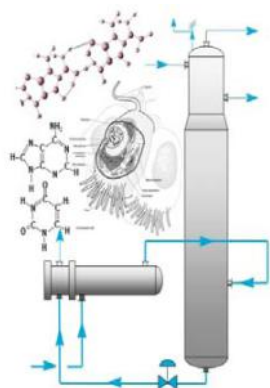


May Newsletter

Chicago Section

www.aiche.org/Chicago

May 2015



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AIChE Chicago May Meeting

Opportunities for Improved Efficiency in Spark Ignited Engines

Jim Szybist

Oak Ridge National Laboratory



Location: **RAM Restaurant & Brewery**

Date: **Tuesday, May 12, 2015**

Address: **1901 McConnor Parkway, Schaumburg, IL**

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/crq218>

Agenda

5:00—6:00	RAM Brewery Tours, starting every 15 min
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

Chair's Corner

Last but not least

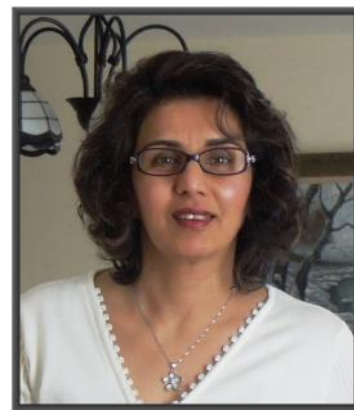
As my term as the chair of the Chicago section is ending, I would like to look back at the previous year and provide a report of the section activities and performances. As many of you know, putting these events together and participating in the outreach activities take a lot of dedication and effort from our wonderful volunteers. So first, I would like to thank all the people involved in all aspects of the section.

Let me start with the 2015 Midwest Regional Conference (MRC). Probably the most involved case is this two-day conference, which involves more than hundred people and thousands of man-hours to put together. We had close to 240 attendees with over 20 sessions, 8 keynote and plenary talks and a poster session. The plenary talks were new this year and were all well received. The high school outreach program was also well attended, although we had some last minute cancellations, which unfortunately could not be replaced with the schools on the waiting list. With carefully studying last year financials, we avoided being in red for the conference which was a big relief to all of us. This means we can continue the Midwest Regional Conference for the next years, and I am pleased to let you know that the planning for next year's conference has already been started and the dates are tentatively chosen for early March 2016. We will try to implement as many suggestions as possible that we collected through the surveys for next year. If you want to help in any area, please let us know.

The other main events that we had were our monthly meetings. Each year there are 8 meetings that consist of a technical talk, dinner and social hour. So far, we had 7 meetings and our last annual meeting will be on May 12, and the next year's officers will also be elected. The average attendance for the 2014-15 fiscal year (so far) is 44 whereas for the same period in 2013-14 it was 56. The popular events are tours of different facilities and our joint meeting with ACS normally draw more people. We also know that encouragements from professors help with student attendance, which was lower this year.

Young professionals' activities covered several outreach programs including "Chemistry Day", "Young Professionals Panel for UIC/IIT Chapters", "DuPage E-Week Expo" and "STEM Career Fair at Fermilab". These are very important part of our section and our YPs did a great job to connect with K-12 and college students. Another part of YP events includes several social gatherings such as "Happy Hour", "Wine Tasting", "December Social" and the very popular "Whirlyball". The YPs also had planned and executed several soft skill sessions at 2015 MRC this year to help with job seekers and new hires.

Early last year, we relocated our website and moved it under AIChE global to take advantage of some of their features. All the documents from the old website are now available on the new website.



The events and newsletters are updated on a regular basis but as was suggested by many members, we should try marking the meeting dates on the calendar many months in advance. Some other features added are the possibility to update your contact information and sign up to receive the emails without being a section member. The monthly newsletters were published on a regular basis with information about our events as well as AIChE global webinars and other relevant information to our members.

Once again, it has been my privilege to work with all of the volunteers who made my

year as the section chair a great experience. And, I thank each of you for participating in AIChE Chicago meetings and events.

