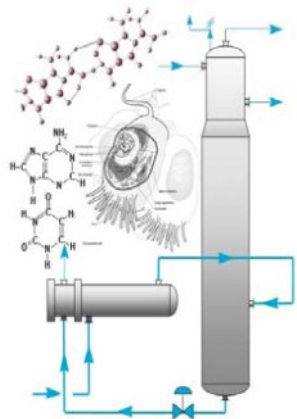


AIChE Chicago Section

March 2024 Newsletter



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Midwest Regional Conference (MRC)

March 5-6, 2024

Illinois Institute of Technology

Organized by Chicago Local Section of AIChE, with support from AIChE Global



KEYNOTE SPEAKERS

Mike Pires

Vice President, Americas

Air Products



Venkat Srinivasan

Director, ACCESS

Argonne National Laboratory



Jeff Greeley

Professor of Chemical Engineering

Purdue University



Meenesh Singh

Professor of Chemical Engineering

University of Illinois Chicago



Karen Vilas

President, FORTRESS Protective Buildings

BakerRisk



[Conference Registration](#)

Chair's Corner

Hello AIChE Chicago Section,

As we March into Spring, I trust that you're as excited as I am about the warm days and exciting opportunities that lie ahead.

Our visit to Spraying Systems last month proved to be a rewarding deviation from our conventional gatherings. We learned about their innovative core technologies with applications in energy storage, chemical processing, and powder manufacturing, and were also treated to some new products they have developed for cleaning and disinfection applications. It was fascinating to see how their cutting-edge technologies are developed and applied first-hand during our tour of their lab. I want to extend my appreciation to them again for being such engaging and gracious hosts.



Looking forward to the month ahead, one of the most anticipated events on our calendar is the 2024 Midwest Regional Conference. Happening on March 5-6 at Hermann Hall at the Illinois Institute of Technology, we are excited for the technical presentations, poster sessions, and high school outreach the conference provides. We're excited to confirm Karen Vilas, President of FORTRESS Protective Buildings and Jeffrey Greeley, Professor of Chemical Engineering at Purdue University as our additional keynote speakers, joining Mike Pires, Venkat Srinivasan, and Meenesh Singh. I'm sure many of you share my enthusiasm about hearing from these industry and academic leaders. More details on the conference can be found in the newsletter. Our March monthly meeting will be held alongside the conference and both the conference and monthly meeting will confer Professional Development Hours. We hope both events will offer great networking opportunities, intellectual growth, and professional development.

Thank you for your continued dedication, and I look forward to connecting with you at our meetings and the conference

McKay Rytting

AIChE Chicago Section Chair 2023-24

2024 MIDWEST REGIONAL CONFERENCE**KEYNOTE SPEAKERS****Mike Pires**

*Vice President, North and Central Commercial Enablement, Americas
Air Products*

**Speaker's Bio:**

Mike Pires is responsible for the growth and profitability of the company's Industrial Gases business in the Northern U.S. In addition, he has executive leadership responsibility for the Americas Strategy, Marketing and Technology, and Americas Procurement and Strategic Sourcing organizations.

Mr. Pires has over 25 years of experience in the industrial gas industry, working for BOC Gases, ABCO Welding & Industrial Supply, Gerdau, and Air Products. He began his career at Air Products as a senior account executive. From 2013-2017, Mr. Pires served as Midwest area manager and was pivotal in improving the company's strategically acquired carbon dioxide business and driving meaningful growth in the existing Industrial Gases business. He was named Commercial Director, Northern Region, in 2017, followed by Director, Americas Strategy, Marketing and Technology, in 2019. In 2020, Mr. Pires was appointed Vice President and General Manager, North Region, Americas before assuming his current position.

Mr. Pires holds a B.S. degree in business from Muhlenberg College and an MBA from Lehigh University

2024 MIDWEST REGIONAL CONFERENCE**KEYNOTE SPEAKERS****Status of Batteries for Transportation and Grid Decarbonization****Venkat Srinivasan**

Director, Argonne Collaborative Center for Energy Storage Science (ACCESS)

Argonne National Laboratory

**Speaker's Bio:**

Venkat Srinivasan is the Director of the Argonne Collaborative Center for Energy Storage Science (ACCESS) and Deputy Director of the Joint Center for Energy Storage Research (JCESR).

