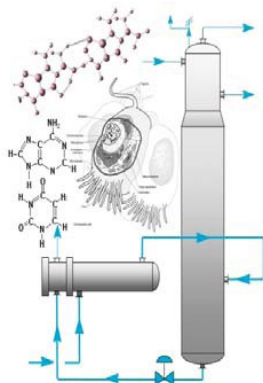


# November Newsletter

Chicago Section

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

November 2019



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## AIChE Chicago November Meeting Particle Technology? What’s that?

**Dr. Ben Freireich**

*Technical Director  
Particulate Solid Research, Inc. (PSRI)*



**Date:** *Tuesday November 19, 2019*

**Time:** *5:30 PM– 9:00 PM*

**Where:** *Restaurant- Francesca's Fiore*

**Address:** *7407 Madison St., Forest Park, IL 60130*

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

**Agenda:**

**5:30-6:30 PM: Registration, Networking and Cash Bar**

**6:30-7:30 PM: Dinner**

**7:30-7:45 PM: Section Announcements**

**7:45-9:00 PM: Technical presentation, Q&A**

Click on the link to register!

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

## Chair's Corner

As an organization, one of the most important aspects of leading the AIChE Chicago Section is how we communicate with our members and the public. We achieve much of our mission through in-person meetings and conferences; however, there is a large portion of the Chicago Section membership who we reach exclusively through digital communications, which have a negligible cost impact to our finances. Currently, the AIChE Chicago Section communicates with its members through several digital platforms:



- Newsletters that serve as a comprehensive source of information for members
- Emails for events and notices using Cvent
- A website hosted by AIChE
- Social media (LinkedIn and Facebook)

As social media matures, it will become more important to the Chicago Section because of its ability not only to broadcast information but also to build engagement with members who are unable to attend in-person meetings or conferences. We currently have a lot of opportunities to expand the use of LinkedIn and other social media platforms. However, for the AIChE Chicago Section, social media will present new challenges for our volunteers:

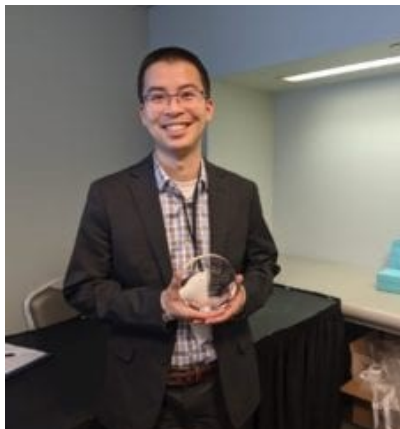
- Do we need to have social media content go through a review process, like the process used for the newsletter?
- Can the content from the newsletters be easily migrated to social media, so that there is seamless duplication of content across communication platforms?
- Will we allow and moderate posts from our members or the public?
- How frequently do volunteers need to engage with members on the social media platform?
- Do we maintain organizational social media accounts or allow volunteers to post from their personal accounts?

At this point in time, the AIChE Chicago Section does not have a large enough team of volunteers who are savvy with social media. I am recommending that we instead focus our volunteer efforts on refreshing our AIChE-hosted website and identifying how webmaster roles can be distributed to more of our meetings and newsletter volunteer teams. To this end, I have set out the following goals for myself to help lead the refreshing of the website:

- Discuss with the Board of Directors if the overall structure of the website is appropriate for our current operations;

# Congratulations

## LANZATECH WINS THE 2019 KIRKPATRICK CHEMI- CAL ENGINEERING ACHIEVE- MENT AWARD



### Dr. Allan Gao of LanzaTech accepts Award

The 45th Kirkpatrick Chemical Engineering Achievement Award was presented on Wednesday, October 23 to LanzaTech for its Gas Fermentation Technology, which converts carbon-rich gas streams to products using proprietary microbes that feed on gases rather than sugars, as in traditional fermentation. The source of the gases can include industrial emissions and more. LanzaTech's process takes waste carbon and produces chemicals that serve as building blocks for products such as rubber, plastics and fuels. Third-party assessments have shown greenhouse-gas-emissions reductions by over 70% compared to equivalent products from fossil carbon.