Last but not least; please be sure to vote in this month's meeting or request and absentee ballot from our secretary. We have an impressive slate for next year's officers. Have a good summer and we will see you again in the fall.

Azita Ahmadzadeh

AIChE Chicago Chair person
UOP, A Honeywell Company

May Meeting

Opportunities for Improved Efficiency in Spark Ignited Engines

Abstract:

While spark-ignited (SI) engines have been in existence for well over 100 years, there remain numerous opportunities for efficiency improvements due to an improved understanding of the thermodynamics and improvements in engine control technologies. This presentation identifies a number of the practical barriers that limit the thermodynamic efficiency of SI engines, and presents an overview of the research at Oak Ridge National Laboratory's (ORNL's) Fuels Engines and Emissions Research Center (FEERC) that aims to overcome these barriers. The first topic that will be addressed focuses on the enabling impact of fuel properties and chemistry. Next is the ability of a highly dilute SI combustion strategy to improve thermodynamic efficiency. Finally, the role that various

fuel reforming strategies can have on extending the dilute combustion limits is discussed. The potential benefits as well as the remaining barriers are discussed for each of these approaches.

Biography:

Jim Szybist is a Senior Research Engineer at Oak Ridge National Laboratory's Fuels, Engines, and Emissions Research Center. He received a B.S. in Chemical Engineering in 2000 and a Ph.D. in Fuel Science in 2005 from Penn State University. He joined Oak Ridge National Laboratory as a staff member in 2007 and has been active in researching fuel effects on engine efficiency and emissions for both gasoline and diesel engine platforms.



To Register: <http://www.cvent.com/d/crq218>

Fermilab STEM Expo Volunteering Summary

On Wednesday, April 22, 2015 four professionals (Fernando Franco, Luis Bougrat, Liam O'rourke, and Janet Werner) volunteered to represent AIChE Chicago at the Fermilab STEM Career Expo.

Fermilab's STEM Career Expo is an expo for Kane County and DuPage County high school students to highlight different career options in science, technology, engineering and mathematics. Over 750 students and parents were in attendance.

Our volunteers explained what chemical engineering is, where chemical engineers work, and how to become a chemical engineer.



YPC Social Upcoming

YPC is planning a social towards the end of May. Please keep an eye out for an update on our mailing list!

Questions about YPC? Email us!

yp.aichechicago@gmail.com

New Books

AIChE has publishing partnerships with John Wiley & Sons for books and some books and periodicals. You will be redirected to the appropriate website when purchasing AIChE products sold by these partners.

<http://www.aiche.org/resources/publications/books>

New Books

[Energy Management and Efficiency for the Process Industries](#)

April, 2015



Editors Alan P. Rossiter and Beth P. Jones have gathered material that lays out the underlying management and technical issues that drive successful industrial energy management program. With a foreword by the Hon. Charles D. McConnell, former assistant secretary of the U.S. Department of Energy, the book provides a clear understanding of both scope of the opportunity and the available methodologies for capturing energy savings

2015-2016 Elected Officers

Chair– Adam Kanyuh

Adam Kanyuh is a Technology Specialist within UOP's Engineering Department providing technical support for UOP's Olefins, Detergents and Alkylation technologies. He has spent his entire 20 year career with UOP / Honeywell serving in various technical roles in the Engineering, Technical Services, Manufacturing, and Research and Development departments within the UOP organization. Adam currently resides in Streamwood, Illinois with his wife Allison and their two sons. He holds a Bachelor of Science Degree in Chemical Engineering from University of Illinois at Chicago. He is Six Sigma Green Belt Certified and holds 3 patents. He was the 2013 Midwest Regional Conference General Arrangements Chair and Chair Elect for 2014-2015 fiscal year.

Past Chair - Azita Ahmadzadeh

Azita Ahmadzadeh is a Analytical Specialist within UOP's Engineering Department providing CFD modeling support for different technology and processes. She was involved in AIChE national as session chair at national meetings. She was the 2015 MRC conference chair and MPC of the 2013 PDS. Azita has been very active in the local section as newsletter editor for many years and also as the fundraising committee chair for the Midwest Regional Conference. She is the 2010 recipient of the AIChE Local Section Committee's Shining Star Award for outstanding volunteerism.

