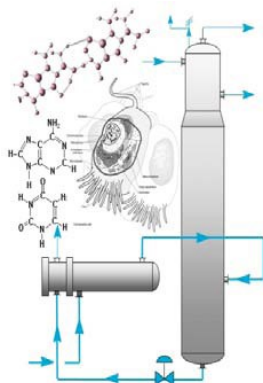


February Newsletter



AIChE Chicago February Meeting

Economic Based Controller Designs

Dr. Donald J. Chmielewski
Illinois Institute of Technology



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Date: **Tuesday, February 26, 2019**

Where: Greek Islands Restaurant

Address: 300 E 22nd St, Lombard, IL 60148

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

Registration and Information: <http://www.cvent.com/d/t6q9zp>

Agenda

5:30-6:30: Registration and Social Hour
6:30-7:30: Dinner
7:30-7:45: Section Announcements and Presentation of Thiele Award
7:45-8:45: Technical presentation



REGISTER ONLINE TILL
MARCH 10TH AND SAVE!

Register Here for MRC 11: <http://www.cvent.com/d/8bqtj2/4W>

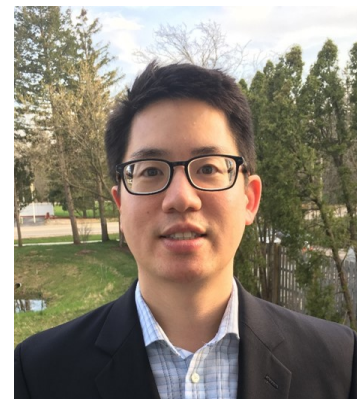
Chair's Corner

After a relatively mild start to this winter, Mother Nature has really been bearing down on us lately with polar vortices, ice storms, wind advisories, and seemingly a new ordeal each week. I hope everyone is safe and has not had to deal with any serious catastrophes.

The AIChE Local Sections Committee (LSC) recently released its annual report on the "health" of all local sections, based on survey responses that were submitted earlier this programming year. (If you are interested in reviewing the report, please send us a note at aichechicago@gmail.com.) A major takeaway from the analysis is that a majority (almost 80%) of local sections declined in membership this year, with local industrial activity changes (i.e., loss of jobs in an area and/or employer sponsorship of alternative professional organizations) cited as a primary factor. Weather (2018 hurricanes) was identified as having a large impact too, and the impact of long travel times on meeting attendance was furthermore mentioned.

A comparison of AIChE Chicago metrics versus our peers is expected to be released later by the LSC. In advance of that, my qualitative assessment is while AIChE Chicago has not been immune to some attrition as well, I am certain we are still doing well as a section. In general, we can attest to satisfying various key functional indicators such as hosting monthly meetings, remaining organized at the board level, maintaining financial stability, and staying up-to-date on social media platforms (website, Facebook, LinkedIn, etc.). My confidence also stems from our history of having many truly dedicated individuals to support the section. As a case in point, I am quite proud to announce that we had not one but two winners of the Shining Star Award this year, which is given annually by the LSC to recognize exceptional volunteerism at the local level. There are only a handful of winners each year so be sure to give Shannon Brown and Reza Mostofi your congratulations! The section can additionally

claim several past Shining Star recipients (Azita Ahmadzadeh, Janet Werner, and our featured speaker this month Don Chmielewski) to further support my assertion.



Nevertheless, there is always room for improvement. I want to stress that everyone's participation is crucial to our success so if you are reading this newsletter but are unable to attend our monthly meetings, outreach events, and other social activities for whatever reason, then definitely feel free to email us with ideas on how we might do better. Snowstorms and other weather phenomena are of course out of our control, but for matters like meeting location/content or anything else, we will certainly take suggestions into account.

Last but certainly not least, I would like to remind everyone that the 11th Midwest Regional Conference is coming up in about a month. The technical program has shaped up quite nicely, and some of the scheduled keynote speakers are profiled further down in this newsletter. The early-bird registration deadline is tomorrow (February 15) so please consider signing up to take advantage of a significantly discounted rate. Even if you miss that cutoff, there will still be plenty of time to register online (March 10) and benefit from partial savings versus on-site rates.

