



American Institute of Chemical Engineers Knoxville-Oak Ridge Section

For additional information see our Web site at: <http://www.ornl.gov/sci/aiche/>
Or contact: Linda Puckett, puckettlf@ornl.gov, (865)574-6984 or
Betty Frazier, bfrazier@utk.edu, (865)974-2421

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December 2007 Meeting

Date: Thursday, December 13, 2007
Cost: \$20
Location: Estilita's, West End Avenue, Farragut TN (northern extension of Concord Road - off Kingston Pike)

Menu: Choice of Taco Salad Fajita (beef or chicken), Shrimp enchiladas, Fajitas (beef or chicken), The Chango Chimi Grande (soft or fried, beef or chicken) for main course; Soapilla for Desert; and Soft Drink

5:30 pm Executive Committee Meeting (All members welcome)
6:00 pm Dinner
7:00 pm Program – Dr. Charles W. Forsberg, Oak Ridge National Laboratory,
Combining Nuclear, Renewable, and Fossil Fuel Cycles for Sustainability

Abstract – The energy and chemical industries face two great sustainability challenges: the need to avoid climate change and the need to replace crude oil as the basis of our transport and chemical industries. These challenges can be met by changing and synergistically combining the fossil, biomass, renewable, and nuclear fuel cycles to meet our energy needs, replace crude oil, and avoid excess greenhouse gas releases.

Bio – Dr. Charles Forsberg is a Corporate Fellow at Oak Ridge National Laboratory, a Fellow of the American Nuclear Society, and recipient of the 2005 Robert E. Wilson Award from the American Institute of Chemical Engineers for outstanding chemical engineering contributions to nuclear energy, including his work in hydrogen production and nuclear-renewable energy futures. He received the American Nuclear Society special award for innovative nuclear reactor design and the Oak Ridge National Laboratory Engineer of the Year Award. Dr. Forsberg earned his bachelor's degree in chemical engineering from the University of Minnesota and his doctorate in Nuclear Engineering from MIT. He has been awarded 10 patents and has published over 200 papers.

Please make your reservations as soon as possible, but no later than December 12, by contacting

Linda Puckett, puckettlf@ornl.gov, (865)574-6984 or
Betty Frazier, bfrazier@utk.edu, (865)974-2421.

The Section will subsidize up to 15 students.

AICHE Ambassador Program

The AIChE is looking for members who are interested in volunteering as Ambassadors for AIChE.

The AIChE **Ambassador Program** is an exciting initiative that offers each Student Chapter access to a professional in the field – an “Ambassador” – who will come to their chapter meetings, share their personal experiences with AIChE, and create a buzz about student membership.

Lowell Aplebaum, Student & Corporate Relations Professional, has extended an invitation for interested chemical engineering professionals to become a part of this essential program. If you are interested, please R.S.V.P. to Lowell Aplebaum at lowea@aiiche.org or Kevin Taylor, K2356@aol.com to participate. The AIChE would like to begin matching Ambassadors with nearby schools in December, so please R.S.V.P. by early December and indicate the time frame you prefer to attend, anytime between December 2007 and May 2008.

Ambassadors are truly the face of AIChE

Ambassadors are AIChE members like you who are committed to developing future chemical engineers and strengthening both the national and local sections of AIChE. They are practicing professionals who know what it takes to enter the field of chemical engineering and sustain a successful career. And the objective is that each Ambassador will be matched based on location, which will be convenient for both the Ambassador and the Chapter.

In addition to speaking about the benefits of student membership, Ambassadors will provide two or three topics they feel comfortable making presentations on that would be of interest to student chapters - like specialties within the field of chemical engineering or making the transition from school to workplace. The Chapter will then choose the topic they prefer.

There's no need to be an expert on benefits students receive. There will be a helpful group training session if you sign up early and individual training if you sign up later.

Everyone benefits from the Ambassador Program

Becoming an Ambassador is a powerful way to share your own experiences to help students as they prepare to enter the workplace. I can't think of a better way to connect with students who are future chemical engineers and - quite possibly - future members of your Local Section. As an Ambassador, you will be publicly thanked and acknowledged among AIChE's general membership - recognition that will further your professional career and be richly deserved.

To volunteer to be a local Ambassador, simply contact AIChE at lowea@aiiche.org or K2356@aol.com.

Nominations for 2008 Local Section Officers and Directors

Ben Lewis is chairing the Knoxville-Oak Ridge section Nomination Committee and is looking for individuals to run for office for the Section for 2008.

Per the By-Laws, the following officers are elected each year: Chair-Elect, Secretary, Treasurer, and two Directors. The Chair-Elect is a three-year commitment. Directors serve for a two-year term. Secretary and Treasurer serve for one year.

The Section is looking for people with an interest in becoming

more involved in leadership and willing to commit a small amount of time each month to assist with the operation of the local Section. If you are willing to serve, please give your name to Ben as soon as possible at (lewisbejr@ornl.gov).

Elections are in December and the terms begin in January 2008.