Director at Large - Steven Wozniak (continuing)

Steven Wozniak is a Project Manager in Hydrogen Technologies, Gas Processing & Hydrogen with UOP. Prior to that Steven was a Consultant with Jacobs Consultancy, a Senior Process Engineering Lead with Jacobs Engineering in Houston where he lead a team of process engineers in the design and integration of various process units into refineries. He has over 10 years experience and design expertise in ULSD hydrotreaters. Steven served as the Secretary in 2012 and House Chair in 1998 for AIChE Chicago. He holds a B.S. in Chemical Engineering from the University of Illinois Champaign Urbana and earned a M.S. in Chemical Engineering in a joint degree between the National University of Singapore and the University of Illinois Champaign Urbana.

Director at Large - Dan Rusinak (continuing)

Daniel Rusinak, PE has over 37 years of professional engineering experience in development, design, construction and operations of specialty, polymer, and fine chemical plants. Dan has served the AIChE Chicago Section as Vice-Chair Program 2011-2012 and 2013-2014. He was also the House Committee Chair for two years.

Proposed Slate for 2015-2016

Chair Elect - Tom King

Tom is currently employed with UOP in Des Plaines, IL as Olefins Technology Manager and has been with UOP for eight years primarily in the Engineering Department. Tom has served the AIChE Chicago Section in the past as Secretary, Young Professionals Chair, Webmaster/Publicity, and on the MRC Committee. On an AIChE National Level, he was Young Professionals Chair from 2008-09 and vice chair the year prior. Within UOP, he has been a member of the Engineering TCO Steering Team since 2012. Tom has BS degrees in Chemical Engineering, Molecular Biology and Biochemistry from the University of Wisconsin – Madison and MS degrees in Chemical Engineering and Bioengineering from the University of Illinois at Chicago. He is a licensed Professional Engineer in the State of Illinois. Tom resides with his wife, two sons, and dog in Villa Park, IL.

Treasurer - Patrick Shannon

I am currently employed as a Senior Staff Engineer at Middough, Inc. and I have held process engineering positions at several engineering companies in the Chicago area as well as in Houston. I have proudly served the Chicago Section as Chair, Past-Chair and House Committee Chair. And I have been a New Officer Training leader. I have also been Program Chair and Session Chair for the Midwest Regional Meeting. It is an honor to fill any AIChE local section elected position, and I expect to serve with honesty and enthusiasm. I will do my best to fulfill all Chicago Section Treasurer requirements.

Director at Large—Ellen Kloppenborg

Ellen Kloppenborg is a Development Specialist in the Olefins & Detergents Development group at UOP. She received a BS in Chemical Engineering from IIT and is a registered PE in Illinois. Ellen has worked on many student outreach events with the AIChE Chicago Section and coordinated the high school outreach program at the Midwest Regional Conference in 2015. She received the AIChE Shining Star award in 2010 for student outreach efforts.

Co-Vice Chair Meeting Program: Jesse Calderon

Jesse Calderon is a consulting process safety engineer at BakerRisk in Chicago, IL where he has gained experience in consequence modeling and risk analysis. He earned his B.S.Ch.E from the University of Iowa and is a co-vice chair of programming for AIChE Chicago's local section. He has prior experience in the petroleum refining industry and focused on energy and environmental studies at the University of Iowa.

Proposed Slate for 2015-2016

Co-Vice Chair Meeting Program: Mike Toraason

Michael Toraason is currently a Project Consultant at Baker Engineering and Risk Consults, or BakerRisk. He has held positions in both Houston and Chicago for BakerRisk. Michael primarily focuses in Risk Assessments for the petrochemical industry with a focus in Consequence analysis, Quantitative Risk Assessments, and HF Alkylation QRA's. He also has experience on the Qualitative side of risk as well. Michael has been a member of the AIChE Chicago section for the past two years, and is serving as the Co-Vice Chair Program with Jesse Calderon, which is his first position held with AIChE Chicago. He is looking forward to a higher level of involvement with the AIChE Chicago section currently and in the future.