ACCESS provides the vision and coordinates the energy storage programs at Argonne and serves as a point of entry for industry to take advantage of the unique capabilities and facilities at Argonne to solve their problems in energy storage. JCESR is a national program led by Argonne that focuses on next-generation energy storage research that goes beyond lithium-ion technology.

He is a former staff scientist at Lawrence Berkeley National Laboratory. His research interest is developing next-generation batteries for vehicle and grid applications, among other things. Dr. Srinivasan and his research group develop continuum-based models for battery materials and combine them with experimental characterization to help design new materials, electrodes, and devices.

In addition to his research, Dr. Srinivasan is interested in moving technologies to market and has been exploring ways to develop an ecosystem, focused on batteries, to accelerate technology commercialization. In this role, Dr. Srinivasan conceived the idea of CalCharge, a one-of-a-kind public-private partnership in energy storage.

Dr. Srinivasan has previously served as the technical manager of the Batteries for Advanced Transportation Technologies (BATT) Program, as the acting director of the BATT program, as department head of the Energy Storage and Distributed Resources (ESDR) department at LBNL, and the interim director of the ESDR Division at LBNL. Dr. Srinivasan joined the scientific staff at LBNL in 2003 after postdoctoral studies at the University of California, Berkeley and Pennsylvania State University. He received his PhD from the University of South Carolina in 2000.

He is also the author of a popular battery blog titled, "This Week in Batteries."

2024 MIDWEST REGIONAL CONFERENCE**KEYNOTE SPEAKERS****Jeff Greeley**

*Charles and Nancy Davidson Professor of Chemical Engineering
Purdue University*

**Speaker's Bio:**

Prof. Jeffrey Greeley obtained his PhD from Department of Chemical Engineering at the University of Wisconsin-Madison in 2004. Following two years of postdoctoral work at the Technical University of Denmark, he moved to Argonne National Laboratory, where he served for six years as a staff scientist in the Center for Nanoscale Materials before joining the Davidson School of Chemical Engineering at Purdue University in 2013.

Professor Greeley's research group at Purdue focuses on the use of first principles Density Functional Theory calculations to understand chemical processes at surfaces and interfaces. His primary interests are in the areas of heterogeneous catalysis and electrocatalysis, and his work has led to the prediction and successful testing of improved heterogeneous catalysts and electrocatalysts for reactions of interest in fuel cells, electrolyzers, and related devices. He has published over 200 research articles in this field.

2024 MIDWEST REGIONAL CONFERENCE**KEYNOTE SPEAKERS****Nitrogen Electrochemistry to Support DOE's Energy Earthshots****Meenesh Singh***Associate Professor**University of Illinois Chicago***Speaker's Bio:**

Dr. Singh is an associate professor in the Department of Chemical Engineering and the director of the Materials and Systems Engineering Lab (MaSEL) at the University of Illinois Chicago (UIC), where his research group is developing state-of-the-art computational and experimental tools to solve grand challenges of the 21st century: (1) develop carbon sequestration methods, (2) manage the nitrogen cycle, (3) provide access to clean water, and (4) engineer better medicines.

Dr. Singh obtained his B. E. degree in chemical engineering from Sardar Patel University in 2005, M. Tech. Degree in chemical engineering from Indian Institute of Technology Bombay in 2008 and Ph.D. in chemical engineering from Purdue University in 2013. His research resulted in 7 patents (3 licensed), > 60 publications, 2 book chapters, 5 open-source software, >100 presentations at international conferences, and 28 invited talks. His research lab has been awarded multi-million dollars to support the development of disruptive technologies through a strong/continued collaboration with 7+ multinational companies. He has supervised 5 Ph.D. students and is currently advising 5 Ph.D. students, 3 postdocs, and several undergraduate students. He is a faculty advisor for AIChE Chem-E-Car and an editorial board member for 5 scientific journals, including Chemical Engineering Research & Design (Elsevier) and Sustainable Chemistry (MDPI). He is also the CTO of eN-RAMPS, a company that focuses on the scale-up and commercialization of technologies developed in his lab at UIC.

