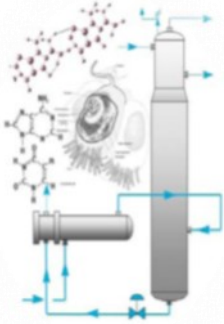


# AIChE Chicago Section

## April 2024 Newsletter



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## AIChE Chicago April Meeting

### *Environmental Liabilities of Coal-Fired Steam Electric Power Generation*



**Jarad L. Champion, P.E., BCEE**

**Principal Engineer**

**Geosyntec Consultants**

**Date:** **Wednesday, April 17, 2024**

**Location:** **Northwestern University,  
Technological Institute (Cohen Commons, L482)**

**Address:** **[2145 Sheridan Rd, Evanston, IL 60208](http://2145.Sheridan.Rd.Evanston.IL.60208)**

**Cost:** **\$40 AIChE Global and Chicago Section Member**  
**\$50 Non-Member**  
**\$15 Unemployed/Retired**  
**\$10 Student**

**Registration and Information:** **<https://cvent.me/4PnvDP>**



### **Agenda:**

5:00 to 5:30 PM Poster setup  
5:30 to 6:30 PM Poster session and registration (Willens Atrium, B260)  
6:30 to 7:30 PM Dinner (Cohen Commons, L482)  
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

Dear AIChE Chicago Section Members,

As we wrap up a fairly mild Chicago winter, I'm looking forward to a few more months in our programming year. I hope that as the weather warms up you all have opportunities to reconnect with friends and colleagues, hopefully at one of our upcoming monthly meetings! I'm excited for what we have coming up to finish out the year.

Reflecting on March, I am immensely proud of the resounding success of the Midwest Regional Conference (MRC). Our annual celebration of research and innovation in chemical engineering and its many adjacencies was full of excellent speakers, fascinating topics, and great outreach opportunities for us to expand outside our typical professional circles. The MRC provided an exceptional platform for networking and learning and I'm incredibly grateful to our dedicated team for pulling off such a fantastic conference.

Looking ahead, we are looking forward to the upcoming poster session at Northwestern University. This event gives us the opportunity to interact with the next generation of chemical engineers, as students from local universities will share work from their projects. These aspiring scientists and engineers are the lifeblood of our profession, and we can all learn from their fresh perspectives on complex problems. At the poster session we will also celebrate the McCormack award winners. These distinguished students from Northwestern, University of Illinois Chicago, and Illinois Institute of Technology embody excellence and it is our privilege to recognize them.

Following the poster session, we are honored to host Jarad Champion, a principal engineer from Geosyntec Consultants, a full-service environmental consulting firm. His talk, titled "Environmental Liabilities of Coal-Fired Steam Electric Power Generation" will dive into the impacts of decades of laws and regulations on this subset of the power industry and some of the unintended consequences of increasingly stringent environmental regulations targeting coal electric power.

I invite you all to join us for this, one of our best meetings of the year. Engage with the bright minds of tomorrow, celebrate the achievements of some impressive students, and enrich your own understanding of pivotal environmental topics.

Warm Regards,

**McKay Rytting**

AIChE Chicago Section Chair



**Cont. from Page 1**

## April Meeting information

### **Biography:**

Jarad Champion is a licensed chemical engineer in multiple states and a current board member of the American Institute of Chemical Engineers Chicago Section. He is also a board-certified environmental engineer by the American Academy of Environmental Engineers and Scientists. He holds a B.S. in chemical engineering from the University of Illinois at Urbana-Champaign and a M.S. in environmental engineering and science from Northwestern University. He has more than 18 years of experience consulting on hazardous waste remediation and industrial water projects. Mr. Champion's professional activities cover industrial compliance with stormwater and wastewater regulations, hazardous waste remediation, and litigation support throughout the midwest. He is involved in all stages of project management and implementation, from developing environmental strategies, preparing conceptual-level cost estimates, to sealing final designs, and acting as a prime contractor on construction projects. He is currently a principal engineer with a full-service environmental consulting firm, Geosyntec Consultants.