- Develop a handbook with detailed methods of how website volunteers should post to the AIChE website;
- Explore options to cross-post our website content with other Chicago area professional organizations; and
- Most importantly, recruit new volunteers who would be interested in serving with the AIChE Chicago Section.

I would like to conclude by thanking Ha Dinh, whose expressed interest in the website has led recently to renewed efforts to refresh the website, and to those who have been insightful into how to move this forward, including Janet Warner and Azita Ahmadzadeh.

Jarad L. Champion, P.E., BCEE  
AIChE Chicago Section Chair  
AIChE Senior Member

## **NOMINATIONS REQUESTED FOR THE 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 01, 2020.

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, 603-2W 150 W  
Warrenville Road, Naperville, IL 60566  
Ph 331-702-4071 (office)  
Ph 630-269-8662 (cell)

## November Meeting

*Dr. Ben Freireich*

*Technical Director, Particulate Solid Research, Inc. (PSRI)*

### **Biography:**

Ben Freireich is the Technical Director at Particulate Solid Research, Inc. (PSRI) and previously a Research Scientist in Engineering Sciences at The Dow Chemical Company in the Solids Processing Lab. He obtained his PhD in Mechanical Engineering from Purdue University studying manufacturing processes involving solid materials (particles, powders, etc).



At PSRI, Ben guides member and contract research efforts executed by the technical staff. PSRI is a consortium-based research company with member companies across the globe that applies and generates fundamental research in the area particle technology with focus on fluidized systems. At Dow he was involved in many products and processes, with expertise on powder flowability, fluidization, size enlargement, attrition, and other areas of solids processing.

Ben has over 20 publications and over 350 citations, sits on the Executive Committee of the AIChE Particle Technology Forum, is the Chair of ASTM D18.24 sub-committee on Characterization of Bulk Solids and Powders, and was recently named one of AIChE's 35 under 35 for 2017. He lives in Chicago, IL and has four children.

### **Abstract:**

#### ***"Particle Technology? What's that?"***

Nearly every material you interact with was or interacted with a particle at some point during its journey toward being a final product. Raw materials, intermediates, catalysts, sorbents, final products, etc. Particles were somewhere. And if they weren't part of that chain, they showed up as waste or fouling. Yet even with these billions of pounds of solids being processed and handled every year, most chemical engineers are ill-equipped to deal with the complexities of the engineering science of solids processing. Hence, plants and products suffer with lost production, inability to achieve design production rates, off grade, or off specification products. During this talk we will take a look at the fun world of solids processing and you will learn the few key concepts of particle technology.

Click on the link to register!

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

BELONG TO SOMETHING

# BIGGER



AIChE The Global Home of Chemical Engineers

FUELS & PETROCHEMICALS  
A DIVISION OF AIChE

## Bigger ideas. Bigger networks. Bigger paths to career advancement.

AIChE® membership means access to bigger ideas, bigger networks, and bigger opportunities for career advancement and enhancement. To grow this community, we are offering an exclusive membership offer specifically-designed for Chemical Engineers working within Fuels & Petrochemicals.

Become an AIChE member and join our **Fuels & Petrochemicals Division** to immediately access these **benefits valued at over \$7,000 for the price of \$209**.

- \* Download **17 Fuels & Petrochemicals Division Conference Recordings (2013-2018) & Proceedings (2006-2018)**, valued at \$2,635. Get access to new F&PD conference proceedings each year with continued membership. More to come in the near future!
- \* Downloadable curated **Fuels & Petrochemicals CEP magazine article** bundles featuring 26 articles, valued at \$780.
- \* Receive a subscription to **Hydrocarbon Processing**, valued at \$399.
- \* Access to **8 Fuels & Petrochemicals Division Webinar Bundles**, valued at \$3,192. Want more? AIChE members receive 6 free annual credits to apply to purchasing live and archived webinars and conference presentations.
- \* Receive a subscription to **CEP magazine**, an invaluable resource for engineers. Like to read on the go? Access the latest issues on the new **CEP Mobile App**, for members only.

Belong to **AIChE** and the **Fuels & Petrochemicals Division**.

