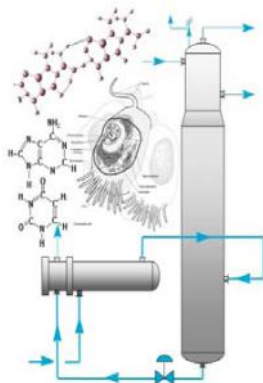


October Newsletter



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AIChE Chicago October Meeting

Practical Application of Adult Learning Theory to Operator Training

Dr. Robert Reardon

***Associate Professor of Adult Education,
Texas State University and
Principal Engineer, Primatech***



Location: Greek Islands

Date: Thursday, October 12, 2017

Address: [300 E 22nd St, Lombard, IL 60148](http://www.aiche.org/Chicago)

Cost:

AIChE Global and Local Section Member: \$40
AIChE Global Member: \$45 Non-Member: \$50
Students: \$10
Unemployed/Retired: \$15

Register Here:

<http://www.cvent.com/d/ztqk8q/4W>

Agenda

5:30—6:30	Registration and social hour with cash bar
6:30 - 7:30	Dinner
7:30 - 7:45	Announcements
7:45 - 8:45	Technical Presentation @ Q&A

Chair's Corner

This August, AIChE announced the recipients of AIChE's first 35 Under 35 award, and the Chicago section is very proud to have five of the awardees from our area – Betul Bilgin, Beth Carter, Ben Freireich, Ellen Kloppenborg, and Meagan Lewis! This award was created to acknowledge the achievements of the young professionals in AIChE.



Many of you might not know that Chicago actually has special history for young professionals in AIChE. AIChE's Young Professionals Advisory Board (YPAB) was launched at the Leadership Development Conference in 2002, which happened to be in Chicago! YPAB was formed to retain members under the age of 30 and bridge the gap between student members and professional members. Bette Lawler, AIChE's Director of Operations, stated in the February 2004 issue of CEP, "YPAB is critical to the future of the Institute...Young chemical engineers need a professional home."

A few years later in 2005, the Chicago local section founded their own local YPAB group. In 2006, the Chicago YPAB wrote in the Chicago newsletter, "We will have technical events that are geared toward educating young professionals, introducing them to the ideals and benefits of AIChE-Chicago, and social events where young professionals can have fun and interact....We believe YPAB-Chicago is the future of the Chicago Section...The YPAB will strive to build and maintain this strong community [of chemical engineers]."



Tom King, a founding member of AIChE Chicago's YPAB in 2005, was also the creator of the original AIChE YPAB logo as well as the Chicago Section logo. The YPAB officially transitioned from being an "advisory board" to a AIChE committee and changed to the Young Professionals Committee (YPC) in 2012.

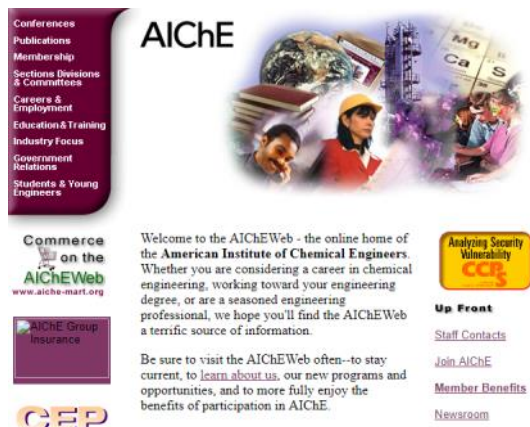


YPAB Logo 2004



YPC Logo 2014

More than 10 years later, the AIChE Chicago's YPC has grown and is still working towards the same ideals written in 2006. In fact, you can say that AIChE's YPC has succeeded in its mission since the launch of YPAB fifteen years ago. Young professionals are not just growing in membership, but also in leadership. Tom King, now current AIChE Chicago Past Chair, is AIChE Chicago's first Chair that was a former YPAB leader. Meagan Lewis, one of AIChE's 35 Under 35, is currently on the AIChE Board of Directors, and is the first Chicago YP on the Institute's board. Further proof of that leadership is here in the form of five young local faces on the cover of August's CEP!



AIChE Website in 2002

August 2017 CEP

AIChE's Young Professionals Committee has created a home for young chemical engineers to help transition them into the working world and make contributions to the chemical engineering community. Here in Chicago, we are proud to have played a part and continue to have an impact! Congratulations again to our AIChE 35 Under 35 awardees!

If you or your young colleagues are interested in getting involved in Chicago's YPC, please email the current Chicago YPC Chair Larry Avtvis, eleferios88@gmail.com.