### **Abstract:**

Mr. Champion will be presenting on how the establishment of environmental laws and the promulgation of regulations have affected the coal-fired steam electric generation industry. Over the course of six decades, increasingly stringent environmental regulations specifically targeting coal electric power have resulted in increasing environmental liabilities that will persist beyond power plant closures. Mr. Champion will cover a couple project examples of how chemical and environmental engineering overlap for project solutions. This presentation has been tailored for a university setting.

**Registration:** <https://cvent.me/29n1m5>

**Parking:**

<https://www.northwestern.edu/transportation-parking/evanston-parking/index.html>

## **April Meeting McCormack Awards**

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.



## AICHE Chicago Section Poster Competition

Wednesday, April 17, 2024

5:30 PM – 6:30 PM

Northwestern University Technological Institute, Evanston, IL  
Willens Atrium (B260)

Submission by Sunday, April 14, 2024

Submit title and abstract (500 words maximum) to  
Adam Kanyuh - [Adam.Kanyuh@Honeywell.com](mailto:Adam.Kanyuh@Honeywell.com)

**Prizes:** Gift cards to the top undergraduate and graduate students

**More Information:** 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 Adam Kanyuh  
([Adam.Kanyuh@Honeywell.com](mailto:Adam.Kanyuh@Honeywell.com))

### ***Poster Judges Needed!***

Judges are needed for the student poster competition that will be held at the **April 17** 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 [Adam.Kanyuh@Honeywell.com](mailto:Adam.Kanyuh@Honeywell.com) if you would be willing to assist.

## Countdown to the AIChE Chicago Centennial

The Chicago Section was the first section in AIChE, and the upcoming 2024-2025 programming year will mark its 100-year anniversary! Please view [our website](#) to read more about our past.

Various historical files from our archives will be highlighted as part of the countdown to this celebrated milestone.

The below scan is a bulletin extending an invitation to the first regular meeting of the section, which was held on January 16, 1925 at the Western Society of Engineers office and attended by six members.

*File*

CHICAGO SECTION  
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

Jan. 7th, 1925.

Dear Sir:-

The Council of the American Institute of Chemical Engineers has unanimously approved the application for a Chicago Section, together with the local officers elected for 1925.

The first regular meeting of the Chicago Section will be held Friday, January 16th, 1925 at 7:30 P.M. in the rooms of the Western Society of Engineers (17th Floor, Monadnock Block, 53 W. Jackson Blvd., Chicago).

The business of this meeting will be to consider the proposed By-Laws, copy of which is enclosed herewith. Please come prepared to discuss this question.

After the business of the meeting is disposed of there will be shown a very interesting six reel film of The Life of Pasteur. We have been fortunate to obtain the use of this film which was presented to The United States Government by The French Government.

As this is the initial meeting of the Chicago Section, it is hoped that each member will make a personal effort to be present.

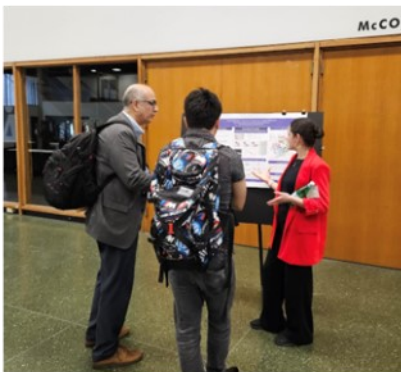
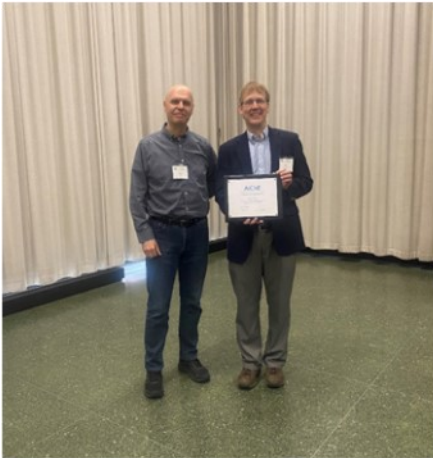
Very truly yours,

Secretary-Treasurer,  
5410 Cornell Ave.,  
Chicago, Ill.

OBJ:BL.  
incl.

TIME: 7:30 P.M.  
PLACE: Rooms of Western Society of Engineers.