AIChE CHICAGO MARCH DINNER MEETING

Leadership, Innovation, and the Pursuit of Legacy: From Chemical Engineer to FORTRESS Protective Buildings

Karen Vilas

President, FORTRESS Protective Buildings

BakerRisk



Date: **Tuesday, March 5, 2024**

Location: **Illinois Institute of Technology
Hermann Hall**

Address: [3241 S Federal St, Chicago, IL 60616](https://www.illinois.edu/3241-s-federal-st-chicago-il-60616)

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

Registration and Information: <https://cvent.me/yyQeOD>

Speaker's Bio:

Recognized globally as a leader in process safety, Karen's career has focused on Facility Siting Studies and Quantitative Risk Analyses for oil & gas and petrochemical facilities. Beginning in 2019, Karen helped to establish the Low Carbon Energy service offerings within BakerRisk, leading the Hydrogen and Hydrogen Carriers initiatives within the organization. Karen has been an active member of AIChE and AIChE's Center for Hydrogen Safety for many years including working with the CHS Organizing Committee in 2022.

In August 2022, Karen became President of FORTRESS Protective Buildings, a wholly owned subsidiary of BakerRisk. As a new market offering, FORTRESS provides multi-hazard resistant buildings (MRBs) for facilities handling hazardous materials. Since joining FORTRESS, Karen has leveraged her background and collaborated with clients to provide risk mitigation and risk management solutions by focusing on providing high quality, highly protective buildings to industries that handle flammable, toxic, or explosive materials.

Note: MRC and dinner meeting [registrations](#) are combined as one event, with option to select one (or both) to attend. You do not need to attend the Midwest Regional Conference to register for this keynote talk.

2024 MIDWEST REGIONAL CONFERENCE TECHNICAL PROGRAM



Tuesday, March 5th

Start Time	End Time		Presenter	Affiliation
Day 1 - Track 1				
8:15 AM	8:30 AM	Conference Introduction		
8:30 AM	9:30 AM	Keynote Introduction: Mike Pires, Air Products		
9:30 AM	9:50 AM	Break		
9:50 AM	11:30 AM	Session I: Energy Storage I Session Chair: Hakim Iddir Session Co-Chair: Juan Garcia		
9:50 AM	10:15 AM	Enhancing Solid Polymer Electrolytes for All-Solid-State Batteries	Ahmad Helaley	Washington University in St. Louis
10:15 AM	10:40 AM	Predicting Energy Consumption in Lithium-Ion Gigafactories	Kevin Knehr	Argonne National Laboratory
10:40 AM	11:05 AM	Enhanced Performance of Lithium-Ion Batteries By Atomic Layer Deposition	Xinhua Liang	Washington University in St. Louis
11:05 AM	11:30 AM	Earth Abundant Elements Distribution and Domain Structure in Li-Rich Mn-Rich Based Cathode Materials	Juan Garcia	Argonne National Laboratory
11:30 AM	12:45 PM	Lunch - High School Outreach		
12:45 PM	1:45 PM	Keynote Introduction: Venkat Srinivasan, ANL		
1:45 PM	2:00 PM	Break		
2:00 PM	3:15 PM	Session II: Energy Storage II Session Chair: Hakim Iddir Session Co-Chair: Juan Garcia		
2:00 PM	2:25 PM	Assessing Particle Degradation in Thermochemical Energy Storage through Imaging	Spenser Vasich	Michigan State University
2:25 PM	2:50 PM	Upgrading Sustainable Materials into Specialized Flow Battery Chemistries	Patrick Sullivan	Flux XII Inc.
2:50 PM	3:15 PM	Negative Electrodes Performance of Lead-Acid Batteries: Analysis from Modeling Cyclic Voltammetry Responses	Mohammed Effat	Argonne National Laboratory
3:15 PM	3:30 PM	Break		
3:30 PM	4:45 PM	Session III: Fluid Properties, Fluid Dynamics, & Transport Phenomena Session Chair: Hadjira Iddir Session Co-Chair: Paul Vesely		
3:30 PM	3:55 PM	Prediction of Densities in Fluidized Bed Strippers for Various Types of Internals	Allan Issangya	Particulate Solid Research, Inc. (PSRI)
3:55 PM	4:20 PM	Using Network Theory to Gain Novel Insights on Flow and Dynamics of Dense Suspensions: Node and Edge Centric Methods	Alessandro d'Amico	Case Western Reserve University
4:45 PM	5:45 PM	Poster Session		
5:45 PM	7:30 PM	AIChE Local Section Dinner		
		Keynote Introduction: Karen Vilas, BakerRisk		