Secretary: Jarad Champion

Jarad Champion is a licensed chemical engineer at Geosyntec Consultants with nine years of experience working on hazardous waste cleanup and water resources projects. He has a BS in chemical engineering from University of Illinois at Urbana-Champaign and a MS in environmental engineering from Northwestern University. Mr. Champion has worked on treatment systems and regulatory compliance for remediating groundwater impacted by chemical releases sites across the nation. He has also prepared the preliminary design for a drinking water treatment system using multiple advanced technologies. Mr. Champion is currently serving as the Secretary for the AIChE Chicago Section.

AIChE Online Courses

AIChE Academy brings a full array of education and training resources to chemical engineers and the companies they work for. You'll find courses, webinars, conference presentations and more from AIChE, CCPS, SBE, IfS, and ISWS. You can search by topic, availability of CEUs and PDHs, delivery method, skill level—even location. Start learning today.

<http://www.aiche.org/academy>

Biotechnology for Chemical Engineers

Learn the fundamentals of biotechnology with this course designed for chemical engineers working in design, operations, or other support functions.

Project Evaluation: Operating Cost Estimating Combo Course

This AIChE course is a combination of Conceptual Development & Capital Cost Estimating (CH139) and Project Evaluation: Operating Cost Estimating and Financial Analysis (CH140).

Process Safety Management Overview

The online course covers the US OSHA PSM 14 regulatory requirements as well as the Center for Chemical Process Safety (CCPS) 20 element approach to process safety.

Congratulations to 2015 McCormack Award Winners

Each year, the McCormack award is given to one chemical engineering undergraduate student at Northwestern University, University of Illinois, and Illinois Institute of Technology based on a combination of excellence in study, research, and extra-curricular activities. This year's winners are:

Recipient: Redmond "Red" Lhota

University: Northwestern University

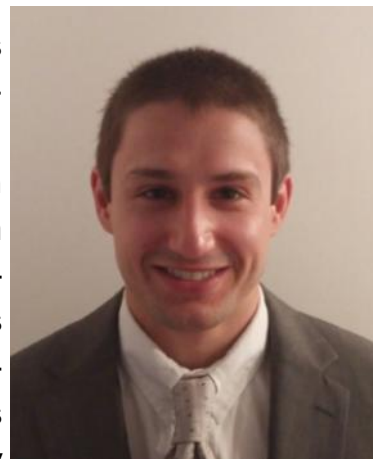
Redmond "Red" Lhota is a Chemical Engineering senior from Beverly Hills, Michigan, and will be attending graduate school in the fall, hoping to study polymer rheology. Red is an undergraduate researcher in Professor Wesley Burghardt's lab doing a project on optical rheology of polystyrene in solution. In his time at Northwestern, Red has also been involved with Rainbow Alliance, Northwestern's largest LGBTQ and ally organization, as the first openly genderqueer president, and with Dead City Productions, a gaming group on campus, as a event-organizer. Red was recently awarded a **National Science Foundation Graduate Research Fellowship**, one of the nation's top honors for graduate study.



Recipient: Vincent Errichiello

University: University of Illinois Chicago

The Department of Chemical Engineering at UIC proudly announces Vincent Errichiello as our selection for the Harry McCormack Outstanding Senior Award. Vince will be graduating this upcoming May, carrying a major GPA of 3.86. In addition to academics, he has been successful as a Division I athlete representing UIC's Men's Swim Team all four years of his undergraduate studies. Achieving a pool-record breaking 1st place finish at the Horizon League Championships and being part of the Winter Academic All-League team two years running are just two of his athletic triumphs. Vince currently volunteers his time to both the UIC and Horizon League Student-Athlete Advisory Committees. This past summer Vince worked as a Project Engineer Intern for J.T. Thorpe & Son, Inc. and is actively pursuing full-time employment as a process engineer upon graduation.



