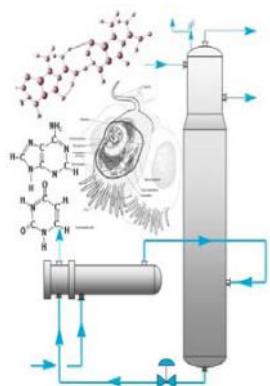


# October Newsletter



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## AIChE Chicago October Meeting

**Revamp Engineering —  
Where All the Fun Is**

**Rich Johnson**

**Fellow, FCC Engineering,  
Honeywell UOP**



**Location:** **Granite City Food & Brewery**

**Date:** Thursday, October 25, 2018

**Address:** 801 Plaza Dr. Schaumburg, IL 60173

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

**Register Here:**

<http://www.cvent.com/d/8bqwtg>

### Agenda

5:00 - 6:30	Registration and Social Hour with Cash Bar
5:30 - 6:00	Brewery Tour, every 15 min (optional)
6:30 - 7:30	Dinner
7:30 - 7:45	Announcements
7:45 - 8:45	Technical Presentation

## Chair's Corner



I am excited to be serving the role of AIChE Chicago Chair (and writing my first Chair's Corner) and would like to begin by acknowledging Mike Schultz for his contributions to the local section and wishing him well in his current pursuits. I have admittedly had to learn on the fly during this transition but am excited for the opportunity and fortunately have a great officer board to work with. Janet Werner did a fantastic job chairing the section last year (thanks Janet!) and has furthermore been readily available to offer guidance to me. To backfill the Chair-Elect role that I vacated, the Board of Directors has appointed Jarad Champion to serve as Chair-Elect Protem. Jarad is also presently helping as part of House Committee so we are appreciative of his commitment.

It occurred to me that chemical engineers wear many hats (or "masks," in the spirit of Halloween coming up soon) – working in fields from biotechnology to oil and energy, and on processes ranging from massive distillation units down to nanoscale applications. Our work has a major positive impact on the world, and I think chemical engineering is a profession to be proud of whatever your particular function may be. The leadership team at AIChE Chicago works very hard in arranging the locations and content for our monthly meetings to reflect our diverse discipline and appeal (hopefully at least once) to everyone in the Chicagoland community, so I urge you to come join us – especially if you are new in the area or have never attended before. The meetings offer an excellent chance to network with colleagues, and you may be surprised at what you learn from the featured lectures as even topics that seem foreign can end up being the most engaging. If you are not able to make it out, then there are various other ways to be involved such as our volunteer events. (Example: see note below in newsletter on upcoming Chicago Chemistry Day on October 27.) We are always looking for more participation and help in running the section.

I am eagerly anticipating the year ahead and hope that you are too. Looking forward to seeing you at future events!

*Bob Tsai*

*AIChE Chicago Section Chair, 2018-2019*

## October Meeting

### BIOGRAPHY

Rich Johnson is an Engineering Fellow at Honeywell UOP. He is the process specialist for the FCC (fluid catalytic cracking) engineering group and the specialist for the MTO (methanol to olefins) group. He is mainly responsible for the reactor, regenerator and flue gas section designs. Rich has a total of 33 years at UOP, with 28 years as an engineer. He has held positions that include the paint shop, laboratory technician and pilot plant operator (to pay his way through school). After graduating and staying with UOP he worked in process development, field service starting up Platforming units around the world, technical services, project manager and has been in the FCC engineering group since 2000. He currently holds 16 patents. Rich has a Bachelors degree in Chemical Engineering from University of Illinois at Chicago and has been an AIChE member for 4 years.

### *Registration and Information:*

<http://www.cvent.com/d/8bqwtg>

### *Revamp Engineering — Where All the Fun Is*



### ABSTRACT

There are many opportunities for refineries to revamp their existing units to increase processing capacity, change their product slate or improve reliability. Revamp engineering is different than designing a new unit. There are many unique and challenging aspects that have to be considered. In this presentation will discover what these challenges are and understand what skill sets are required by the revamp engineer. It takes a different mindset to get through these projects and there will be many constraints set by the existing equipment and the customer. We will work through this and discuss strategic approaches for a successful project, along with some real-life examples. Also CFD can be a tool to analyze and develop design ideas and the presentation will explore such examples. Revamp engineering is where all the fun is.

## September Meeting

Our local section ended the summer break with a meeting at the Wise Owl Drinkery & Cookhouse next to the Racine station of the Blue Line and within walking distance from the UIC campus. A little over 30 attendees enjoyed the buffet and a broad selection of local brews. The students that attended got some good tips for conducting their job searches from the experienced members along with some hints on how to get an interview and hired at their respective companies. Adam Krueger from Sun Recruiting was the invited speaker and presented an encouraging economic outlook for the chemical industry along with a favorable forecast for chemical engineer hiring over the 2018/9 time frame.