Join at [www.aiche.org/JoinFPD](http://www.aiche.org/JoinFPD)

## ***Young Professional (YP) October Event Summary***

### **Joint AIChE YP & Society of Women Engineers Event: GTI Tour –29<sup>th</sup> Oct, 19**

October's YP event occurred at the Gas Technology Institute (GTI) where attendees participated in a tour of various facilities on GTI's 18-acre location in Des Plaines, IL.

The evening began with an opportunity to socialize with fellow attendees and GTI representatives while enjoying appetizers and drinks. After a short presentation, attendees witnessed the breadth of GTI's involvement in various facets of the energy sector including energy infrastructure conversion, and end-use applications.

Attendees visited the accredited analytical labs where gas chromatographs have their home and equipment for the analysis of microbial pipeline corrosion is put to use. Other facilities housed plants of various sizes from that of a walk-in closet to those that required multi-story structures - attendees were able to learn from the experts about various processes such as gas processing, gasification, and biomass-to-fuel conversion while asking questions along the way. In the end-use labs, attendees learned how GTI partners with companies to test and improve residential and commercial equipment such as water heaters and furnaces. The AIChE YP are immensely grateful to GTI for providing an outstanding tour that covered much and certainly more than what has been mentioned here (see [www.gti.energy](http://www.gti.energy) for additional details).





**Pictures: Attendees socializing at the GTI Tour**

***Student Outreach: ACS' Chemistry Day  
at Northwestern University– 19<sup>th</sup> Oct, 19***

A trio of YP volunteers introduced Chemistry Day attendees to the Chemical Engineering profession. The theme for the event was "Marvelous Metals," and our station was designated as the "gallium" station. We didn't have any gallium, which will melt in your hand, but we did have chocolate, which will melt in your mouth! After talking to attendees and showing them our Chemical Engineering display board, everyone attended a show of science demos by famed science teacher Lee Marek. There were various suspenseful demos and explosions in-person and on video from Mr. Marek's various appearances on The Late Show with David Letterman. One of our lucky YP volunteers even won himself a prize for participating in a demo - an 8-track tape of vintage Kenny Rogers songs!

**Anyone who would like to get on the mailing list for the Chicago AIChE Young Professionals or assist in organizing events or outreach should email [ypcchicago@googlegroups.com](mailto:ypcchicago@googlegroups.com)**



## Next Generation Manufacturing in Chemical Industry

### Nima Yazdanpanah

**Nima Yazdanpanah is a research scientist at the US Food and Drug Administration (FDA). His research area covers advanced manufacturing and emerging technologies for modernizing the pharmaceutical industry. He is the conference chair of the upcoming Next-Gen Manufacturing Topical Conference at the 2019 AIChE Annual Meeting in Orlando, FL.**

As the chemical process industries (CPI) continue to evolve with new and innovative concepts, new product launches, and the development of new manufacturing techniques, we need to share knowledge, introduce these advancements, facilitate cross-learning, and discuss challenges, gaps, and future trends. The 2019 Next-Gen Manufacturing Topical Conference will provide this opportunity to engage with industry peers, academic researchers, thought leaders, equipment providers, consultants, and regulators. Since the Advanced Manufacturing techniques are multidisciplinary and have various applications, the Next-Gen Manufacturing Topical Conference has become a diverse community where everyone can find a piece pertaining to their own interests. For instance, the topic of Industry 4.0 is an overarching concept that our speakers and audience share a common interest in for different applications in the CPI.

#### **This year we have assembled two Next-Gen Manufacturing tracks:**

1. The Next-Gen Manufacturing track is a very broad track intended to cross-share knowledge and ideas between different communities. The track is oriented around digitalization and new ways of harnessing data, and transforming data to information to process knowledge for modernizing the way we manufacture things. The approach is bi-directional: A) Top-down approach, for instance, how to adopt next-gen manufacturing at the enterprise level; what would be the effect at the process level; and how to implement these techniques. B) Bottom-up approach, for example, how to implement next-gen techniques in a process, at the equipment level, or in corporate culture; what would be the benefit of modernizing manufacturing practice; how to integrate the new methods with other “legacy” processes, and inside the organization. The sessions in this track are mostly new for this year and include:

- Advanced Modelling and Data Systems Applications in Next-Gen Manufacturing
- Big Data and Data Analytics
- Industrial Internet of Things (IIoT) in Process Manufacturing and Beyond
- Digital Twin
- Industry 4.0 and Digital Transformation
- Cybersecurity
- Big Data and Applications in Advanced Modeling and Manufacturing
- Pharma 4.0
- Artificial Intelligence and Advanced Computation

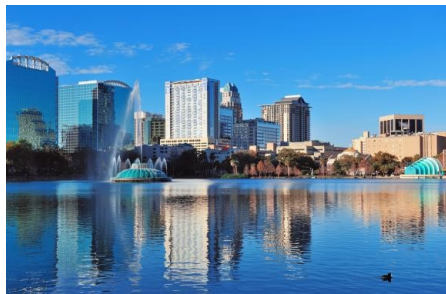
2. The 3D Printing track has significantly expanded over the past three years. The 3D printing/ additive manufacturing technique is the backbone of the track, and the sessions are designed to cover different aspects of the topic: the methodologies and techniques of 3D printing, applications in different sectors, and material development and design specifically for 3D printing applications. We also collaborate with other divisions and forums for particular 3D printing applications, such as bioprinting, and 3D printing of energetic materials, which are not listed here.



## 2019 AIChE Annual Meeting

November 10-15, 2019

Hyatt Regency  
Orlando



**In addition to programming from 22 of AIChE's Divisions and Forums, the 2019 Annual Meeting will feature the following innovative Topical Conferences:**

- Applications of Data Science to Molecules and Materials
- Advanced Fossil Energy Utilization R&D
- Ammonia Energy
- Chemical Engineers in Medicine
- Concentrated Solar Energy for Power Generation and Chemical Processing
- Entrepreneurship in Chemical Engineering -Sponsored by CIEE
- Food Innovation and Engineering
- Innovations of Green Process Engineering for Sustainable Energy and Environment
- Microbes at Biomedical Interfaces
- Next-Gen Manufacturing
- Sensors
- Synthetic & Renewable Fuels

The 3D printing sessions at the conference include:

- 3D Printing Applications in Catalysts, Reactions, and Energy Industry
- 3D Printing of Composites
- 3D Printing of Functional Materials
- 3D Printing in Pharmaceutical and Health Industry
- 3D Printing Fundamental and Applications
- Polymers in Additive Manufacturing

This year we have a special poster session for this topical conference. The poster session is an extension of the main sessions and contains very interesting topics and fascinating research outcomes. The poster session provides greater opportunity for those interested in meeting authors and discussing their research in detail. This year we have an exciting award program for 10 students and young scientists. The awardees are selected from a large pool of applications and will proudly present their poster at the poster session.

In addition, we are collaborating with RAPID to host three sessions on process intensification and modular manufacturing. These sessions nicely fit within the Next-Gen Manufacturing Topical Conference working area as new developments and methods in advancing manufacturing processes, designing more efficient processes, increasing productivity and quality, and reducing cost and resources. These sessions are:

- Process Intensification and Modular Manufacturing: Modular/Advanced Manufacturing
- Process Intensification and Modular Manufacturing: Fundamentals and Applications
- Process Intensification and Modular Manufacturing: Modeling and Simulation

I should express my special gratitude to the AIChE Foundation and Doing a World of Good for the exceptional support and grant funding for awards and our other activities. Also, special thanks to my session chairs and co-chairs for their tireless efforts in putting this conference together. Without their support I couldn't produce such a diverse topical conference and the numerous high-level sessions.

**Nima Yazdanpanah**  
**Research Scientist**  
**FDA**

## MIDWEST REGIONAL CONFERENCE 2020 KEYNOTE SPEAKERS



**Jeff Garascia**

**Chief Innovation Officer**

Jeff Garascia has been the Chief Innovation Officer of Marmon Holdings since July 2017. In this position, Jeff advises presidents of Marmon's ten operating sectors to help stimulate product innovation in their businesses, create new ideas and approaches, and identify innovation talent. Additionally, he is responsible for various "think tank" initiatives, the Marmon Innovation Council, and the Marmon Patent Society. Prior to this Jeff was the Senior Vice President, Growth & Innovation for Marmon Beverage Technologies, leading strategy and innovation teams in areas including engineering, product management, marketing, and consumer research, as well as the research and development center in India. Before joining Beverage Technologies in 2013, Jeff spent seven years with Scotts Miracle-Gro in senior management positions in global strategy, R&D, and business development. He previously was with the Booz, Allen & Hamilton consulting firm for eight years in progressive roles culminating in his appointment as a Principal in the firm. Jeff earned a B.S. in Electrical Engineering from the University of Houston and a M.S. and Ph.D. in Industrial Engineering, both from the University of Cincinnati.