# Midwest Regional Conference 2024 Photos



## NOMINATIONS FOR 2024-25 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 2024-25 Fiscal year.

Please submit nominations via email to:

McKay Rytting ([bmckayrytting@gmail.com](mailto:bmckayrytting@gmail.com)) or

Matt Walters ([walters.matthew.scott@gmail.com](mailto:walters.matthew.scott@gmail.com))

The nomination deadline is **April 26**.



### [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.

Thread Subject	Replies	Last Post
<a href="#">Improving Soft Skills Through Mentorship article- Aiche/CEP December 2020 CEP</a>	0	9 hours ago by ch...
<a href="#">PhD Thesis</a>		
<a href="#">Pressure setting for manway cover for tank emergency v...</a>		Original post by Rohit Korde
<a href="#">Digitalization in the process industry</a>		yesterday by John Braccil Original post by Rohit Korde
<a href="#">Slow Progress of New-Age Tools in Chemical Engineering</a>	6	3 days ago by Jacob Albrecht Original post by Kushal Sinha



## 2024 AIChE Chicago Meeting Schedule and Speakers

Month	Date	Speaker	Affiliation	Topic
Apr	17th	Jarad Champion	Geosyntec Consultants	Environmental Liabilities of Coal-Fired Steam Electric Power Generation

## Upcoming AIChE Conferences, Meetings and Webinars

### AIChE Conferences

Apr 21-24, 2024	<a href="#">2024 mRNA Technology Conference</a> , Revere Hotel Boston Common, Boston, MA, USA
Apr 22-24, 2024	<a href="#">5th Engineering Cosmetics and Consumer Products Conference</a> , Le Méridien Philadelphia, Philadelphia, PA, USA
Apr 24-26, 2024	<a href="#">2024 DIERS Virtual Spring Meeting</a> (virtual)
May 6-8, 2024	<a href="#">Middle East Process Engineering Conference &amp; Exhibition (MEPEC) 2024</a> , Dhahran Expo, Kingdom of Saudi Arabia
May 6-8, 2024	<a href="#">Quantum Computing and Artificial Intelligence Applications Workshop</a> , Technical University of Denmark, Copenhagen, Denmark
May 6-9, 2024	<a href="#">Offshore Technology Conference</a> , NRG Park, Houston, TX, USA

### AIChE Webinars

Apr 30, 2024	<a href="#">Hydrogen Fueling Station Safety</a>
May 1, 2024	<a href="#">Streamlining Permit-to-Work Processes With a Digital Solution</a>
May 9, 2024	<a href="#">Statistical Modeling of Multivariate Process Parameters</a>

## Chicago ACS News and Upcoming Meeting

The Chicago sections of ACS and AIChE traditionally hold a joint meeting in January, but that does not mean the collaboration has to stop there! Please check out the latest Chicago ACS news and consider attending their next general meeting.

Chicago ACS bulletin:

<https://chicagoacs.org/news.php>

April Monthly Program Event

[April 20 Earth Day Chicago Park Clean-up](#)

Next Chicago ACS general meeting:

[May 17 with Professor Eric Jacobsen, Harvard University](#)





## 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 professional 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.

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).

## Young Professionals Committee (YPC) Chicago Section

AIChE's Young Professionals Committee (YPC) Chicago Section was created to start and maintain young professionals' involvement in AIChE after graduation and to ensure that students retain their membership through their transition into the work force.

We enthusiastically welcome all people with a degree in Chemical Engineering, including those currently working in industry and academia, recent graduates, and those pursuing other paths. We also welcome current students – both undergraduate and graduate – to our events.

The Chicago YPC exists as a subset of the AIChE Chicago section.

Our goal is to provide technical, career, and networking opportunities to young Chemical Engineering professional in the Chicagoland area. To accomplish this, we seek to provide a variety of technical and social activities, provide outreach and volunteering opportunities, and to create programming that will appeal to ChemE's under the age of 35.

Website: <https://www.aiche.org/community/sites/local-sections/chicago/young-professionals>

Email us: [yp.aichechicago@gmail.com](mailto:yp.aichechicago@gmail.com)

Connect with us: We have a facebook group under YPC Chicago!

Join our mailing list: We have google group under ypcchicago!