Bob Tsai

AIChE Chicago Section Chair, 2018-2019

February Meeting Information

Donald Chmielewsk Economic Based Controller Design

Speaker's Bio:

Donald Chmielewski is a graduate of the Illinois Institute of Technology where he received a B.S. in Electrical Engineering (1991). His M.S. and Ph.D. are from the University of California - Los Angeles, in Electrical and Chemical Engineering, respectively (1993, 2000). Currently, he is a Professor in the Department of Chemical and Biological Engineering at the Illinois Institute of Technology, where he specializes in advanced process control, system optimization and smart grid operation of chemical processes.

To Register:

<http://www.cvent.com/d/t6q9zp>

Abstract:

Since the inception of feedback, there has been a strong, but vague, relationship between control system



performance and process economics. This presentation will highlight recent efforts to quantify such relationships and arrive at controller designs tailored not only to the dynamics of the plant but also to the specific economic situation. The first part of the talk focuses on the notion of Economic Linear Optimal Control (ELOC) as a computationally powerful tool to simultaneously optimize over controller parameters as well as its steady-state operating point, yielding a predictive controller that is tuned to exploit process economics within its constraint environment. ELOC will then be compared with Economic Model Predictive Control (EMPC). Through a number of case studies, Constrained ELOC be shown to overcome many of the shortcoming of EMPC while sacrificing little with regard to performance.

Young Professionals News

Fellow YPs,

We hope the coldest days of the winter are now behind us and we look forward to the remainder of the 2018-2019 season. We are hosting our 10th annual Whirlyball Social on Thursday, February 21st at 5:30 PM in Lombard! Please check your inboxes for details; if you missed the initial email be on the look out for upcoming friendly reminders. Due to reservation minimums, if we do not receive enough RSVPs by noon of February 15th, we will consider moving the social to another nearby venue instead of playing Whirlyball. We hope to see you at our upcoming Whirlyball event and if you've pushed off sending that RSVP, please do so at your earliest convenience to Ruben, rubenbarajas321@gmail.com.

Additionally Engineers Week aka E-Week begins on the 17th. We hope you find a way to participate in one of the many events happening all around the greater Chicago area either through work or personal time. We are hosting the AIChE exhibit at the 35th Annual DuPage Area STEM Expo. This event takes place on Saturday, February 23rd, at the IIT Wheaton campus. We are looking for a handful of volunteers to help us staff our table throughout the day. We have broken the day into a morning shift (10:30 AM to 12:45 PM) and afternoon shift (12:45 PM to 3:00 PM). We are happy to report that we currently have three volunteers for the morning session and for the afternoon session. Thank you to those of you who have already volunteered. We welcome additional volunteers for each session—to volunteer, email Larry at eleftherios88@gmail.com.

YP is also planning on providing programming during the 2019 AIChE Midwest Regional Conference, which takes place on Monday and Tuesday of March 18/19th at UIC's east campus. We are focusing on one session, which will be on the 19th in the afternoon. We are currently in search for panelist with a passion for sharing formative experiences during their first ChemE related job. If you would like to join this "First Job Lessons Learned" panel geared towards recent graduates and young professionals please contact Larry at eleftherios88@gmail.com.

The Midwest Regional Conference (MRC) is an excellent place for young professionals to network, discover the latest industry and academic ChemE related trends, and expand one's knowledge of the diverse ChemE opportunists present in the Midwest. All YPs are encouraged to register and are given a special discount!

Kindest regards,

Eleftherios (Larry) Avtzis

2018-2019 YP Chair

2019 AIChE Midwest Regional Conference



Time to renew your PE license?
Need more PDH hours?

Register Today!

Early Bird Registration Ends February 15th

Earn your "PDH hours" by attending the AIChE Midwest Regional Conference right here in Chicago.

We hope you can join us with other experienced and young engineers as well as current and future students and local educators to make this year's conference another successful AIChE regional meeting. As always for up to date information please visit our website.