2024 MIDWEST REGIONAL CONFERENCE TECHNICAL PROGRAM



Tuesday, March 5th

Start Time	End Time		Presenter	Affiliation
Day 1 - Track 2				
8:15 AM	8:30 AM	Conference Introduction		
8:30 AM	9:30 AM	Keynote Introduction: Mike Pires, Air Products		
9:30 AM	9:50 AM	Break		
9:50 AM	11:30 AM	Session I: Green Engineering Session Chair: Trevor Lardinois		
9:50 AM	10:15 AM	Validation of Passive Solar Dehydrator for Fruit Drying Applications: A Pineapple Study	Paige Bowman Charles Strnad	Milwaukee School of Engineering
10:15 AM	10:40 AM	Numerical Modeling of Electrochemical CO₂ Reduction Reaction (eCO₂RR) in a Batch-Cell	Ahmad Ijaz	Illinois Institute of Technology
10:40 AM	11:05 AM	Breaking Frontiers in Selective Electroreduction of CO₂ to Ethylene Under Controlled Catalyst Regeneration	Nitin Minocha	UIC
11:05 AM	11:30 AM	Electrochemical One-Pot systems for advancing Carbon Capture and Utilization in simulated Flue Gas conditions.	Rohan Sartape	UIC
11:30 AM	12:45 PM	Lunch - High School Outreach		
12:45 PM	1:45 PM	Keynote Introduction: Venkat Srinivasan, ANL		
1:45 PM	2:00 PM	Break		
2:00 PM	3:15 PM	Session II: Process Safety I Session Chair: Jessica Morris Session Co-Chair: Zac Adesanya		
2:00 PM	2:25 PM	Important Characteristics of an Effective Process Safety Knowledge Management System	Tekin Kunt	PSRG Inc.
2:25 PM	2:50 PM	Process Safety of Combustible Dust, the Dust Hazard Analysis	Danielle Kittaka	Fauske and Associates
2:50 PM	3:15 PM	Hazardous Waste Generators and Treatment Facilities: Hazardous Waste Characteristics, Rcra, and Treatment Technologies	Trevor Lardinois	Exponent Inc
3:15 PM	3:30 PM	Break		
3:30 PM	4:45 PM	Session III: Process Safety II Session Chair: Jessica Morris Session Co-Chair: Zac Adesanya		
3:30 PM	3:55 PM	Hazardous Area Classification	Calvin Doty	Baker Risk
3:55 PM	4:20 PM	Shelter in Place	Sajjid Odeh	Baker Risk
4:45 PM	5:45 PM	Poster Session		
5:45 PM	7:30 PM	AIChE Local Section Dinner		
		Keynote Introduction: Karen Vilas, BakerRisk		

2024 MIDWEST REGIONAL CONFERENCE TECHNICAL PROGRAM



Wednesday, March 6th

Start Time	End Time		Presenter	Affiliation
Day 2 - Track 1				
8:25 AM	8:30 AM	Conference Introduction		
8:30 AM	9:30 AM	Keynote Introduction: Jeff Greeley, Purdue		
9:30 AM	9:50 AM	Break		
9:50 AM	11:30 AM	Session I: Advances in Refining / Materials Session Chair: Jason Wu Session Co-Chair: Nick Schulman		
9:50 AM	10:15 AM	Soap Removal from Crud Biodiesel Using Emulsion Liquid Membrane System	Adeeb Hayyan	Universiti Malaya
10:15 AM	10:40 AM	Integration of reconciliation infrastructure for refinery scheduling model tuning	Sean R. Werner	ExxonMobil Technology and Engineering Company (EMTEC)
10:40 AM	11:05 AM	Metal-Organic Frameworks at Numat™: A Decade of Innovation, High-Tech Manufacturing, and Future Growth.	William Morris	NuMat
11:05 AM	11:30 AM	Petrochemical Transformation: Overcoming Challenges in the Olefins Industry with Naphtha to Ethane/Propane (NEP) Technology	Robert Szczesniak	Honeywell UOP
11:30 AM	12:45 PM	Lunch		
12:45 PM	1:45 PM	Keynote Introduction: Meenesh Singh, UIC		
1:45 PM	2:00 PM	Break		
2:00 PM	3:15 PM	Session II: Machine Learning / Optimization I Session Chair: Mohammed Effat Session Co-Chair: David Neira		
2:00 PM	2:25 PM	Early Detection of Catalyst Transfer Pipe Plugging Using Temperature Signal Analysis	Holly Butcher	Honeywell UOP
2:25 PM	2:50 PM	Importance Learning Analysis of Ethylene Polymerization By a Single-Atom Cr/SiO₂ Catalyst	Changhae Andrew Kim	University of Illinois Urbana-Champaign
2:50 PM	3:15 PM	Logic-Based Discrete-Steepest Descent: A Solution Method for Process Synthesis Generalized Disjunctive Programs	Albert Lee	Purdue University
3:15 PM	3:30 PM	Break		
3:30 PM	4:45 PM	Session III: Machine Learning / Optimization II Session Chair: Mohammed Effat Session Co-Chair: David Neira		
3:30 PM	3:55 PM	Optimizing Reverse Electrodialysis Process for Renewable Electricity Generation from Salinity Gradient	Carolina Tristan	Purdue University
3:55 PM	4:20 PM	Graph-Based Representations and Applications to Process Simulation	Yoel Cortes-Pena	University of Illinois at Urbana-Champaign
4:20 PM	4:45 PM	A Water-Energy-Food Nexus Framework to Improve Resource Security	Brenda Cansino Loeza	University of Wisconsin-Madison
4:45 PM	6:00 PM	Happy Hour Hosted by CLS YP (all welcome)		

