



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)574-6147 or
Christina Wilson, csoto@utk.edu, (865)974-2421

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Thank-you to our advertiser – Innovative Design, Inc.

October 2011 Meeting

Date: Thursday, October 13, 2011

Cost: \$20.00

Location: Calhoun's, Turkey Creek Shopping Center, Knoxville TN

5:30 pm AIChE Executive Committee Meeting (All members welcome)

6:00 pm Dinner – From menu

7:00 pm Program – We will replay a recording of the September 14 Webinar by Dr. Mary Lou Dunzik-Gougar, Kenny Anderson, and Nathan Sanfilippo, ***Fukushima Daiichi - An Update on the Current Status, Lessons Learned, and Path Forward for the Global Nuclear Industry***

This meeting will highlight the resources available to AIChE members through "ChemE On Demand" (<http://apps.aiche.org/chemeondemand/home.aspx>). AIChE professional members are entitled to 6 FREE 'credits' each year, worth over \$700, which are good for live or archived content in ChemE on Demand. Undergrad student members get free unlimited access to ALL archived content.

We will show how to access the information through ChemE On Demand, and replay a recording of the September 14 Webinar

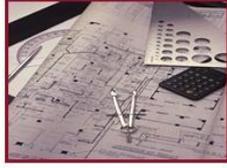
Abstract – *Fukushima Daiichi - An Update on the Current Status, Lessons Learned, and Path Forward for the Global Nuclear Industry*. This Webinar was originally presented by Dr. Mary Lou Dunzik-Gougar, Kenny Anderson, and Nathan Sanfilippo on Wednesday, September 14 at 2:00-3:30 p.m. ET and will be replayed for the technical portion of the October 2011 meeting of the Knoxville-Oak Ridge Local Section of AIChE.

On March 11, 2011, the magnitude 9.0 (Mw) Tohoku earthquake occurred off the coast of Japan. This earthquake was the most powerful known earthquake to have hit Japan. It was also one of the five most powerful earthquakes in the world, and, combined with the ensuing tsunami, tragically resulted in more than 20,000 persons confirmed dead or missing. Learn about what happened, the current status at Fukushima Daiichi, and an overview of the follow-up Nuclear Regulatory Commission (NRC) report.

Please make your reservations by noon, October 13, by contacting

Linda Puckett, puckettlf@ornl.gov, (865)574-6147 or
Cristina Wilson, csoto@utk.edu, (865)974-2421

The Section will subsidize up to 15 students, including graduate students



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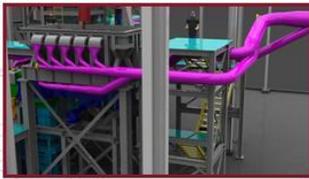


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AIChE Midwest Regional Conference - November 10-11, 2011

The AIChE Chicago Local Section and the Department of Chemical Engineering at the University of Illinois at Chicago (UIC) are holding AIChE's 2011 Midwest Regional Conference on November 10 and 11.

The sessions will feature invited presentations by leading governmental, industrial and academic professionals and focus on the challenges and the opportunities involved in our profession. With a thought provoking theme of "Energy is everything - Game Changers", this year's talks will help us better understand the many aspects of this critical topic.

A featured aspect of the symposia is a high school student outreach program for local schools. The featured speaker is Dr. Al Sacco -- Dean of College of Engineering at Texas Tech University and former NASA astronaut.

Other highlights include sessions designed for young professionals and local university research programs and updates.

This is a great opportunity to earn Professional Development Hours at this meeting, which may be used to satisfy continuing professional competency for P.E. and other licenses.

For more information and registration please visit the following website: <http://midwestregional.aiche.org/>

2011 AIChE Annual Meeting – Minneapolis MN

The following is a reprint of a letter from the 2011 AIChE President concerning the upcoming Annual Meeting in Minneapolis October 16-21.