Registration

<http://www.cvent.com/d/8bqtj2>

Sponsorship

<http://www.cvent.com/d/3bqbgz>

Chicago, IL
March 18-19, 2019

Hosted by

University of Illinois at Chicago

Two Day Registration		One Day Registration	
1- AIChE Members			
Regular On-Site :\$440	Regular On-Site :\$300	Regular On-Site :\$300	Regular On-Site :\$300
Early Bird 2/14/2019 :\$240	Early Bird 2/14/2019 :\$165	Early Bird 2/14/2019 :\$165	Early Bird 2/14/2019 :\$165
Online 3/10/2019 :\$355	Online 3/10/2019 :\$245	Online 3/10/2019 :\$245	Online 3/10/2019 :\$245
2- NON-Members			
Regular On-Site :\$475	Regular On-Site :\$325	Regular On-Site :\$325	Regular On-Site :\$325
Early Bird 2/14/2019 :\$280	Early Bird 2/14/2019 :\$190	Early Bird 2/14/2019 :\$190	Early Bird 2/14/2019 :\$190
Online 3/10/2019 :\$395	Online 3/10/2019 :\$270	Online 3/10/2019 :\$270	Online 3/10/2019 :\$270
3- Young Professional AIChE Member (35 years)			
Regular On-Site :\$345	Regular On-Site :\$230	Regular On-Site :\$230	Regular On-Site :\$230
Early Bird 2/14/2019 :\$155	Early Bird 2/14/2019 :\$105	Early Bird 2/14/2019 :\$105	Early Bird 2/14/2019 :\$105
Online 3/10/2019 :\$260	Online 3/10/2019 :\$175	Online 3/10/2019 :\$175	Online 3/10/2019 :\$175
4- Unemployed/Retired AIChE Members			
Regular On-Site :\$155	Regular On-Site :\$120	Regular On-Site :\$120	Regular On-Site :\$120
Early Bird 2/14/2019 :\$100	Early Bird 2/14/2019 :\$65	Early Bird 2/14/2019 :\$65	Early Bird 2/14/2019 :\$65
Online 3/10/2019 :\$130	Online 3/10/2019 :\$95	Online 3/10/2019 :\$95	Online 3/10/2019 :\$95
5- NON-Member Unemployed/Retired			
Regular On-Site :\$175	Regular On-Site :\$140	Regular On-Site :\$140	Regular On-Site :\$140
Early Bird 2/14/2019 :\$115	Early Bird 2/14/2019 :\$80	Early Bird 2/14/2019 :\$80	Early Bird 2/14/2019 :\$80
Online 3/10/2019 :\$150	Online 3/10/2019 :\$115	Online 3/10/2019 :\$115	Online 3/10/2019 :\$115
6- Graduate Student			
Regular On-Site :\$155	Regular On-Site :\$120	Regular On-Site :\$120	Regular On-Site :\$120
Early Bird 2/14/2019 :\$100	Early Bird 2/14/2019 :\$65	Early Bird 2/14/2019 :\$65	Early Bird 2/14/2019 :\$65
Online 3/10/2019 :\$130	Online 3/10/2019 :\$95	Online 3/10/2019 :\$95	Online 3/10/2019 :\$95
7- Undergraduate Student			
Regular On-Site :\$50	Regular On-Site :\$35	Regular On-Site :\$35	Regular On-Site :\$35
Early Bird 2/14/2019 :\$20	Early Bird 2/14/2019 :\$15	Early Bird 2/14/2019 :\$15	Early Bird 2/14/2019 :\$15
Online 3/10/2019 :\$35	Online 3/10/2019 :\$25	Online 3/10/2019 :\$25	Online 3/10/2019 :\$25

11th Midwest Regional Conference Keynote Speaker

Erin Kane

Erin Kane is president and CEO of **AdvanSix Inc.**, a fully-integrated manufacturer of nylon 6 resin, chemical intermediates and ammonium sulfate. She took on this role in 2016 as AdvanSix was spun out from Honeywell and became an independent company. AdvanSix (NYSE: ASIX) has more than 1500 employees, four U.S.-based manufacturing sites and provides global customers nylon materials used in carpet, engineering plastics, films, fibers and filaments; fertilizer used to grow high-value crops; and chemicals that serve as building blocks for paints, adhesives, and other formulations.



Prior to being named president of AdvanSix, Kane was vice president and general manager of Honeywell's Resins and Chemicals unit, responsible for all sales, marketing and manufacturing for the multi-billion dollar business. She joined Honeywell in 2002 and held positions of increasing responsibility in marketing and business management across the organization. Among her accomplishments were leading the cross-functional team charged with integrating Honeywell Process Solutions with company's Performance Materials and Technologies business and overseeing the turnaround of the Chemical Intermediates (part of the Resins and Chemical business) group following the acquisition of the Frankford (PA) phenol plant.