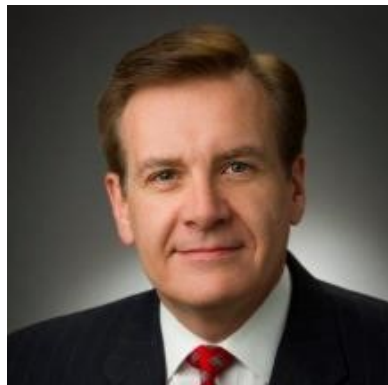


**Matthew Tirrell**

**Professor and Dean**

Matthew Tirrell's research has been in the fields of polymer interfaces, dynamics, fluid phase behavior and nanomedicine. He is particularly known for his work on polymer brushes, surface force measurement, peptide amphiphiles and polyelectrolyte complex phase behavior. In 2011, Matthew Tirrell was appointed as the founding Pritzker Director and Dean of the Faculty of the Institute for Molecular Engineering and established the first University of Chicago engineering program, which he continues to oversee (now the Pritzker School of Molecular Engineering). Professor Tirrell simultaneously served as Deputy Laboratory Director for Science (September 2015 - April 2018) and Chief Research Officer (January 2017 - March 2018) at Argonne National Laboratory. Immediately prior to joining the University of Chicago, he was the Arnold and Barbara Silverman Professor and Chair of Bioengineering at the University of California, Berkeley, with additional appointments in chemical engineering and materials science & engineering, as well as a Faculty Scientist appointment at the Lawrence Berkeley National Laboratory. Dr. Tirrell completed ten years as Dean of Engineering at the University of California, Santa Barbara on June 30, 2009. From 1977 to 1999, he was on the faculty of Chemical Engineering and Materials Science at the University of Minnesota, where he served as department head from 1994 to 1999. Tirrell received a B.S. in Chemical Engineering at Northwestern University in 1973 and a Ph.D. in 1977 in Polymer Science from the University of Massachusetts. He has co-authored about 400 papers and one book, has supervised about 100 Ph.D. students and 50 postdoctoral researchers. Professor Tirrell is a member of the National Academy of Engineering, the National Academy of Sciences, the American Academy of Arts & Sciences and the Indian National Academy of Engineering, and is a Fellow of the American Institute of Medical and Biological Engineers, the AAAS, and the American Physical Society.

## MIDWEST REGIONAL CONFERENCE 2020 KEYNOTE SPEAKERS



**Michael J. Graff,**  
**Chairman, CEO and President, American Air Liquide**

Mike Graff joined Air Liquide in 2007 and currently serves as executive vice president and executive committee member of Air Liquide S.A., chairman and chief executive officer of American Air Liquide Holdings, Inc., chairman of the board of Airgas, and board member of Air Liquide Sante Intl. As executive vice president of the Group's Americas Hub, Graff leads business operations for North America, South America, Central America, and the Caribbean from its Houston, Texas headquarters. He is also the global chairman of the Group's Electronics business line and has oversight for safety and industrial systems worldwide. Graff is a senior executive with over 30 years of experience in the energy, chemicals and polymers industries across the Americas, Asia, and Europe. He began his career with Amoco and BP, plc. and went on to serve as president or chief executive officer of several global chemical and polymer businesses. Graff serves on the board of directors of Westlake Chemical Corporation and is a former director of the Lubrizol Corporation. He also serves on a number of industry and civic boards including as an executive committee member of the American Chemistry Council and as a principal of the Bipartisan Policy Center's American Energy Innovation Council. Graff was a 2016 recipient of the Illinois Institute of Technology's Alumni Association's Professional Achievement Award and is a member of both the University's Board of Trustees and the Armour College of Engineering Board of Advisors. He has served on the New Directions Industrial Advisory Board of Purdue University's department of Chemical Engineering, where he has also been recognized as a recipient of the University's Outstanding Chemical Engineer and Distinguished Engineering Alumni awards. He also serves on the board and executive committee of Children at Risk, and is an active member of The Baker Institute of Rice University, Junior Achievement of Southeast Texas, and the Barbara Bush Literacy Foundation. Graff holds a bachelor's degree in chemical engineering from the Illinois Institute of Technology and a master's degree in chemical engineering from Purdue University. He studied business at the University of Chicago and completed executive management programs at the Wharton School of the University of Pennsylvania, the University of Cambridge, and the Stanford University Law School. Along with his family, Graff participates in a variety of community service programs and activities. He is a strong advocate for STEM education, literacy and youth athletics.

