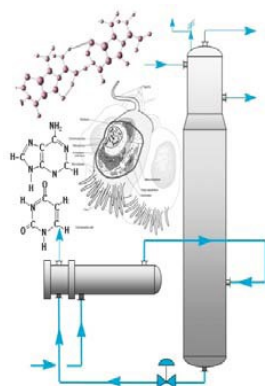


April Newsletter

Chicago Section

www.aiche.org/Chicago

April 2019



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April 2019 Local Section Meeting & Annual Poster Competition

How To Succeed in Industry

Professor Jim Riggs

Professor Emeritus, Texas Tech University



Date: *Tuesday, April 16th, 2019*

Location: *Hermann Hall Ballroom, IIT*

3241 S Federal St, Chicago, IL 60616

IIT Parking information: <https://web.iit.edu/acaps/parking/visitor-and-event-parking>

Cost:

Members: \$40	Non-Members: \$50
AIChE Global Member Only: \$45	
Students: \$10	Unemployed/Retired: \$15

Click on the link to register!

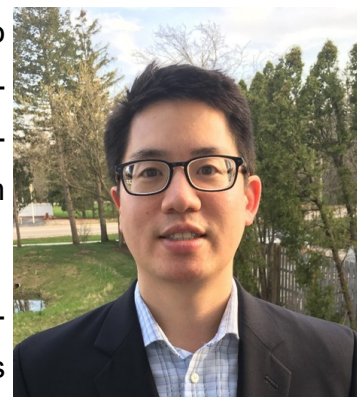
<http://www.cvent.com/d/n6qc5z>

Agenda

5:00 to 5:20 PM	Poster setup
5:20 to 6:20 PM	Poster session, registration and social hour
6:20 to 6:30 PM	Pre-meeting presentation by BakerRisk
6:30 to 7:30 PM	Dinner
7:30 to 7:45 PM	Section Announcements & McCormack Awards
7:45 to 8:45 PM	Technical Presentation
8:45 to 9:00 PM	Presentation of Poster Awards

Chair's Corner

Another year, another great Midwest Regional Conference! I am so proud of how everything came together and want to thank all the volunteers, attendees, and sponsors. Although I am a bit sad (but also admittedly somewhat relieved) that the conference is over, I think we all can eagerly anticipate MRC-12.



One of my favorite parts of the symposium this year was the poster session. (Kudos to Adam Kanyuh for chairing such a fantastic event.) I was quite happy to see the excellent turnout and am optimistic the success can be duplicated at the meeting this month, which features our annual student poster competition. Undergraduate and graduate students are invited to participate and present on their design and research projects. The posters will be judged, and the top ones will be given prizes! There is a need for judges during the competition so please consider volunteering for this purpose. The students put a great deal of effort into their work and being able to provide feedback and encouragement is definitely a rewarding experience. I also hope many students likewise take advantage of the opportunity to practice their interpersonal and technical skills, particularly as they look ahead to starting careers. A flyer with more information on the poster session is included as part of this newsletter.

The annual presentation of the Harry McCormack Outstanding Senior Award is on the monthly meeting agenda too. This award is given to one student from each of the Chicago-area universities to acknowledge excellence in study, research, and extra-curricular activities. Between these honors and the poster competition prizes, the evening is sure to be a fun time filled with well-deserved recognition, so hopefully you can join us!

Bob Tsai

AICHE Chicago Section Chair, 2018-2019

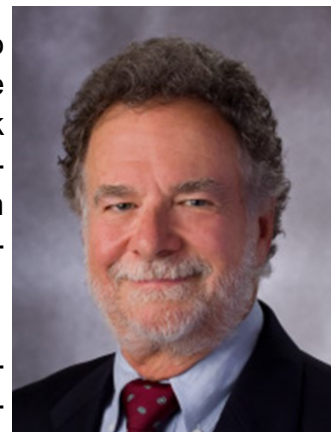
April Meeting Speaker Information

How To Succeed in Industry

Abstract:

Most chemical engineering students work hard to get this BS degree so that they can get a “good job” without paying much attention to how to be successful at the job or what kind of job they should seek. You may think that if you work hard and apply yourself that this will guarantee you success in industry. In fact, you have more control over your success than you might imagine. This presentation will describe your options and approaches that will increase your chance of success.

A major key for success is to determine what type of job you will enjoy because unless you are doing something you enjoy, it is difficult to be successful. While money is important, money by itself does not define success.



Another primary key to industrial success is expertise whether it is technical expertise or a proficiency in managing people. That is, what makes you a valued employee or an attractive consultant is the knowledge and skills that you possess. Therefore, when you identify your desired area of expertise, you can begin to put yourself in positions to develop the necessary experience and skills as well as developing knowledge through self study of the required technical knowledge. Developing an expertise can come from on-the-job training and experience and/or from research performed for an advanced degree. Having a recognized expertise will not only provide recognition within your company or organization, but can also provide professional mobility.