I hope you share my excitement about this year's AIChE Annual Meeting and International Congress on Energy: Sustaining Supplies. In case you haven't heard, this year we have the pleasure of meeting in the Twin Cities for the first time.

This part of the United States truly deserves the reputation it has as a center of industrial and academic innovation. Of course you already know that because you're one of the people driving that process. I'm hoping that you'll choose to join us for at least part of the Meeting even if it has been a while since you last attended. I'm also hoping you can help us get the word out but let me tell you about what's planned first.

As always, the meeting highlights the latest research in areas such as energy, sustainability, water, and healthcare. The Meeting is a week of top-notch lectures, topical conferences, and more than 750 sessions, all complemented by special events and receptions.

Key events to look for include:

- A major focus on energy-related themes, highlighted by the 2011 International Congress on Energy: Sustaining Supplies
- A special AIChE-CCR Plenary Symposium, "Chemical Science Innovation: Future of the US Chemical Enterprise," co-sponsored by the Council for Chemical Research
- Topical conferences devoted to water technology, comprehensive quality by design in pharmaceutical development and manufacture, sensors, and systems biology
- Major lectures and the 4th Corporate Innovation Award which is being awarded to Xerox Corporation
- And much more

You can see the complete program and information about the major lectures and special events by visiting the AIChE website at <http://www.aiche.org/annual>.

One last thing: I'd like to ask you not just to attend but to help spread the word in your organization. I'm certain that with so much cutting edge content there is something related to what you and your colleagues work on.

Thanks for your help. I look forward to seeing you in Minneapolis in October.

Sincerely,

Maria K. Burka
AIChE President, 2011



eChemExpo 2012 – Kingsport TN

Planning is underway for eChemExpo 2012. The 7th eChemExpo *Solutions Marketplace* & 5th *Technology Innovations Conference* will be held **Thursday May 24, 2012** in Kingsport Tennessee, home to the chemical industry's largest single chemical processing complex. This one-day exposition and *Technology Innovations Conference* will feature over 100 solution providers demonstrating hundreds of products and services to save you time, increase profitability, and streamline plant operations. The exhibit features suppliers of equipment for chemical manufacturing.

The supplier-funded exhibit is underwritten by Peter Knox of Knox Publishing. Exhibitors find this to be an attractive opportunity for showing products and technologies related to manufacturing processes. The exhibit is in Kingsport TN, where Eastman Chemical Company is able to send a few hundred participants for the trade show and seminar opportunities. In addition; Domtar, Nuclear Fuel Services, British Aerospace, and several other firms also participate.

For additional information on this conference, please see their web-site, <http://www.echemexpo.com/>.

Board of Architectural and Engineering Examiners Open Forum

The Board of Architectural and Engineering Examiners is pleased to announce it will have an Open Forum for registrants, building, fire, and planning officials, the public, and other interested parties. You are cordially invited to observe the entire Board meeting or voice your comments and concerns during the Open Forum.

Meeting Date: Friday, October 14, 2011

Open Forum: 9:00 a.m.-10:00 a.m.

Location:

The University of Tennessee at Knoxville
Art and Architecture Building Conference Room
1715 Volunteer Blvd
Knoxville, TN 37996

A campus map is available at <http://www.utk.edu/maps/>.

Parking Information: Visitor parking is available in the University Center Parking Garage at the corner of Andy Holt Avenue and Phillip Fulmer Way. Limited visitor parking is also available on Circle Park Drive or in metered parking spaces. For additional parking information, please contact UT Parking and Transit Services at [865-974-6031](tel:865-974-6031).

We hope you will be able to visit with the Board on October 14.

For the Board,

John Cothron
Executive Director
Board of Architectural & Engineering Examiners
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In an effort to improve our service, please rate your experience with the Division of Regulatory Boards by completing the brief survey at <http://www.tn.gov/commerce/boards/survey.shtml>. Your feedback is appreciated.

