ogunrinde, CITGO,  
[ogunade@iit.edu](mailto:ogunade@iit.edu)

#### ***Afternoon Session: Energy Technology***

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.

Chair: Michael A. Schultz, UOP,  
[mike.schultz@uop.com](mailto:mike.schultz@uop.com)

Co-Chair: Kevin Taylor, AIChE - Detroit,  
[K2356@aol.com](mailto:K2356@aol.com)

### ***WEDNESDAY***

#### ***Morning Session: 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.

Chair: Pat Shannon, Middough Consulting,  
[Shannoph@middough.com](mailto:Shannoph@middough.com)

Co-Chair: Jerry Palmer, Ambitech,  
[jpalmer@ambitech.com](mailto:jpalmer@ambitech.com)

#### ***Afternoon Session: 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.

Chair: J. Peter Clark, Consultant and  
Institute of Food Technologists (IFT)  
Liaison, [jpc3@att.net](mailto:jpc3@att.net)

Co-Chair: David Dixon, The Facility Group,  
[david.dixon@facilitygroup.com](mailto:david.dixon@facilitygroup.com)

Details on individual presentation titles will be available online at [www.aiche-chicago.org/symposium](http://www.aiche-chicago.org/symposium) by Sept 14th.

**For more details visit [www.aiche-chicago.org/symposium](http://www.aiche-chicago.org/symposium)**

# HIGH SCHOOL STUDENT OUTREACH PROGRAM

*“Capturing Tomorrows Engineers Today – A Plan for the Future”*

Our nation is experiencing a continuing deficit of trained engineers and scientists. The Chicago Section of the American Institute of Chemical Engineers (AIChE) in conjunction with the University of Illinois at Chicago (UIC) is sponsoring this educational program to address these needs.

Chicago area high school students will receive a career-planning day from the Chicago Section of AIChE to acquaint them with engineering as a profession. Students will also receive lunch and a chance to meet young professionals and engineering students. UIC will have staff present to answer college-related questions from the approximately 300 Chicago area students and their chaperones.

Chair: Ludwig C. Nitsche, Associate Professor and AIChE Liaison, [lcn@uic.edu](mailto:lcn@uic.edu)

Co-Chair: Alan Zagoria, UOP, [Alan.Zagoria@uop.com](mailto:Alan.Zagoria@uop.com)

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***Recent Developments in Refining, Energy, and Biotechnology***  
**September 25<sup>th</sup> and 26<sup>th</sup>, 2007 at the University of Illinois at Chicago, Chicago, IL**  
**Register Online at [www.aiche-chicago.org/symposium](http://www.aiche-chicago.org/symposium)**  
**or Mail the Following Symposium Registration Form (Please Print Clearly)**

Last Name		First Name		MI
Company Name				
Mailing Address				
City		State	Zip	
Telephone	Fax	E-Mail Address		AIChE Membership No.

## REGISTRATION FEES

	By 8/15/2007	By 9/15/2007	On-Site	Day 1 Dinner** (Optional)	Day 2 Dinner** (Optional)
AIChE Members	\$ 145	\$ 175	\$ 190	\$ 35	\$ 35
Non-Members	\$ 165	\$ 190	\$ 220	\$ 35	\$ 35
AIChE YPAB***	\$ 105	\$ 130	\$ 140	\$ 35	\$ 35
Students	\$ 25*	\$ 25*	-----	\$ 5*	\$ 5*

\*Students refunded at the door \*\*Dinner for on-site registrants subject to availability  
\*\*\*Young Professionals Advisory Board  
Dinner Options:  Chicken  Beef  Vegetarian

Payment by Check  
(payable to AIChE, Chicago Section) Total Enclosed \$ \_\_\_\_\_

Payment by Credit Card  MasterCard  Visa

CC# \_\_\_\_\_

Card Holder \_\_\_\_\_ Exp. \_\_\_\_\_

Signature \_\_\_\_\_

Total Charge \$ \_\_\_\_\_

Please mail your registration and the payment to:

Chicago Section of AIChE  
Steve Rosenblum, Treasurer  
25 E. Algonquin Road  
Des Plaines, IL 60017-5017

Phone: (847) 375-7182 Fax: (847) 391-2758

OR

visit [www.aiche-chicago.org/symposium](http://www.aiche-chicago.org/symposium)

Parking is available for \$11/day in the UIC lot at the northeast corner of Taylor and Halsted (enter on Taylor).

For more details visit [www.aiche-chicago.org/symposium](http://www.aiche-chicago.org/symposium)



**REGISTER NOW!**

**AICHE™ Chicago Section**

***Recent Developments in Refining, Energy, and Biotechnology***

**A Symposium to be held September 25<sup>th</sup> & 26<sup>th</sup>, 2007 at**

Student Center East (SCE)  
 Cardinal, Dearborn, and Illinois Rooms  
 University of Illinois at Chicago (UIC)  
 750 South Halsted Street  
 Chicago, IL 60607

University of Illinois at Chicago Contacts:

Department of Chemical Engineering:	312-996-3424	<a href="http://www.uic.edu/depts/chme/">www.uic.edu/depts/chme/</a>
Department of Mechanical and Industrial Engineering:	312-996-5318	<a href="http://www.mie.uic.edu/">www.mie.uic.edu/</a>

AICHE-Chicago Symposium Contacts:

For sponsorship information:	Brian Gahan	224-730-9058	<a href="mailto:bgahan@alumni.pitt.edu">bgahan@alumni.pitt.edu</a>
For registration information:	Steve Rosenblum	847-375-7182	<a href="mailto:Steve.Rosenblum@uop.com">Steve.Rosenblum@uop.com</a>
For content information:	Jeff Perl	312-226-2436	<a href="mailto:jefferyperl@chichem.com">jefferyperl@chichem.com</a>

**Symposium Organizing Committee Members**

If you would like more information on the symposium or would like to inquire about company sponsorship opportunities, please contact [aichechicago@gmail.com](mailto:aichechicago@gmail.com).

<b>Symposium Chair</b>	Jeff Perl, Chicago Chem	<b>HS Student Program</b>	Ludwig Nitsche, UIC ChE Alan Zagoria, UOP Honeywell
<b>Symposium Co-Chairs</b>	Ludwig Nitsche, UIC ChE Shannon Brown, Ambitech	<b>Publicity</b>	Heather Mayes, Jacobs Consultancy Nelida Flores, Abbott Tom King, UOP Honeywell Lyric Croy, IIT AICHE
<b>Chair Energy</b>	Mike Schultz, UOP Honeywell Kevin Taylor, Detroit AICHE	<b>Finance</b>	Steve Rosenblum, UOP Honeywell Brian Gahan, Laser Rock Technologies, LLC Azita Ahmadzadeh, IIT Shannon Brown, Ambitech
<b>Chair Food</b>	J. Peter Clark, Consultant and IFT Liaison David Dixon, Ambitech	<b>Advisory Committee</b>	Dennis O'Brien, Jacobs Consultancy Don Chiemelewski, IIT ChE Brian Gahan, Laser Rock Technologies, LLC Annette Johnston, Abbott Labs Azita Ahmadzadeh, IIT William M. Worek, UIC Mechanical and Industrial Engineering
<b>Chair Biofuels</b>	Patrick Shannon, Middough Consulting Jerry Palmer, Ambitech		
<b>Chair Refinery</b>	Jerry Wilks, CITGO Ade Ogunrinde, CITGO		
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<b>UIC Liaison</b>	Jon Smith, UIC AICHE Dima Alfawakhiri, UIC AICHE		

**For more details visit [www.aiche-chicago.org/symposium](http://www.aiche-chicago.org/symposium)**