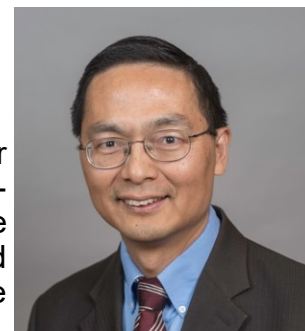
Kane began her career with Six Sigma and process engineering positions at Elementis Specialties and Kvaerner Process. She is a certified Six Sigma Black Belt.

Kane serves on the Boards of Directors of the American Chemistry Council, AIChE and AdvanSix Inc. She earned a bachelor's degree in chemical engineering from Bucknell University and lives in New Jersey with her husband and two children. Kane is based at AdvanSix's headquarters in Parsippany, N.J.

11th Midwest Regional Conference Keynote Speaker

Dr. Huimin Zhao

Dr. Huimin Zhao is the Steven L. Miller Chair of chemical and biomolecular engineering, and professor of chemistry, biochemistry, biophysics, and bio-engineering at the University of Illinois at Urbana-Champaign (UIUC). He received his B.S. degree in Biology from the University of Science and Technology of China in 1992 and his Ph.D. degree in Chemistry from the California Institute of Technology in 1998 under the guidance of Dr. Frances Arnold. Prior to joining UIUC in 2000, he was a project leader at the Industrial Biotechnology Laboratory of the Dow Chemical Company. He was promoted to full professor in 2008. Dr. Zhao has authored and co-authored over 300 research articles and over 25 issued and pending patent applications with several being licensed by industry. In addition, he has given plenary, keynote or invited lectures in over 360 international meetings, universities, industries, and research institutes. Twenty-three (23) of his former graduate students and postdocs became professors in the United States (8), China (Mainland 10, Taiwan 1), Korea (2), Singapore (1), and Egypt (1).



Dr. Zhao received numerous research and teaching awards and honors, including Marvin Johnson Award (2018), Biotechnology Progress Award for Excellence in Biological Engineering Publication (2017), Charles Thom Award (2016), Elmer Gaden Award (2014), Guggenheim Fellowship (2012), Fellow of the American Association for the Advancement of Science (AAAS) (2010), Fellow of the American Institute of Medical and Biological Engineering (AIMBE) (2009), American Institute of Chemical Engineers (AIChE) Food, Pharmaceutical, and Bioengineering Division Plenary Award Lecturer (2009), the American Chemical Society (ACS) Division of Biochemical Technology Young Investigator Award (2008), Outstanding Overseas Young Chinese Scholars Award (2007), DuPont Young Professor Award (2005), National Science Foundation CAREER Award (2004), Dow Chemical Special Recognition Award (1999), University Scholar from UIUC (2007), Petit Scholar from UIUC College of Liberal Arts and Sciences (2006), and Xerox Award for Faculty Research from UIUC College of Engineering (2005).

Dr. Zhao served as a consultant for over 10 companies such as Pfizer, Maxygen, BP, Gevo, and zuChem, and a Scientific Advisory Board member of Gevo, Myriant Technologies, Toulouse White Biotechnology (TWB), and AgriMetis. He was a member of National Academies' study group on *Industrialization of Biology: A Roadmap to Accelerate Advanced Manufacturing of Chemicals*. He is currently an advisor to the Department of Energy's Biological and Environmental Research program and the visiting principal investigator of the metabolic engineering research laboratory (MERL) in the Agency for Science, Technology and Research (A*STAR) of Singapore, Qiushi visiting chair professor in Zhejiang University in China, visiting professor at Beijing University of Chemical Technologies, and visiting professor at Nanyang Technological University in Singapore. In addition, he is the theme leader of the Biosystems Design theme in the Carl R. Woese Institute for Genomic Biology at UIUC. Dr. Zhao is an Associate Editor of *ACS Catalysis* and an editor of *ACS Synthetic Biology*, *Journal of Industrial Microbiology and Biotechnology*, *the CRISPR Journal*, *Scientific Reports*, *Biocatalysis*, and *Engineering in Life Sciences*. His primary research interests are in the development and applications of synthetic biology tools to address society's most daunting challenges in health, energy, and sustainability, and in the fundamental aspects of enzyme catalysis, cell metabolism, gene regulation, and cell differentiation.