Congratulations to 2015 McCormack Award Winners

Recipient: *Jaya Parulekar*

University: Illinois Institute of Technology

The Department of Chemical and Biological Engineering at IIT proudly announces Jaya Parulekar as the 2015 recipient of the Harry McCormack Outstanding Senior Award. In addition to stellar academic performance she has demonstrated a dedication to the profession through extra-curricular involvement and undergraduate research.

Ms. Parulekar served as outreach coordinator for the AIChE student chapter, volunteer coordinator for the 2013 MRC, president of EWB-IIT and several chair positions within Kappa Phi Delta Sorority. Parulekar also participated in undergraduate research, focusing on Atomic Layer Deposition, with Professor Takoudis (UIC), from which an archival journal publication has resulted.



Congratulations to AIChE Process Development Practice Award Winner

Longtime active F&PD member (past Area 16 programming chair and past Director), Bipin Vora to receive Process Development Practice Award. Bipin is a retired UOP Fellow and is also AIChE Fellow. He has been credited to development of several UOP processes and holds 94 US patents. The award will be presented at the Process Development Division Dinner on Tuesday, April 28, 2015 at AIChE meeting, Austin, TX



2015 Poster Session Competition Winners

Sixteen posters were presented by individuals and teams from UIC and Illinois Institute of Technology at the poster competition held at the April 14 local section meeting.

Undergraduate

1st Place – “Decrypting the Tau Phosphorylation “:Code” of Alzheimer’s Diseases”

Author: Matthew Amroffell, Northwestern University,

Abstract: The Tau protein functions as a microtubule stabilizer in neurons. However, when Tau becomes hyper-phosphorylated, neuronal axons degrade due to microtubule destabilization and neurofibrillary tangle formation. These biomarkers are commonly observed and associated with Alzheimer’s disease. However, the mechanistic understanding of the phosphorylation “code” behind this process remains unclear. We hypothesize that combinatorial effects of multiple phosphorylation drive the severity of the disease state. My work seeks to produce site-specific phosphorylated Tau at seven disease-associated sites, singly and combinatorially. I will use a phosphoprotein production platform developed in the Jewett lab that employs three primary innovations: (1) An engineered orthogonal translation system (OTS) capable of incorporating a phosphoserine residue at genetically encoded sites, (2) genomically reengineered *E. coli* strains that support Amber codon suppression by the engineered translation apparatus, and (3) a cell-free protein synthesis (CFPS) platform for expression of human phosphoproteins. The combination of these technologies enables the expansion of the genetic code to enable site-specific incorporation of phosphoserine into proteins. I have generated a human-Tau construct optimized for expression in *E. coli*, as well as variants with amber codons for phosphoserine incorporation. Phospho-Tau variants will be evaluated in microtubule stability and

neurofibrillary plaque formation assays. These experiments will provide a foundation for elucidating how the quantity, density, and distribution of serine phosphorylation contribute to Tau-based pathology.



2nd Place – “Hybrid Renewable Energy and Combined Cycle Natural Gas Processing Plant”

Authors: Adam Lewis, Andrew Lui, Louis Schwartz, Ryan Neris, Jessica Shoukry, UIC

Abstract: Motivated by advancing technologies in hydraulic fracturing, shale gas production has become one of the leading sources of natural gas in the United States. Due to this tremendous increase in natural gas availability, questions surrounding its application have come to the forefront of the energy debate and to the attention of natural gas processing engineers. Within a landscape of many opportunities, this Senior Design project set out to discover solutions that are economically attractive, as well as environmentally sustainable and rooted in technological innovation. This project determined that a combined natural gas and renewable energy electric power facility was the best option to meet these needs.