*By Lance Baird*

Remember to check out our [facebook page](#) for the latest photos!



# CHEMISTRY IS OUT OF THIS WORLD

## National Chemistry Week at College of DuPage

Saturday, Oct. 27, 2018  
10 a.m. to 2 p.m.

Health and Science Center (HSC), Room 1234 and atrium

**FREE**

- Hands-on experiments
- Mind-enriching lectures
- Industry and COD exhibits

This event is sponsored by the **American Chemical Society (ACS)**,  
Chicago Section and **College of DuPage**.

 **College of DuPage**

This event is funded pursuant to a grant from the Illinois Community College Board and funded partially through the Carl D. Perkins Career and Technical Education Improvement Act of 2006.

For ADA accommodations, call (630) 942-2141 (voice) or (630) 858-9692 (TDD).

Please call two weeks in advance.

**NATIONAL  
CHEMISTRY  
WEEK**



## *Volunteering Wanted on ACS's Chemistry Day*

We will be supporting the Chicago local section of the American Chemical Society (ACS) in its annual Chemistry Day, celebrating National Chemistry Week. The **College of DuPage in Glen Ellyn** will host this year's Chemistry Day on **Saturday, October 27th from 10 AM to 3 PM**. "Chemistry is out of this World!" will be the 2018 theme. Chemistry Day is a free event, and open to the public.

Volunteers are needed for the AIChE Chicago Section booth, where we will introduce children and their parents to chemistry and to our profession, chemical engineering.

There will be 2 shifts for volunteers: morning (10:30 AM – 12:30 PM) afternoon (12:30 PM – 2:30PM).

If you would like to help with the booth, please email Kimberly Douglas at [douglasekimberly2@gmail.com](mailto:douglasekimberly2@gmail.com) by October 26th at 5pm. Select one or both shifts. Any help is greatly appreciated!

Thank you,

AIChE-Chicago YP Board

For more information about the event check the following [link](#)

## **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, 2019**

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](mailto: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.



## 2018 NCW Illustrated Poem Contest Chemistry is Out of This World

The Chicago Local Section of the American Chemical Society (ACS) is sponsoring an illustrated poem contest for students in Kindergarten through 12th grade.

**Contest Deadline:** October 29<sup>th</sup> 2018

**Prizes:** will be awarded to the winning entry in four age groups

**Contact:** Entries must be Emailed to [chicagoacs@ameritech.net](mailto:chicagoacs@ameritech.net) A completed entry form must be included with each submission.

Winners of the Chicago Local Section's Illustrated Poem Contest will advance to the National Illustrated Poem Contest for a chance to be featured on the ACS website and to win prizes!

Write and illustrate a poem using the NCW theme, "Chemistry is Out of This World." Your poem must be **no more** than 40 words and in the following styles to be considered:

**HAIKU - LIMERICK - ODE - ABC POEM - FREE VERSE - END RHYME - BLANK VERSE**

**Possible topics related to space chemistry include:**

Light	Stars	Atmosphere	Spectrum
Planets	Gases	Supernova	Ultraviolet

**Entries will be judged based upon:**

- Artistic Merit - use of color, quality of drawing, design, and layout
- Poem Message - fun, motivational, inspiring about yearly theme
- Originality Creativity - unique, clever and/or creative design
- Neatness - free of spelling and grammatical errors

**Contest rules:**

- All poems must be no more than 40 words, and in one of the following styles to be considered: Haiku, Limerick, Ode, ABC poem, Free verse, End rhyme, and Blank verse.
- Entries are judged based upon relevance to and incorporation of the NCW theme, word choice and imagery, colorful artwork, adherence to poem style, originality and creativity, and overall presentation.
- All entries must be original works without aid from others. Poems may be submitted by hand on an unlined sheet of paper not larger than 11" by 14" or scanned and sent via email. Illustrations may be created using crayons, watercolors, other types of paint, colored pencils, or markers. The illustration may also be electronically created by using a digital painting and drawing app on a computer, tablet, or mobile device.
- The text of the poem should be easy to read and may be typed before the hand-drawn or digital illustration is added, or the poem may be written on lined paper, which is cut out and pasted onto the unlined paper with the illustration.
- No clipart or unoriginal images can be used.
- Only one entry per student will be accepted; all entries must include an entry form. If the illustration is created using a digital painting or drawing app, the name of the program must be included on the entry form.
- All illustrated poems and/or digital representations of the poems become the property of the American Chemical Society.
- Acceptance of prizes constitutes consent to use winners' names, likenesses, and entries for editorial, advertising, and publicity purposes.





**2018 NCW Illustrated Poem Contest  
Chemistry is Out of This World  
ENTRY FORM**

Please fill out this form and attach it after the poem. All fields are required. Incomplete forms will invalidate the entry.