For details, visit <http://scs.illinois.edu/~zhaogrp/> and <https://www.a-star.edu.sg/merl/>

11th Midwest Regional Conference Keynote Speaker

Dr. Asha Oroskar

Dr. Asha Oroskar co-founded Orochem Technologies Inc. in 1996. She is recognized in the chemical industry for her expertise in high throughput sample preparation and purification products.

Today Orochem is one of the companies that modifies silica and synthesizes polymer in-house for all their separation and purification needs. Utilizing her expertise in the analytical chemistry consumable products, Dr. Asha collaborated with her co-founder, Dr. Anil Oroskar, globally recognized for large scale separation to establishing Orochem as a world leader in establishing plants for production of pure ingredients. Orochem has the unique expertise to embed processes into plants installed worldwide for ton scale purification units for nutraceuticals, and food ingredients markets.



Dr. Asha collaborated with her co-founder, Dr. Anil Oroskar, globally recognized for large scale separation to establishing Orochem as a world leader in establishing plants for production of pure ingredients. Orochem has the unique expertise to embed processes into plants installed worldwide for ton scale purification units for nutraceuticals, and food ingredients markets.

She has co-authored about twenty patents and has led Orochem to be recognized as a global leader for commercial scale purification using simulated moving bed chromatography.

She is recognized as serial entrepreneur. Following the success of Orochem, Dr. Asha Oroskar has co-founded with Dr. Anil Oroskar entities around the globe. Including Orochem India, based in Mumbai India; Kazmira, LLC, in Colorado, and Sirona Naturals, based in Naperville, Illinois.

Dr. Asha Oroskar is the recipient of several awards, including Women of M2M, and most recently been recognized as one of the 100 most impactful healthcare leaders globally.

11th Midwest Regional Conference Keynote Speaker

Dr. Randy Snurr

Randy Snurr is the John G. Searle Professor and Department Chair of Chemical and Biological Engineering at Northwestern University. He holds BSE and PhD degrees in chemical engineering from the University of Pennsylvania and the University of California, Berkeley, respectively. He performed post-doctoral research at the University of Leipzig in Germany supported by a fellowship from the Alexander von Humboldt Foundation. Other honors include a CAREER award from the National Science Foundation, the Institute Award for Excellence in Industrial Gases Technology from the American Institute of Chemical Engineers, and the Ernest W. Thiele Award from the Chicago Section of AIChE. He has been named a Highly Cited Researcher by Thomson Reuters/Clarivate Analytics. He served as a Senior Editor for the *Journal of Physical Chemistry* and is currently on the advisory boards of the journals *Adsorption*, *Adsorption Science & Technology*, *Current Opinion in Chemical Engineering*, and *Molecular Systems Design & Engineering*. His research interests include development of new nanoporous materials for energy and environmental applications, molecular simulation, adsorption separations, diffusion in nanoporous materials, and catalysis.



“What’s a Particle: Intro to Particle Technology”

A Workshop presented by **Dr. Ben Freireich**, Technical Director of Particulate Solid Research, Inc. (PSRI)

Don't miss this opportunity to learn (more) about this branch of chemical engineering

Process control

CO2 capture

Environmental

Process safety

CFD Modeling

Refining & Petrochemicals

Electrocatalysis for Energy and Environmental Applications

Protein Engineering and Production



Call for Posters from Undergraduates / Graduate Students



**2019 AIChE Midwest Regional Conference
Chicago, IL March 18-19, 2019**

**Hosted by University of Illinois at Chicago
Organized by AIChE Chicago Local Section**

Looking for an opportunity to present your findings to others within the Chemical Engineering Industry / Academia and get credit for presenting your work at professional conference? The Midwest Regional Conference is a great forum to do this!

The poster session will be held on March 18th for 5 to 7 pm at University of Illinois at Chicago.

Note: The submission deadline is March 8, 2019

[Click Here to Submit your Abstract](#)

The planning committee for the 2019 AIChE Midwest Regional

For submission questions Contact the Poster Session Chair at

Adam.Kanyuh@Honeywell.com

January Meeting Summary

On Friday, January 25th, the annual joint AIChE/ACS Chicago local section meeting was held at Roosevelt University. The meeting began with a short presentation by Joel Shoenburg called, "Lead, the versatile metal that fixed engine knock", where he focused on the past importance of leaded oil. After dinner and networking, Irene Cesa presented her quick "Safety Minute Disposing of Unused Medicines". The night was finished with the main speaker, Dr. Andrew Lee, from Northwestern University. In his presentation, titled, "Rational Cancer Vaccine Design Based on Spherical Nucleic Acids (SNAs)", he discussed his research into creating a cancer vaccine through the study of SNAs.