This presentation will present a number of technical areas of expertise for chemical engineers and their advantages and disadvantages. Remember that it is never too soon to begin working toward your long-range goals.

Biography:

James B. Riggs is a professor emeritus in the Department of Chemical Engineering at Texas Tech University. He has served as a consultant to major companies in the chemical process industry and has taught a number of industrial short courses. He co-founded the Texas Tech Process Control and Optimization Consortium in 1992 and served as a director for over 15 years. He has over 80 technical papers and has written several popular undergraduate textbooks: Chemical and Bio-Process Control, 4th Ed. with Naz Karim (2016); Basic Principles and Calculations in Chemical Engineering, 8th Ed. (2012) with David Himmelblau, Computational Methods for Engineers (2013), Programming with MATLAB for Engineers (2014) and An Introduction to Engineering Fundamentals and MATLAB (2016).

For Registration and Information:

<http://www.cvent.com/d/n6qc5z>

IIT Parking information: <https://web.iit.edu/acaps/parking/visitor-and-event-parking>

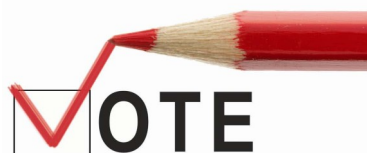
April Meeting Information

Every year AIChE-Chicago recognizes academic excellence at our three Chicago Section schools: IIT, Northwestern, and UIC. A student poster session competition/judging precedes dinner. Following the evening's guest speaker, the section will present the Harry McCormack award to the top students from each of our schools along with the poster session awards.

Poster Judges Needed!

Judges are needed for the student poster competition that will be held at the **April 16** local section meeting. Posters will be judged on quality and organization, the student's delivery and ability to answer questions, and the importance/relevance of the project. Please email aichechicago@gmail.com by **April 12** if you would be willing to assist.

Election Of Section Officers - Absentee Ballots



Election of officers will be held at the annual meeting on May 29. If you expect to be absent from this meeting, you may vote by absentee ballot. Please contact our secretary at aichechicago@gmail.com to obtain one.

Thank you to our April
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AICHE Chicago Section Poster Competition

Competition:

Tuesday April 16, 2019

5:20 PM – 6:20 PM

Hermann Hall Ballroom - Illinois Institute of Technology (IIT)
3241 S Federal St, Chicago, IL 60616

Prizes:

Cash prizes to the top undergrad and grad students

To Enter:

Submit title and abstract (500 words or less)
to Sarika Goel (Sarika.Goel@Honeywell.com)

by *Friday April 12, 2019*

More Info:

Posters on any topic related to chemical engineering are welcome, including research and senior design projects. The competition will be judged by chemical engineers using the AIChE National Student Poster Session judging criteria based on quality of poster, presentation, delivery, and importance/relevance of project.

Questions?

Contact Sarika Goel (Sarika.Goel@Honeywell.com)

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2019 Midwest Regional Conference Photos



Beshouri Receives AIChE's Award for Government and Industry Leaders @ 2019 AIChE Spring Meeting

President of Shell Global Solutions (U.S.) presents keynote address at AIChE Spring Meeting and 15th Global Congress on Process Safety in New Orleans, LA.

Sharon Beshouri, President of Shell Global Solutions (U.S.), Inc., and Vice President of Catalyst, Analytical and Refining Technology for Royal Dutch Shell (Houston, TX), has received the American Institute of Chemical Engineers' (AIChE) Government and Industry Leaders (AGILE) Award. The award is given to leaders who have made significant contributions to the chemical engineering profession and whose innovations have made a significant impact within the industries that employ chemical engineers. Dr. Beshouri received the AGILE Award on Monday, April 1, at the 2019 AIChE Spring Meeting and 15th Global Congress on Process Safety in New Orleans, Louisiana.



In connection with the award, Beshouri set the stage for the conference with her welcome keynote lecture entitled "Embracing Transitions Today: Assuring a Robust Future Tomorrow." In her talk, Beshouri stated that all advances are preceded by necessary transitions, and suggested that engineers had the skills and mindsets needed to successfully implement change. She noted several areas where these changes are in progress, including industry's transition to new sources of renewable fuels to meet growing global energy demands, the adoption of digital tools and strategies for safer and more efficient working environments, and the importance of transitioning knowledge from current experts to the next generation of engineers and technologies.

Beshouri also cautioned that industry and academia should transition to become more inclusive workplaces. "We need the collective capability of everyone to solve the challenges ahead of us," said Beshouri.