**The deadline for the Chicago Local Section Contest is Monday, October 29<sup>th</sup> 2018.**

Student and Organization Information			
Student Name:			
Student Grade:			
Parent/Guardian Name:			
Parent/Guardian Email:			
Parent/Guardian Address:			
Parent/Guardian City:	State:	Zip:	
School or Sponsoring Group (e.g. Boys and Girls Club or Scout Troop, 4-H, etc.):			
Teacher Name:			
Teacher Email:			
School Address:			
School Address 2:			
School City:	State:	Zip:	
Please send any follow up for the student to the <u>parent</u> <input type="checkbox"/> or <u>school</u> <input type="checkbox"/> address.			
Illustration Type (Check one)			
Hand-drawn art <input type="checkbox"/>		Digitally created art <input type="checkbox"/>	
If the poem was digitally created, please name the software used in the box below:			
Judging Category by Grade (Check one)			
K-2 <input type="checkbox"/>	3-5 <input type="checkbox"/>	6-8 <input type="checkbox"/>	9-12 <input type="checkbox"/>
FOR LOCAL SECTION USE ONLY			
Local Section Name:	Chicago		
NCW Coordinator Name:	Avrom Litin		
NCW Coordinator Email/Phone:	<a href="mailto:chicagoacs@ameritech.net">chicagoacs@ameritech.net</a> 847-391-9091		



## Why Renew Your AIChE Membership?

**Renew your membership now to keep learning and growing.**  
**Stay Connected to 40,000+ international members who take advantage of:**

Renew Membership



- Subscription to AIChE's flagship publication: CEP\*
- Education—Access to e-learning courses and instructor-led training, offering Continuing Education 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](#)**

## *Visit our website!*

Be sure to check out our website to make sure you have the latest information on meetings and events! Miss a meeting? You can even find old newsletters and past events!

If you want to help us improve our website, please give us feedback, or even better, volunteer to help us with the website!

Thank you for being part of AIChE Chicago!



**[www.aiche.org/Chicago](http://www.aiche.org/Chicago)**

**[AIChE Chicago is now on Facebook and LinkedIn!](#)**



Like us on Facebook [www.facebook.com/AIChEChicagoSection](http://www.facebook.com/AIChEChicagoSection)



[Join our group on LinkedIn!](#)

# ***SAVE THE DATE***



2019 AIChE Midwest Regional Conference

Chicago, IL – ***March 18-19, 2019***

Hosted by University of Illinois @ Chicago, UIC

Organized by Chicago Local Section of AIChE

If you are interested in:

- ◆ Presenting and submitting a paper
- ◆ Being a session chair or co-chair,
- ◆ Get involve and volunteer;

Please send an email to:

[aichechicago@gmail.com](mailto:aichechicago@gmail.com)

## *Upcoming AIChE Conferences, Meetings and Webinars*

### Chicago Section Monthly Meetings

Oct 25, 2018	Revamp Engineering — Where All the Fun Is Schaumburg, IL
Nov 15, 2018	Speaker: Dr. Jennifer Reed, University of Wisconsin
Jan, 2019	Joint Meeting with ACS

### AIChE Conferences

Oct 9-10, 2018	<a href="#">10th AIChE Southwest Process Technology Conference</a> , Galveston, TX
Oct 28-Nov 2, 2018	<a href="#">2018 AIChE Annual Meeting</a> , Pittsburgh, PA
Nov 12-Nov 14, 2018	<a href="#">Space Travel: Adaptive Research and Technologies from Biological and Chemical Engineering (STAR Tech)</a> , Hyatt Regency Houston, TX
Nov 15-16, 2018	<a href="#">Industrial Water Use and Reuse Workshop 2018</a> , San Antonio, TX

### AIChE Webinars

Oct 17, 2018	<a href="#">How to Do Process Intensification: Methodology for PI Equipment Selection</a>
Oct 17, 2018	<a href="#">A Matter of Frequency: The Benefits of 80 GHz Radar for Liquid Level Measurement</a>
Oct 24, 2018	<a href="#">Back To School: How to Avoid the Training Brain Drain</a>

Officers and Contact Information

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Chair Elect Protem	Jarad Champion
Chair Programming	Ha Dinh
	Sarika Goel
Secretary	Ben Ketter
Treasurer	Jeff Zalc
Directors at Large	Adam Kanyuh
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	Janet Werner <a href="mailto:Janet.werner8@gmail.com">Janet.werner8@gmail.com</a>

**AICHE CHICAGO SECTION**

American Institute of Chemical Engineers  
Chicago Section  
13964 Doral Lane  
Homer Glen, IL 60491  
[aichechicago@gmail.com](mailto:aichechicago@gmail.com)

We are on the web  
[www.aiche.org/Chicago](http://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](mailto: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](mailto:aichechicago@gmail.com) with "newsletter article" as a subject line.

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