Hybrid Renewable Energy and Combined Cycle Natural Gas Processing Plant Design considering natural gas is a clean-burning fuel, conversion to electric power via combined cycle units (both gas and steam turbines) allows natural gas processing with minimal negative environmental impact and provides a 60% energy-efficient return. In addition, the plant supplements its energy output through the use of wind turbines that take advantage of the high average wind speeds in the Bakken region, where the plant is located. By storing gas during periods of low demand, this hybrid energy plant is able to meet the range of consumer needs both during peak times and stretches of low wind-energy production. The goal of this project is to present a model for other gas processing facilities around the world to efficiently, responsibly, and safely improve power generation for surrounding communities.



fide catalysts. Industrially, metal sulfides have many uses in hydrotreating and homologation reactions but have been studied minimally for carbonylation. Here, we screened sulfide catalysts including MoS₂ and promoted variants, ZrS₂, CoS₂, PtS₂, PdS, and Cu₂S for carbonylation activity and performance in batch reactions. Compared to alcohol carbonylation which gives a wide range of products, ethylene carbonylation in water over sulfide catalysts is very clean, in most cases giving only propionic acid and its anhydride, ethanol, and propanaldehyde. Noble metal sulfides are very active towards propanaldehyde, while the MoS₂ catalysts are relatively selective to propionic acid. In addition to reporting basic catalyst performance metrics, reactivity will be correlated with specific surface area, catalyst reducibility, and other properties.



Graduate

Winner: “Bulk Transition Metal Sulfide Catalysts for Ethylene Carbonylation”,

Author: Rachel Watson, Northwestern University

Abstract: Ethylene carbonylation is an important technology in the synthesis of larger chemical intermediates. In this work, we discuss a promoter-free ethylene carbonylation route to propionates over transition metal sul-

Congratulations to Janet Werner, 2015 AIChE Shining Star Award Winner

Janet Werner (nee Chu) has been a quiet and effective leader for AIChE for the past decade. Everywhere she has touched in her over 10 years of membership, she has shown an unwavering commitment to the Institute and has been willing to step up with her considerable leadership skills.

Her list of leadership positions is impressive, as she has been involved on the University level, the Local Section, and has been instrumental in helping to build the Young Professionals Committee both in Chicago and on a National level. Below is a list of her positions:

- AIChE University of Illinois at Urbana-Champaign Student Chapter: Secretary, President
- AIChE Chicago Young Professional Advisory Board (YPAB)/Young Professionals Committee (YPC): Webmaster (2010), Programming Committee (2011-present)
- AIChE Chicago Local Section: Webmaster, 2010 and 2014
- AIChE Chicago Local Section: Publicity Officer (2014)
- AIChE Chicago Local Section - Midwest Regional Conference Hospitality Subcommittee (2010-2014), Public Relations Director
- AIChE Young Professionals Committee – New Young Professional Group Rep (2012-2013)

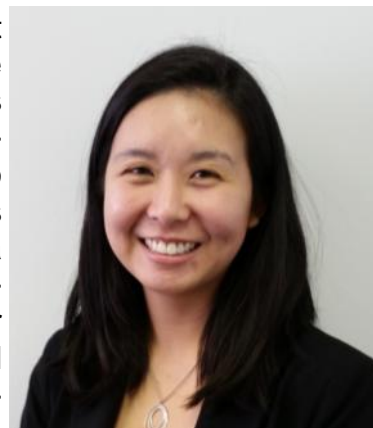
In recent years, the Chicago local section has entrusted Janet with a wide range of responsibilities – and with good reason. She is able to outstandingly complete each task with an almost effortless grace while keeping her enthusiasm high.

One of the many areas where she has shined

in particular in recent years is with the Young Professionals Committee, especially in the Chicago section. She has specialized in being a rock of our Programming committee. Her tenure of several years in this committee has seen a growth of events, organization, growth, and emergence of new leaders in the YPC.

Furthermore, she is counted on to set an example to others in the Chicago YPC. She has been requested to mentor new members to the group – knowing her example, enthusiasm, knowledge of AIChE and how to get things done will be transmitted to newer members. She was given this task with the full confidence that she would know what to be done.