Sharon Beshouri earned her PhD in chemistry from Purdue University and conducted post-doctoral work at the University of California, Berkeley, and Lawrence Berkeley Laboratory. She began her career as a research scientist at Shell's Westhollow Research Center, in Houston, Texas, before moving to Shell Chemicals and subsequently to positions across corporate finance, planning, and strategic and commercial development. She also served as General Manager of Lower Olefins in the Americas and as President of Shell Chemical LP. In 2015, Beshouri

became President of Shell Global Solutions (U.S.), and Vice President for Catalyst Technology. She was also appointed Chief Engineer of the Research and Development Technical Function, and is charged with maintaining and assuring the health of the talent pipeline for research and development within Shell.

We need the collective capability of everyone to solve the challenges ahead of us.

The diversity of experiences Beshouri has gathered over her 30-year career has given her a unique perspective on the importance of talent and capability as well as how transitions shape the future of industry — insights she offered in her AGILE Award presentation.

Held at the Hilton New Orleans Riverside from March 31 to April 4, the 2019 AIChE Spring Meeting and Global Congress on Process Safety consists of nearly 200 sessions exploring topics of interest to practicing chemical engineers, with a focus on developments in energy, manufacturing, and industrial safety. Over 2,000 practitioners and company leaders from around the world are attending the conference.

Sharon Beshouri on Embracing Transitions Today and Assuring a Robust Future Tomorrow

[Sharon Beshouri](#), President of Shell Global Solutions U.S. and Vice President for Shell's Catalyst Technologies, opened this year's [AIChE 2019 Spring Meeting and Global Congress](#) on Process Safety in New Orleans with her [AGILE Award Keynote Address](#).

Following her talk, Sharon sat down with [Shariq Yosufzai](#), chair of the AIChE Foundation and retired Vice President, Global Diversity for Chevron. They discussed her work at Shell, including the transition from hydrocarbons to renewable fuels, as well as the importance of knowledge transfer to the next generation. Watch the full interview: <https://youtu.be/TMqvUAp-D-o>

Gavin Towler of Honeywell UOP on Taking Safety Performance to the Next Level

[Gavin Towler](#), Vice President and Chief Technology Officer of Honeywell Performance Materials Technologies, presented "Integrated Safety Management - Taking Safety Performance to the Next Level" as a keynote speaker at the [2019 AIChE Spring Meeting and 15th Global Congress for Process Safety \(GCPS\) luncheon](#).

In the video (<https://youtu.be/HyTzpm1S8lc>), Gavin sat down with AIChE Manager of Program Development Stéphanie Orvoine-Couvrette to discuss how integrated safety management can enhance safety performance and how to take safety to the next level.



AIChE Chicago Needs Your Help

STEM Night at Beebe Elementary School in Naperville

Outreach Volunteers Needed

When: Thursday May 2, 2019

Time: 6:30—8:00 pm

Where: Beebe Elementary School, Naperville, IL

RSVP: aichechicago@gmail.com by Wed, April 24th

The 3rd annual STEM Night at Beebe Elementary school in Naperville, takes place on Thursday, May 2nd from 6:30pm-8pm. It is run in an open-house format where the students & parents stop at booths to learn about STEM concepts. There are usually around 200 students in attendance and have had representatives from Fermilab, Argonne National Laboratory, IMSA, local police departments and area robotics teams showcase an aspect of STEM in their fields at past events.

AIChE Chicago is looking for volunteers to represent AIChE participate in their event to demonstrate a hands-on aspect of chemical engineering

Please RSVP to aichechicago@gmail.com by Wed, April 24h.

Volunteers Needed for Chicago Local Section

The AIChE Chicago Section needs volunteers to help with:

- **Newsletter Contributions** - write meeting summaries, contribute photos, interview members, or write newsletter pieces
- **Outreach Coordination** - serve as contact for outreach activities, investigate new initiatives, organize volunteers for only 3 events in one year.

If you have an interest in any of these positions or if you want to volunteer for any other committee, please contact email aichechicago@gmail.com.

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Upcoming AIChE Conferences, Meetings and Webinars

Chicago Local Meetings

April 16, 2019	Annual Poster Session and April Monthly Meeting—IIT, Chicago
May 29, 2019	Speaker: Jennifer Holgren, CEO of Lanzatech - OakPark, IL

AIChE Conferences

April 23-24, 2019	Chemical Ventures Conference 2019 , Delaware
May 28-31, 2019	8th International Conference on Bioengineering and Nanotechnology , Baltimore, MD
June 11-13, 2019	2019 Process Development Symposium , Houston, TX

AIChE Webinars

April 17, 2019	Biotechnology for Aquaculture
April 24, 2019	Pipeline Safety
June 12, 2019	Sustainable Development through Process Intensification
July 10, 2019	Modular Carbon Capture
July 17, 2019	Design Thinking & Economics of Modularization

Officers and Contact Information

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Chair Elect Protem	Jarad Champion
Chair Programming	Ha Dinh
	Sarika Goel
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AICHE CHICAGO SECTION

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

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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.

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

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