Janet Werner

October Meeting

BIOGRAPHY

Dr. Reardon is a native of North Carolina and received a B.S. in Chemistry from UNC Chapel Hill and an M.S. in Chemical Engineering from North Carolina State University. He worked for Dupont from 1980 – 1989 and Amoco/BP/Solvay from 1989 until 2006. Most of his experience was as a Process Control Engineer but has worked as a Process Engineer, Project Engineer and Production Manager. At Amoco/BP he was involved in the implementation of ISO 9000, OSHA's PSM, EPA's RMP, OSHA's Voluntary Protection Program.

In 2004, Dr. Reardon was awarded a Ph.D. in Adult Education from UGA where his dissertation topic was "Blue-Collar Worker Response to Imposed Technological Change." Since 2006, he has worked as an Associate Professor of Adult Education at Texas State University in San Marcos. His research interests include Workplace Learning, Chemistry Education, and Models of Leadership.

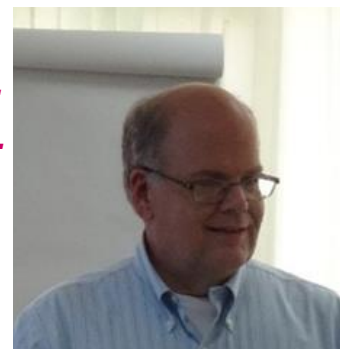
Since 2010, Dr. Reardon has worked as a Consultant and Instructor for Primatech, Inc. He teaches PHA Team Leadership, LOPA Team Leadership, PSM Program Development, PSM Program Auditing, Effective Procedure Writing, and SIL Verification.

Dr. Reardon has been a Member of the Chemical Committee of the National Council of Examiner for Engineering and Land Surveying (NCEES) since 1991. This committee is responsible for development of the P.E. examination that is administered in the US. In 2014, Dr. Reardon was recognized by the AIChE for his part in developing the Body of Knowledge for Chemical Engineers.

Registration and Information:

<http://www.event.com/d/ztqk8g/4W>

Practical Application of Adult Learning Theory to Operator Training



ABSTRACT

The training of operators in refineries, chemical plants, and other facilities associated with the chemical processing industry is key to company success. The designs of modern chemical facilities are complex with literally thousands of instruments, pumps, vessels, pipes, tubes, computers, networks and other components. Many facilities operate 24 hours a day with minimum staffing working alone or in pairs. Operators and technicians must learn to diagnose and respond to abnormal or perceived abnormal conditions. Training of operators is required by OSHA and EPA regulations and is an expectation of most quality programs.

The traditional model of classroom training is not sufficient to produce competent chemical plant operators. Alternative techniques include online instruction, simulators, apprenticeships, and mentoring. These techniques help develop operators but, as is true with most workplace learning, the majority of learning done by operators is informal. The operators share ideas and demonstrate techniques to each other. Shortcuts are shared. Operators find hazards and share them with their peers. Much of this learning is beneficial but even bad ideas are shared.

In this session, I will briefly discuss some adult learning theory, review some of the regulatory requirements and discuss some concepts of alternative training formats. For the majority of the presentation, I will present some ways to leverage informal learning to reinforce formal training and procedures. Training matrices will be discussed with an example.

The participants will participate in two brief exercises to demonstrate informal learning.

Volunteering Wanted on ACS's Chemistry Day

Save the date for Chemistry Day at Malcolm X College on **Saturday, October 21st**. The YPs will host a table introducing kids to chemical engineering. Event is held from 10:00 am to 3:00 pm. Welcome to help for the whole time or in any of three sessions: a morning shift (9:45 am for set-up to 11:30 am), noon shift (11:30 am to 1:15 pm) and an afternoon shift (1:15 pm to 3:00 pm). Look out for a detailed email coming next week. If interested in learning more about this event, please don't hesitate to contact us at yp.aichechicago@gmail.com.

The YPs had a successful September social on Monday, September 25th at Hofbräuhaus Chicago, located in Rosemont. Attendance was at eleven YPs. There were a few new faces, a few students, a few recent graduates, and a few regulars. All-in-all a good mix of young professionals. What with their Monday special of \$5 per 1/2 liter of beer, no one remembered to take pictures, and thank goodness for that cause we were having too much fun. We're looking forward to seeing everyone at our next social event.

We're planning an Oktoberfest social at the Bavarian Lodge in Lisle, just off of Ogden Ave and accessible by Metra. The social is scheduled for Thursday afternoon on October 19th, the week following the AIChE-Chicago monthly meeting. Keep a look out for our email notification coming next week. Thank you everyone for participating and maintaining our vibrant networking community.

Best regards,
Eleftherios (Larry)
AIChE-Chicago YP Chair

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. Completed nominations are due to the committee chair no later than April 1, 2018

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.

Jim Simnick

BP Amoco Complex, J-8

150 W. Warrenville Road, Naperville, IL 60566

Ph 630-420-5936, fax 630-420-4832

email: james.simnick@bp.com

Connect with members & participate in discussions on Engage!