Starting Salaries – 2010 - 2011

The University of Tennessee Career Services organization posts salary information for a number of disciplines at <http://career.utk.edu/pdf/Salary%20Survey%202010-2011.pdf>. Information on job offers accepted immediately following graduation is compiled from employing organizations and graduates. The salary information for Bachelor's degrees is given in Table 1. Limited additional information on Masters Degrees is also available from UT's web site.

(Source: UT Career Services web site, <http://career.utk.edu/pdf/Salary%20Survey%202010-2011.pdf>)

Table 1. Salaries accepted by 2010-2011 graduates.

BACHELORS College/Major	#	High	Low	Mean 2010-2011	Mean 2009-2010	Mean 2008-2009	Mean 2007-2008	Mean 2006-2007
AGRICULTURE	16	76000	17000	34965	35333	33341	31830	30961
Agri Economics & Bus.	3	31500	17000	23447	NA	17680	NA	30552
Food & Ag Business	4	76000	17000	45933	NA	42000	NA	NA
Plant Sciences	3	35000	24000	28000	33500	NA	NA	NA
ARCHITECTURE	10	46000	19760	36622	27480	35833	39543	39118
Architecture	8	46000	24960	38808	27480	35833	40842	39118
ARTS & SCIENCES	31	55000	14000	26765	30357	33087	36398	34055
Biological Sciences	3	46000	15080	35693	NA	NA	NA	NA
Mathematics	3	30000	14000	22033	NA	NA	NA	NA
Political Science	4	24000	15000	17650	33666	26585	36500	30298
Psychology	6	30000	18000	23420	27884	26850	29648	25297
Sociology	3	30000	18000	25167	NA	38500	NA	NA
BUSINESS	211	75000	18600	43742	43184	43861	43069	38783
Accounting	36	58240	30000	43959	42400	49159	44162	41404
Enterprise Management	4	40000	20800	31450	54000*	42444	42833	NA
Finance	24	75000	20000	45933	40117	43732	41706	42296
Human Resource Dev. & Mgmt	6	50000	24000	37767	34900	32186	27000	35250
Logistics & Transportation Management	84	67000	24960	48225	48755	49788	47564	45006
Management	19	60000	20000	36358	39696	46214	36500	38000
Marketing	30	70000	20800	40859	38987	34180	37775	36925
COMMUNICATIONS	15	43000	15392	26202	29686	33942	32060	31598
Communication Studies	4	42000	18000	30750	30142	33666	32473	35000
Journalism	6	33000	18000	24167	25476	24000	32366	31640
Public Relations	3	43000	24000	31000	30875	38000	31750	25400
ENGINEERING	96	96000	18000	56225	56715	55608	53855	54067
Aerospace	4	70000	18000	51562	57393	44833	57250	50300
Biomedical	4	96000	33000	61625	NA	43900	NA	NA
<u>Chemical</u>	<u>11</u>	<u>89000</u>	<u>26500</u>	<u>64604</u>	<u>67504</u>	<u>58346</u>	<u>65894</u>	<u>63416</u>
Civil	13	90000	21600	49831	45658	55423	47445	44325
Computer Engineering	6	69200	41600	53800	NA	48630	55000	56833
Computer Science	4	68000	30000	50500	NA	48630	55000	56833
Electrical	13	68000	50000	59512	56106	60500	55027	51760
Industrial	10	68000	21000	57538	55642	54273	52100	55000
Mechanical	26	96000	20000	56209	57787	55069	59017	56836
Nuclear	3	64200	50000	56067	59100	59021	57171	NA
ED, HEALTH & HUMAN SCI	21	44000	15000	32323	31662	28753	35142	38642
Hotel, Restaurant, & Tourism	8	42000	15600	30998	31280	19760	31160	NA
Retail & Consumer Sciences	4	42000	38850	40613	40000	35542	38936	38642
Sport Management	4	38000	15000	29500	29604	35000	26804	NA