Janet has never sought the spotlight. She is always there – with a joke, with guidance, with wisdom – and willing to help out. Her long history with Local Section, UIUC, and the Young Professionals Committee more than deserve to be highlighted at the national level. Being a recipient of the Shining Star Award would highlight her strong leadership, her influence on others, and, more importantly, it would give her a stage to share what has made her a Shining Star in the Institute everywhere she has been. The meeting would be a significantly better place with Janet there and the Chicago Section highly recommends her for the Shining Star Award.



Why Renew Your AIChE Membership?

Renew your membership now to keep learning and growing.

Renew Membership



Stay Connected to 40,000+ international members who take advantage of:

- 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

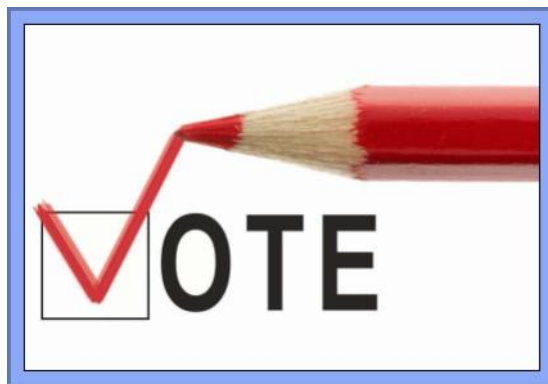


[Join our group on LinkedIn!](#)

Election of Section Officers

ABSENTEE BALLOTS

At the May meeting, AIChE-Chicago will be holding the annual election of local section officers. The proposed slate of officers for fiscal year July 1, 2015—June 30, 2016 is included in this newsletter. The slate will be voted upon at the May meeting. At the meeting, there will be one last call for nominations before the vote begins. Absentee ballots will be counted before the meeting. If no other nominations are received, a voice vote will be called for the proposed slate. If additional nominations are received, a vote will be called for each individual position.



Members may send in an absentee ballot to aichechicago@gmail.com

AIChE Virtual Career Fair

Looking for a Job? Register for AIChE's Online Career Fair

Spring 2015 Virtual Career Fair

May 13, 2015

12:00-4:00 EST

Special Student hour: 3:00-4:00 EST

For more information and registration, visit [AIChE's Virtual Career Fair Website](#).



Upcoming AIChE Conferences, Meetings and Webinars

May

6-May	Optimizing LOPA
12-May	AIChE Chicago May Meeting— Jim Szybit: Spark ignited engine efficiencies
13-May	Spring 2015 Virtual Career Fair
13-May	Process Spray Applications and Spray Science
20-May	Energy, Entropy, Concepts, and Balances

June

2-Jun	2015 Process Development Symposium
3-Jun	Status of Waste Processing and Conversion Technologies in the U.S.
10-Jun	2015 Synthetic Biology: Engineering, Evolution & Design (SEED)
25-Jun	Mixer Simulations, Modeling Non-Ideal Reactors and Mixers
28-Jun	12th International Conference on Gas-Liquid & Gas-Liquid-Solid Reactor Engineering (GLS12)

July

4-Jul	The Lifecycle Keeps Turning - Upcoming Changes to IEC 61511
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March 2016

3-4 March	8th Midwest Regional Conference, IIT, Chicago
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Officers and Contact Information

Chair	Azita Ahmadzadeh Azita.ad@gmail.com
Chair Elect	Adam Kanyuh Adam.kanyuh@honeywell.com
Chair Programming	Mike Toraason mtoraason@bakerrisk.com
	Jesse Calderon jcalderon@bakerrisk.com
Secretary	Jarad Champion Jarad.champion@gmail.com
Treasurer	Pat Shannon shannonph@middough.com
Newsletter Editors	Azita Ahmadzadeh azita.ad@gmail.com
	Janet Werner Janet.werner@sensient.com

Directors at Large

Dan Rusinak	
Steve Wozniak	Steve.wozniak@honeywell.com
Jenn Guilfoyle	Jennifer.guilfoyle@honeywell.com

AICHE CHICAGO SECTION

American Institute of Chemical Engineers

Chicago Section

13964 Doral Lane

Homer Glen, IL 60491

aichechicago@gmail.com

We are on the web
www.aiche.org/Chicago

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.

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.