**Act NOW!!**

**Click here to submit for  
Oral Presentation**

## “CALL FOR CONTRIBUTIONS”

### 2020 AIChE

#### Midwest Regional Conference

Chicago, IL – March 11-12, 2020

Hosted by Illinois Institute of Technology

Organized by Chicago Local Section of AIChE



**AIChE**  
MIDWEST  
REGIONAL  
CONFERENCE

#### Programming Areas

- ⇒ Energy and Sustainability
- ⇒ Catalysis and Reaction Engineering
- ⇒ Refining and Petrochemical Processing
- ⇒ Process Safety and Occupational Health
- ⇒ Environmental Compliance and Remediation
- ⇒ Biomedical, Pharmaceutical and Nano-Engineering
- ⇒ Process Engineering, Modeling, Control and Optimization
- ⇒ Fluid Properties, Fluid Dynamics and Transport Phenomena



Submission deadline (EXTENDED): **November 20, 2019**

Submission site: **[tinyurl.com/Submit2MRC2020](https://tinyurl.com/Submit2MRC2020)**

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

#### Submission questions?

Contact the Programming Chair at [chmielewski@iit.edu](mailto:chmielewski@iit.edu)

#### Updated information at:

<https://www.aiche.org/community/sites/local-sections/chicago/new-mrc12-2020>

#### Sponsorship Opportunities

Each year many practitioners, professors and students attend this annual event. Your sponsorship support STEM activities and provides a great avenue to advertise your business. For more information contact [Azita Ahmadzadeh](#) or [Janet Werner](#)

## “SAVE THE DATE”

### 2020 AIChE

#### Midwest Regional Conference

Chicago, IL – March 11-12, 2020

Hosted by Illinois Institute of Technology

Organized by Chicago Local Section of AIChE



The AIChE Midwest Regional Conference continues into its 12<sup>th</sup> consecutive year, with the Chicago Local Section organizing a conference that provides an opportunity for engineers and scientists in the region to learn about new technologies, as well as offer a relaxed atmosphere for networking.

### Important Dates

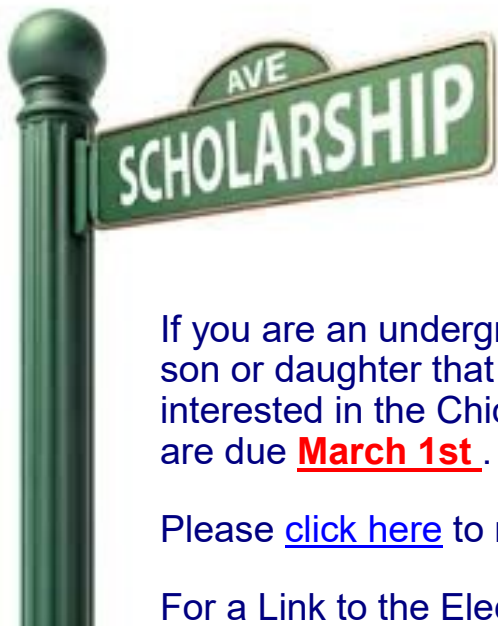
Call for Oral Contributions Opens	August 30, 2019
Call for Oral Contributions Closing Date	November 20, 2019
Notice of Acceptance of Oral Contributions	December 1, 2019
Call for Poster Contributions Closing Date	January 16, 2020
Notice of Acceptance of Poster Contributions	January 23, 2020
Registration Site Opens	November 7, 2019
Early-Bird Registration Deadline	January 31, 2020
Pre-Registration Deadline (On-site rates begin)	February 29, 2020

### Volunteer Opportunities

Interested in helping with MRC 12? Contact the **Conference Chair** and we'll find a role that is of your interest. This is a great occasion to meet new friends and help your technical community.