Check out AIChE's newest member benefit, AIChE Engage. Use the robust directory search to find and connect with members. Participate in technical, career, and academic discussions about chemical engineering.

Why Renew Your AIChE Membership?

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- Subscription to AIChE's flagship publication: CEP*
- Education—Access to e-learning courses and instructor-led training, offering Continuing Educations Units and PDHs
- Access to CareerEngineer—a comprehensive job site tailored to chemical engineers
- Access to the AIChE eLibrary—a wealth of information from Knovel Life Sciences and the McGraw-Hill AccessEngineering Library collections

[View COMPLETE benefits](#)

AIChE Chicago has a new look!

We are pleased to reveal our newly website for AIChE Chicago. Feel free to Take a Peek.

We hope you will visit the new website at our new address, www.aiche.org/Chicago and while you are there, let us know what you think! We know there is still work to do, and in the coming months, we hope to continue improving the site so that it best serves how we communicate with you.



Thank you for being part of AIChE Chicago!

www.aiche.org/Chicago

AIChE Chicago is now on Facebook and LinkedIn!



Like us on Facebook www.facebook.com/AIChEChicagoSection



[Join our group on LinkedIn!](#)

“CALL FOR CONTRIBUTIONS”



2018 AIChE Midwest Regional Conference

Chicago, IL – *March 13-14, 2018*

Hosted by Illinois Institute of Technology

Organized by Chicago Local Section of AIChE

<https://tinyurl.com/Submit2MRC2018>

The submission deadline is ***December 1, 2017.***

Review decisions are scheduled for release on December 15, 2017.

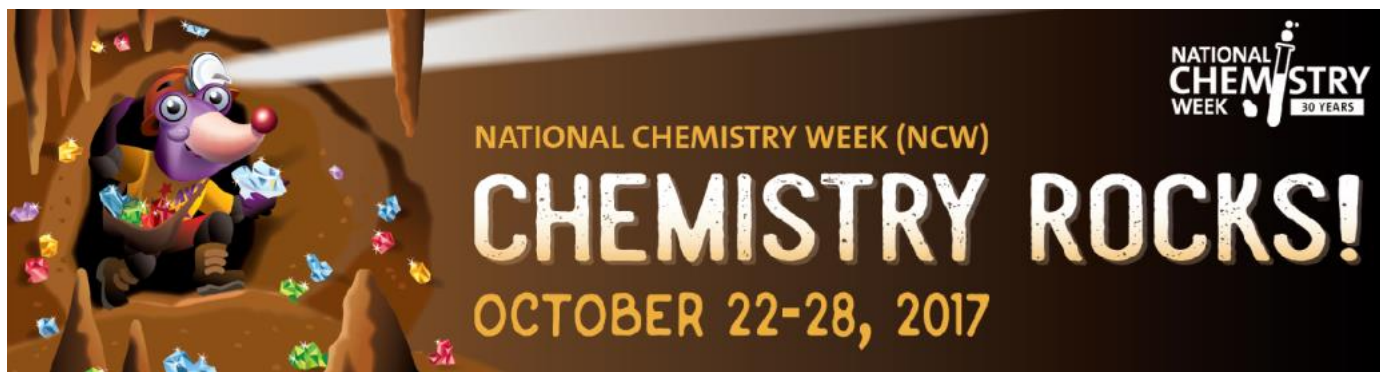
The call for poster contributions will open December 20, 2017.

For additional MRC information please visit

<https://www.aiche.org/community/sites/local-sections/chicago/mrc10-2018>

For submission questions Contact the Programming Chair at

chmielewski@iit.edu.



Saturday, October 21, 2017 — 10:00 am to 3:00 pm

Malcom X College, One of the City Colleges of Chicago
1900 W. Jackson, Chicago, IL 60612

**Free Admission
All ages welcome**

Demonstrations, Experiments, Exhibits, Tours and Presentations

For poetry Contest

<http://chicagoacs.org/content.php?>

Rules and Entry Form

[page=Chicago_Section_Community_Activities](http://chicagoacs.org/content.php?page=Chicago_Section_Community_Activities)

Email

chicagoacs@ameritech.net Deadline: **22 October 2017**

Location and How to Get There

Public Transportation

The closest CTA station is the Illinois Medical Center, Blue line

Driving

Damen Ave exit North from the Eisenhower (I-290) Expressway

Parking

Free Parking available in the main garage off Jackson (East of Damen)