By Connor Wegner



Future City Competition

AIChE Chicago participated alongside other technical societies in judging for the State of Illinois Future City Competition, held at Whitney Young Magnet High School in Chicago on January 19. The challenge for the middle school students was to design a sustainable, futuristic city that can withstand natural disasters for a given geography. There were a lot of innovative ideas for diversifying the energy sources and a wide range of climates that were being considered. They had ideas ranging from underground villages to floating pods. Wind and solar were a big draw, and some of their schools had industrial supporters for ideas such as energy storage. The students were “thinking out of the box” to find ways to sustain their populations with food, water, and services. They built a small version of their city to display, they had to write a short report defending their ideas and the students took turns sharing their contribution to their city’s design. They did a great job and had many interesting and different ways to design the city of the future.

The recipient of the Most Efficient Energy Design award sponsored by AIChE Chicago was Urbana Middle School, for their city “Twizel.” Big congratulations to the students!

For photos of the event, please click [here](#).

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

Congratulations to AIChE Chicago Member Shannon Brown and Reza Mostofi!



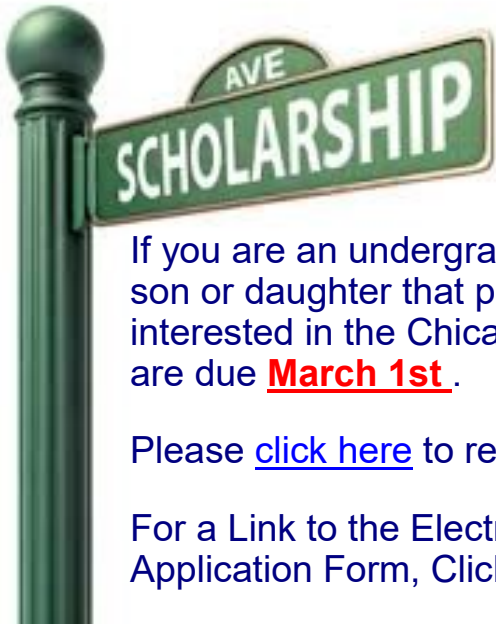
The AIChE Local Sections Committee annually presents Shining Star Awards to recognize outstanding volunteerism at the AIChE local section level. Local sections are invited to nominate their most exemplary members. Shannon Brown and Reza Mostofi were nominated on behalf of the AIChE Chicago Section, and they were selected as well-deserving recipients of the award this year! Congratulations to both!

Shannon is one of the longest serving volunteers in the AIChE Chicago Section and embodies the dedication to the local section that the Shining Star Award represents. She has set a great example for the Chicago-area community with her admirable record – not just in terms of fulfilling numerous roles and responsibilities but also by the duration of her commitment. Shannon continues to actively provide the current leadership team with guidance, which we are quite thankful for.

Reza is always someone to lend a helping hand, suggest a new idea, and provide additional information. He is the epitome of a dedicated volunteer given his willingness to accept a variety of assignments – for example, managing our online presence, serving as a judge for our annual student poster competition, or putting together promotional flyers. Reza has been instrumental in helping to establish and maintain critical functional aspects that have facilitated communication with our members and organization of our monthly meetings. He has demonstrated a sincere interest in the overall successful operation of the Chicago Local Section. The section certainly would not be the same without his substantial contributions.

For more information about the Shining Star Award, [click here](#).

Attention Students and Parents!



If you are an undergraduate chemical engineering student or have a son or daughter that plans to study chemical engineering you may be interested in the Chicago Section's scholarship program. Applications are due **March 1st**.

Please [click here](#) to read rules and eligibility.

For a Link to the Electronic Version of the AIChE Chicago Scholarship Application Form, Click on the Link Below:

<http://form.jotform.us/form/42814483647159>

Fuels and Petrochemicals Division High School Academic Scholarship for STEM Majors.