## **Why Renew Your AIChE Membership?**

**Renew your membership now to keep learning and growing.**

Renew Membership



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

- Subscription to AIChE's flagship publication: CEP\*
- Education—Access to e-learning courses and instructor-led training, offering Continuing Educations Units and PDHs
- Access to CareerEngineer—a comprehensive job site tailored to chemical engineers
- Access to the AIChE eLibrary—a wealth of information from Knovel Life Sciences and the McGraw-Hill AccessEngineering Library collections

**[View COMPLETE benefits](#)**

### **AIChE Volunteer and Meeting Attendee Conduct Guidelines**

AIChE's volunteers are the core of the Institute and make all of its programs, conferences and educational efforts possible. These offerings provide excellent opportunities for AIChE members and meeting attendees to gain greater technical expertise, grow their networks, and enhance their careers. AIChE events provide engineers, scientists, and students a platform to present, discuss, publish and exhibit their discoveries and technical advances.

At all times, volunteers and meeting attendees should act in accordance with AIChE's Code of Ethics, upholding and advancing the integrity, honor and dignity of the chemical engineering profession. AIChE's Board of Directors has developed these guidelines to foster a positive environment of trust, respect, open communications, and ethical behavior. These guidelines apply to meetings, conferences, workshops, courses and other events organized by AIChE or any of its entities and also to volunteers who conduct other business and affairs on behalf of AIChE.

#### **Specifically**

1. Volunteers and meeting attendees should understand and support AIChE's Code of Ethics.
2. Volunteers and meeting attendees should contribute to a collegial, inclusive, positive and respectful environment for fellow volunteers and attendees, and other stakeholders, including AIChE staff.

3. Volunteers and meeting attendees should avoid making inappropriate statements or taking inappropriate action based on race, gender, age, religion, ethnicity, nationality, sexual orientation, gender expression, gender identity, marital status, political affiliation, presence of disabilities, or educational background. We should show consistent respect for colleagues, regardless of discipline, employment status, and organizations for which they work, whether industry, academia, or government.
4. Disruptive, harassing or other inappropriate statements or behavior toward other volunteers, members, and other stakeholders, including AIChE staff, is unacceptable.
5. Volunteers and meeting attendees should obey all applicable laws and regulations of the relevant governmental authorities while volunteering or attending meetings. Volunteers and meeting attendees taking part in any AIChE event, including the ChemECar Competition™, should also comply with all applicable safety guidelines.

Violations of this conduct policy should be reported promptly to the AIChE President or Executive Director.

**[Read AIChE's Code of Ethics](#)**

## AICHE CHICAGO SECTION

**AICHE Chicago Section**  
**2501 Chatham Rd Ste N**  
**Springfield, IL 62704**  
[aichechicago@gmail.com](mailto:aichechicago@gmail.com)

<https://www.facebook.com/AICHEChicagoSection>

<https://www.linkedin.com/groups/4538581>

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

**Follow  
 AICHE  
 Chicago  
 Online**

### Officers and Committee Members

Chair	<i>McKay Rytting</i>
Chair Elect	<i>Matt Walters</i>
Past-Chair	<i>Sarika Goel</i>
Programming	<i>Aida Amini Rankouhi</i>
	<i>Yechan Won</i>
Treasurer	<i>Adam Kanyuh</i>
Secretary	<i>Rishabh Jain</i>
Directors at Large	<i>Jarad Champion</i>
	<i>Janet Werner</i>
	<i>Reza Mostofi</i>
House Committee	<i>Lance Baird</i>
	<i>Kashif Uddin</i>
Publicity Committee	<i>Sanaz Taghvaii Arabi</i>
Young Professionals Committee	<i>Allison Nordvall</i>
Newsletter Editors	<i>Rosmer Chirino</i>
	<i>Alfred Sunaryo</i>
	<i>Robert Tsai</i>
	<i>Yechan Won</i>

## We want you for AICHE-Chicago!

AICHE is committed to promoting a fair, just, and equitable profession and society. AICHE believes that all who wish to be a part of the chemical engineering community should have equal opportunity to pursue and achieve success. We work toward a better future for all — through our technical expertise; through how we inspire, engage, retain, and advance future talent; and through how we treat each other within and beyond the profession.

[AICHE Equity, Diversity, and Inclusion Statement | AICHE](#)

## We need your help!

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[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.