CITY COLLEGES of CHICAGO

Malcolm X

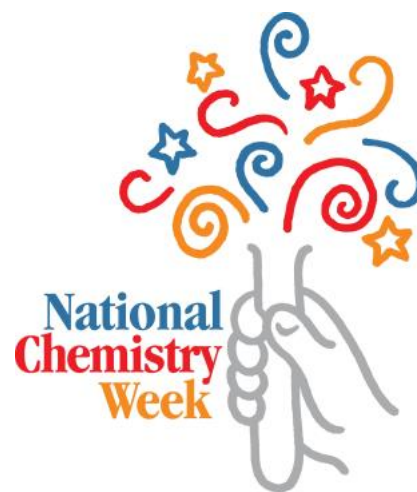
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**AIR & WASTE MANAGEMENT
ASSOCIATION**
Lake Michigan States Section

2017 Air Quality Management Conference

Tuesday, October 17, 2017
Drury Lane Conference Center
100 Drury Lane, Oakbrook Terrace, Illinois 60181

The Air & Waste Management Association Lake Michigan States Section is pleased to once again offer the Midwest's most comprehensive annual program on air quality management issues. The LMSS's Air Quality Management conference has become a tradition in the region – bringing together environmental professionals from the industry, government, environmental services, legal and NGO communities to learn about the key current issues and most important developments in this rapidly-evolving field.

With the execution of numerous Executive Orders over the last six months, the Trump administration unquestionably has changed the face of air quality and climate change regulation in the United States. As a consequence, the relationship between federal and state environmental agencies is likely to change. Such sweeping change creates regulatory uncertainty, and companies must find ways of addressing that lack of certainty when running their businesses. In addition, third party citizen enforcement may increase to fill perceived enforcement gaps. In spite of this uncertainty, entities still must comply with existing regulations. Clearly, it is critical for all environmental professionals to stay abreast of these rapidly-occurring changes and understand how the changes can affect their organizations and/or their clients.

Please join us on Tuesday, October 17, 2017 at our Annual Air Quality Management Conference being held at the Drury Lane Conference Center in Oakbrook Terrace. Companies that supply products and services for environmental management will have exhibits on display at the conference. Sponsorship opportunities also are available. For information on exhibiting or sponsorship, please contact Robin Pelsis at (847) 202-0418 or robin.pelsis@lmawma.org.

**Check out our website at: www.LMAWMA.org
for updates to this conference**

Upcoming AIChE Conferences, Meetings and Webinars

Chicago Local Meeting

October 12, 2017	Robert Reardon – PrimaTech / Texas State , Oak Brook, IL
November 9, 2017	Jaehoon You—University of Texas, Arlington, Fermilab IL
March 13-14, 2018	Midwest Regional Conference, IIT, Chicago

AIChE Conferences

October 27– 30, 2017	2017 Annual AIChE Student Conference
October 29— November 3, 2017	2017 AIChE Annual Meeting, Minneapolis, MN
April 22-26, 2018	2018 Spring Meeting & 14th Global Congress on Process Safety, Orlando FL
April 22-26, 2018	8th World Congress on Particle Technology, Orlando FL
October 28— November 2, 2018	2018 AIChE Annual Meeting, Pittsburg, PA
March 31—April 4, 2019	2019 Spring Meeting & 15th Global Congress on Process Safety, New Orleans
November 10-15, 2019	2019 AIChE Annual Meeting, Orlando, FL

Officers and Contact Information

Chair	Janet Werner
Chair Elect	Mike Schultz
Chair Programming	Beth Carter
	Robert Tsai
Secretary	Nick Guzman
Treasurer	Joe Guido,
Directors at Large	Adam Kanyuh
	Dennis O'Brien
	Ellen Kloppenborg
House Committee	Arwa Hasan
	Asmara Soomro
Newsletter Editors	Azita Ahmadzadeh azita.ad@gmail.com
	Janet Werner Janet.werner8@gmail.com

AICHE CHICAGO SECTION

American Institute of Chemical Engineers
Chicago Section
13964 Doral Lane
Homer Glen, IL 60491
aichechicago@gmail.com



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.

aichechicago@gmail.com

<http://www.aiche.org/community/sites/local-sections/chicago/announcements/volunteerism>

Submitting Articles to AIChE Columns

We welcome email submissions for our monthly newsletter. Commercial announcements are subject to the fee schedule below. News stories, editorials, technical or career related non-commercial contributions are always welcome with no charge. We consider job postings, announcements of for-fee training courses, expositions, conferences as commercial. Categorization of announcements is at the sole discretion of the Chicago AIChE Board of Directors. Chicago AIChE may publicize activities of interest to our members by cooperating professional societies and other non-profits without charge.

Please submit your material to aichechicago@gmail.com with "newsletter article" as a subject line.

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 aichechicago@gmail.com					

For the purchase of a year ad, customers have the option of changing ads/jobs month to month. Online payment can be done using <http://www.cvent.com/d/9cq5pw/4W>

Student and AIChE Member Related Postings are Free.