The Fuels and Petrochemicals Division of AIChE (F&PD) is pleased to sponsor two \$1,000 one-time awards to exemplary high school seniors who plan on studying engineering or science from an ABET accredited college starting in 2019. F&PD is committed to introducing high school students to careers in Fuels & Petrochemicals through its programs, helping to fuel the industry's need for top talent in the future.

Details of the program, along with applications, will be available on the F&PD website:

<https://www.aiche.org/community/sites/divisions/fuels-and-petrochemicals/awards>

If you do have any questions or have interest in volunteering to help run this program of F&PD, please contact our Scholarship Coordinator, Professor Sheima Khatib. We kindly ask F&PD members to help spread the word on F&PD's annual high school scholarship program.

Sincerely,

Sheima Khatib - fpdHS-scholar@aiiche.org

Bill Rooney - fpdchair@aiiche.org



**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**

Volunteers needed for MRC 2019

The AICHE Midwest Regional Conference 2019 organization is well underway. We are still trying to fill a couple of Committee Chairs:

Registration Committee – *registration committee is responsible for the registration both online and on-site.*

Onsite Registration – *responsible for the printing of name badges for all preregistered attendees and distribution of program books. Also, issue PDH (continuing education) certificates as well as manage associated sign-in/out sheets.*

Lodging and Travel - *Provide support for making arrangements and/or coordinating travel arrangements for out of state guest participants and visitors*

Signage – *responsible for creating, printing and displaying any signage required for the conference.*

Session chairs: *We also need your help in organizing the technical sessions. This position includes soliciting three speakers for your session that can be about a relevant subject. It is a great opportunity to know your peers in your interest area and expand your network of friends as well. We would like to have two co-chairs for each session so in case of any unforeseen circumstances, the session can still be held at the given time slot. Our estimate for the time required to perform this task is around 10-15 hours excluding the actual time at the conference. Please note that there are several sessions in parallel and we need many volunteers for this position.*

If you have an interest in any of these positions or if you want to volunteer for any other MRC committee, please contact Dennis O'Brien at dennisobr@gmail.com. The MRC 2019 will be held March 18-19th 2019 at UIC. More information is available at the conference web site:

<https://www.aiche.org/community/sites/local-sections/chicago/mrc11-2019>.

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
- **Welcoming and Registration** - help at registration desk for monthly meetings, develop membership initiatives

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.

NOMINATIONS FOR 2019-2020 AIChE Chicago SECTION OFFICERS

Members may nominate only one candidate for each office (Chair-Elect, Vice-Chair Program, Treasurer, Secretary) and one Director-at-Large for 2019-2020 Fiscal year.

You must fill out a letter of intent form:

<https://form.jotform.com/50354560774154>

Please submit nominations either on line or download the form and send it to Robert Tsai (Robert.Tsai@honeywell.com). The nomination deadline is on **March 18**.



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



Like us on Facebook www.facebook.com/AIChEChicagoSection



[Join our group on LinkedIn!](#)

Upcoming AIChE Conferences, Meetings and Webinars

Chicago Local Meetings

Feb 26, 2019	“Economic Based Controller Designs” Don Chmielewski, IIT (Thiele awardee) - Lombard
Mar 18, 2019	Speaker: Markita Landry, UC Berkeley - UIC, Chicago, IL
Apr 2019	Annual Poster Session and April Monthly Meeting—IIT, Chicago
May 22, 2019	Speaker: Jennifer Holmgren, CEO of Lanzatech - Location TBD

AIChE Conferences

Feb 17-20, 2019	6th International Conference on Accelerating Biopharmaceutical Development (AccBio 2019) , Carlsbad, CA
Mar 18-19, 2019	AIChE Midwest Regional Conference , Chicago, IL
Mar 31-Apr 4, 2019	2019 Spring Meeting and 15th Global Congress on Process Safety , New Orleans, LA
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

Officers and Contact Information

Chair	Bob Tsai
Chair Elect Protem	Jarad Champion
Chair Programming	Ha Dinh
	Sarika Goel
Secretary	Ben Ketter
Treasurer	Jeff Zalc
	Adam Kanyuh
Directors at Large	Dennis O'Brien
	Olha Zvarych
House Committee	Paolo Palmas
	Jarad Champion
	Asmara Soomro
Newsletter Editors	Mita Jabun j.n.mita@gmail.com
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	Janet Werner Janet.werner@gmail.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.

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.