*“Always bear in mind that
your own resolution to
succeed is more important
than any one thing.”*

*Abraham Lincoln
16th president of US (1809 -
1865)*

Job Opportunities

The job opportunities below were received near the end of October.

Please take a look at the list of positions available and if you are interested, contact Brian Bigger at the number listed below or by email. All inquiries are considered confidential.

POSITIONS AVAILABLE:

Plant Manager, NE
EH&S Manager, NE
Maintenance Manager, SD
Reliability Engineer, IA
Plant Engineer, IA
Operations Manager, IA
Operations Manager, MN
Maintenance Manager, MN
EH&S Specialist, IA
EH&S Specialist, NE
Reliability Engineer, NE
Director of Supply Chain &
Logistics, NE

The People Solutions Company
for Agriculture, Energy, and Food.

Brian Bigger
Global Recruiting Solutions
201 E Main Ave
PO Box 235
Frazee, MN 56544
Toll Free: 888-334-6142 ext. 101
Fax: 218-334-6144

Web Site:

www.globalrecruitingsolutions.com

Email:

brian@globalrecruitingsolutions.com

Activities Calendar

| Date | Time | Topic | Speaker | Location |
|--------------|---------|---|--|--|
| Dec 13 | 6:00 PM | Combining Nuclear, Renewable, and Fossil Fuel Cycles for Sustainability | Dr. Charles W. Forsberg, Oak Ridge National Laboratory | Estilita's, West End Avenue, Farragut TN |
| Jan 17 | 6:00 PM | Bio-based Propanediol | Gregory M. Wenndt, DuPont-Tate&Lyle | TBD |
| Feb 19 or 21 | 6:00 PM | Joint meeting with ANS | TBD | TBD |
| Mar 13 or 25 | 6:00 PM | U.T. Biodiesel car | TBD | TBD |
| Apr 6-10 | | 2008 AIChE Spring National Meeting | | New Orleans, LA |
| Apr 22 or 24 | 6:00 PM | Student Awards | TBD | TBD |
| May 15 or 20 | 6:00 PM | U.T. Chemical Engineering Dept. | TBD | TBD |

Sponsoring Opportunities

We continue to accept advertising in the newsletter in order to provide funds to support student participation in the meetings.

Rates per newsletter are:

\$80 full-page advertisement

\$45 half-page advertisement

\$25 quarter-page advertisement

The section will also continue to accept individual or corporate sponsors to provide student meals at section meetings. The sponsor will be recognized at the meeting and in the Newsletter.

The cost to sponsor one meeting is **\$200**. It's a great way to encourage students to attend the local meetings and become future members in the Institute!



"It is possible to fail in many ways...while to succeed is possible only in one way."

*Aristotle, Nichomachean Ethics
(384 BC - 322 BC)*

Officers

| | | | |
|-----------------------|---------------------|----------|--|
| Chair: | Mark Swientoniewski | 574-1150 | swientoniemd@bechteljacobs.org |
| Chair-Elect: | Michael Hollander | 966-4402 | mhollander@tds.net |
| Secretary: | Doug Hayes | 974-7991 | dhayes1@utk.edu |
| Treasurer: | Paul Taylor | 574-1965 | taylorpa@ornl.gov |
| Directors: | Ben Lewis | 574-4091 | lewisbejr@ornl.gov |
| Term ends 2008 | Steve McCoy | 220-4730 | steven.mccoy@ttnus.com |
| Term ends 2008 | Ed Alperin | 694-7335 | Ed.alperin@shawgrp.com |
| Term ends 2007 | Stuart Daw | 946-1341 | dawcs@ornl.gov |
| Term ends 2007 | Charles Forsberg | 574-6783 | forsbergcw@ornl.gov |
| Membership: | Paul Taylor | 574-1965 | taylorpa@ornl.gov |
| Newsletter: | Linda Puckett | 574-6984 | puckettlf@ornl.gov |
| Webmaster: | Ben Lewis | 574-4091 | lewisbejr@ornl.gov |
| E-mail: | | | aiche-chat@chem.engr.utk.edu |
| Website | | | http://www.ornl.gov/aiche |

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We're on the Web!

See us at:

<http://www.ornl.gov/sci/aiche/>

About Our Organization... Career Benefits as an AICHE Member

AICHE offers networking opportunities via local sections, divisions, forums, and conferences. Members can also network and reach out to fellow members by searching the members-only online directory. Young professionals and graduating seniors can jump start their careers with AICHE's unparalleled member network.

AICHE's [CareerEngineer](#) is a job search for

chemical engineering jobs across the country. You can post your resume and search chemical engineering positions. AICHE members also receive a discount for personalized career advice and services at ExecuPlanet.com.

Since training is essential to staying competitive, AICHE offers members discounted rates on over 300 technical training and management courses,

through a partnership with American Society of Mechanical Engineers (ASME) and the American Management Association (AMA).

(Excerpt from the National AICHE web site:

<http://www.aiche.org/CareersEducation/QuickFacts/index.aspx>)

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