Activities Calendar

Date	Time	Topic	Speaker	Location
Oct 13	6:00 PM	Webinar - , <i>Fukushima Daiichi - An Update on the Current Status, Lessons Learned, and Path Forward for the Global Nuclear Industry</i>	Dr. Mary Lou Dunzik-Gougar, Kenny Anderson, and Nathan Sanfilippo,	Calhoun's, Turkey Creek
Oct 16-21		2011 AIChE Annual Meeting		Minneapolis, MN
Nov 10-11		2011 Midwest Regional Conference		Chicago, IL
Nov 17	6:00 PM	The Natural Gas Midstream Industry	Richard Denney, Consultant	Calhoun's, Turkey Creek
Dec 8	6:00 PM	Financial Planning	David Moon	Calhoun's, Turkey Creek
Jan 19	6:00 PM	TBD	TBD	Calhoun's, Turkey Creek
Feb	6:00 PM	Joint Meeting with ANS	TBD	TBD
Mar 15	6:00 PM	Process Safety Analysis, PHA, HAZOP	Bill Bradshaw, ABS Consulting	Calhoun's, Turkey Creek
Apr 1-5		2012 AIChE Spring Meeting		Houston, TX
Apr	6:00 PM	Student Awards	TBD	TBD
May 17	6:00 PM	TBD	TBD	Calhoun's, Turkey Creek

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!



(Image courtesy of DOE Digital Photo Archive, <http://www.doedigitalarchive.doe.gov/enter.cfm>)

Officers

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Website			http://www.ornl.gov/aiche

"Excellence is not a skill. It is an attitude."

Ralph Marston

Professional football player,
Boston Bulldogs, 1929
Born 1907

Knoxville - Oak Ridge Section

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We're on the Web!

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About Our Organization... Benefits for Young Engineers

As a member of AIChE, you can take advantage of any or all of these exclusive career and personal financial benefits, designed to address your needs.

Career advancement and support: Students and Young Professional Members have access to AIChE's exclusive career and employment services, including **CareerToolsPLUS!** for broad career support services at every career stage, including job search support. Sign onto AIChE's "focused" job board, CareerEngineer. Leading industry and academic employers **post jobs** and **internships** on CareerEngineer looking exclusively for qualified ChemEs.

ChEnected™: Get what you need from AIChE's blog ChEnected: where Chemical Engineer mix it up! Career advice, technical news, videos on ChETube™, fun stuff, Dilbert and ...well, what else do you want ChEnected™ to be for you? Get **ChEnected™** now and follow it all, too, on Twitter, Facebook and LinkedIn.

LibertyGuard Tenants Insurance: Protect your property at home or anywhere in the world from theft, loss or damage, and protect yourself against costs incurred from yours or guest injury. AIChE discounts available with 24/7 policy claims support.

Liberty Mutual Auto Insurance: As a member of AIChE, you qualify for a special group discount* on your auto, home, and renters insurance through Group Savings Plus® from Liberty Mutual. With Group Savings Plus, you can enjoy the ease and convenience of paying your premiums through checking account deductions with no down payment or finance charges. You'll also enjoy fast, easy round-the-clock claims service and a variety of discounts including multi-car, multi-policy, safe-driver, passive restraints and anti-theft device discounts. For a free, no-obligation quote, call 1-800-524-9400 or request **a free quote online.**

Financial Advisory Services: Start building your savings,

even while you deal with student loans.

Save Money on Your Next Car with the Liberty Mutual Auto Buying Service: Liberty Mutual has recently partnered with Zag, an online consumer auto dealership matching service to provide AIChE members with pre-negotiated, no-haggle pricing that is below market value. AIChE members can visit the auto portal by **clicking here** to compare prices of new and used vehicles at local participating dealers, without having to set foot in a dealership.

(Source: <http://www.aiche.org/MemberCenter/FinancialBenefits/Graduates.aspx>)