## 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>

### ***Reminder—Use your credits!***

***AIChE Global professional members get six free credits each year, good for live or archived content, with permanent access to the content selected. If you haven't used all your credits, they will expire at the end of the year.***



***Check out the archived webinars and conference presentations [available at the AIChE website](#), and be sure to renew your membership to get six free credits good for next year!***

## ***Volunteers Needed for Chicago Local Section***

How many opportunities can you find to learn project management, delegation and leadership skills for free? Volunteering with the Chicago Section of AIChE is such an opportunity. While you're learning new skills, your local network grows.

Volunteers are needed to help with:

- Programming – arrange speakers for monthly meetings, and arrange catering and venues
- Logistics – arrange catering and venues
- Newsletter Editor – prepare and publish ten monthly newsletters
- Newsletter Contributions – write meeting summaries, contribute photos, and more
- Engineering Outreach – coordinate three annual K-12 outreach events with high schools and colleges
- Professional Development and Sponsorship – arrange companies to sponsor pre-meeting talks to help fund student dinners
- Awards and Scholarship Committees – Review applications for local Section award and scholarships
- Midwest Regional Conference – many opportunities including programming, logistics, website, advertising, sponsorship, high school outreach, poster session and more!
- Young Professionals – plan socials and programming for young professionals (under 35)

If you are interested in any of these positions, please contact us [aichechicago@gmail.com](mailto:aichechicago@gmail.com).

### **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](#)**

### **[Connect with members & participate in discussions on Engage!](#)**

Check out AIChE's 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.

## **Upcoming AIChE Conferences, Meetings & Webinars**

### **Chicago Local Meetings**

November 19, 2019	Speaker: Dr. Ben Freireich, PSRI
January 24, 2019	Speaker: Dan G. Marginean, Electron Beam Technologies, Inc.

### **AIChE Conferences**

November 6-8, 2019	Polymers and Textiles Conference 2019 Lowell, MA
November 8-11, 2019	2019 Annual AIChE Student Conference, Orlando, FL
November 9-10, 2019	Engineering Cosmetics and Consumer Products Conference 2019, Orlando, FL
November 10-15, 2019	2019 AIChE Annual Meeting, Orlando, FL
November 10 2019	AIChE K-12 STEM Outreach Competition, Orlando, FL
December 2-4, 2019	2nd International Conference on Microbiome Engineering, Boston, MA
December 3, 2019	2019 AIChE Gala, New York, NY
December 4-6, 2019	Cell Free Systems Conference, Boston, MA

### **AIChE Webinars**

November 20, 2019	<u>Pre-start-up Safety Review</u>
December 11, 2019	<u>The Link Between Process Safety and Process Intensification</u>



Officers and Contact Information

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Chair Elect	Jeff Zalc
Chair Programming	Ha Dinh
	Sarika Goel
Secretary	Ben Ketter
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	Pat Shannon
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	Lance Baird
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	Riya Narjari <a href="mailto:rnarjari@hawk.iit.edu">rnarjari@hawk.iit.edu</a>
Newsletter Editors	Azita Ahmadzadeh

## AICHE CHICAGO SECTION

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**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.

AICHE Publicity Committee Fees	Academic (non-AICHE)		Company		Recruiters	
	Per Month	Per Year	Per Month	Per Year	Per Month	Per Year
<b>Advertisements (3X3)</b>	100	450	150	675	N/A	N/A
<b>Half-Page (~7"x 4.5")</b>	280	1260	420	1890	N/A	N/A
<b>Job Posting (Size?)</b>	50	225	100	450	250	N/A
<b>Special Sizing</b>	Contact Publicity Committee <a href="mailto:aichechicago@gmail.com">aichechicago@gmail.com</a>					

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.