2024 MIDWEST REGIONAL CONFERENCE TECHNICAL PROGRAM



Wednesday, March 6th

Start Time	End Time		Presenter	Affiliation
Day 2 - Track 2				
8:25 AM	8:30 AM	Conference Introduction		
8:30 AM	9:30 AM	Keynote Introduction: Jeff Greeley, Purdue		
9:30 AM	9:50 AM	Break		
9:50 AM	11:30 AM	Session I: Bioengineering and Nanotechnologies Session Chair: Meltem Demirtas Session Co-Chair: Wujie Zhang		
9:50 AM	10:15 AM	Quantum Mechanical Modeling of Enzyme Promiscuity: Application to Carboligases	Geoffrey Bonnanzio	Northwestern University
10:15 AM	10:40 AM	Long-Term Antibody Release Polycaprolactone Capsule and the Release Kinetics in Natural and Accelerated Degradation	Thomas Waterkotte	University of Cincinnati
10:40 AM	11:05 AM	High-Throughput Screening of <i>E. coli</i> Ghosts Against 314 G-Protein Coupled Receptors (GPCRs)	Christopher Vidmar	University of Iowa
11:05 AM	11:30 AM	A Wide Look at MXene-based CO₂ Reduction Electrocatalysts: Pioneering Pathways for Green Formaldehyde Production	Sixbert P. Muhoza	Argonne National Laboratory
11:30 AM	12:45 PM	Lunch		
12:45 PM	1:45 PM	Keynote Introduction: Meenesh Singh, UIC		
1:45 PM	2:00 PM	Break		
2:00 PM	3:15 PM	Session II: Catalysis I Session Chair: Aditya Prajapati Session Co-Chair: Shri Dawande		
2:00 PM	2:25 PM	Highly Selective and Stable Pt-Co Bimetallic Catalysts Prepared By Atomic Layer Deposition for Unsaturated Aldehyde Hydrogenation	Kaiying Wang	Washington University in St. Louis
2:25 PM	2:50 PM	Enzymatic Hydrolysis of 3-Monochloropropane-1,2-Diol Esters Using Deep Eutectic Solvents	Adeeb Hayyan	University of Malaya
2:50 PM	3:15 PM	Process Design, Scaling, and Integration of Catalytic Reactor and Separation Sections for Dehydration of Lactic Acid to Acrylic Acid	Christopher P. Nicholas	Lakril Technologies Corporation
3:15 PM	3:30 PM	Break		
3:30 PM	4:45 PM	Session III: Catalysis II Session Chair: Aditya Prajapati Session Co-Chair: Shri Dawande		
3:30 PM	3:55 PM	DFT Analysis of Surface-Bound Nitrogen Species Under N₂ Plasma Exposure	Chang Yan	University of Notre Dame
3:55 PM	4:20 PM	Structure and Tunable Nature of Heterogenized Molecular Catalysts Developed By Oxidative Grafting	Jacklyn Hall	Argonne National Laboratory
4:20 PM	4:45 PM	Two-Phase Reactors and Population Balance Models for Polymer Upcycling	Changhae Andrew Kim	Urbana-Champaign
4:45 PM	6:00 PM	Happy Hour Hosted by CLS YP (all welcome)		

2024 MRC Conference Sponsors

Conference Sponsors

The Chicago Section of the AIChE is grateful for the generous support of our Conference Sponsors!

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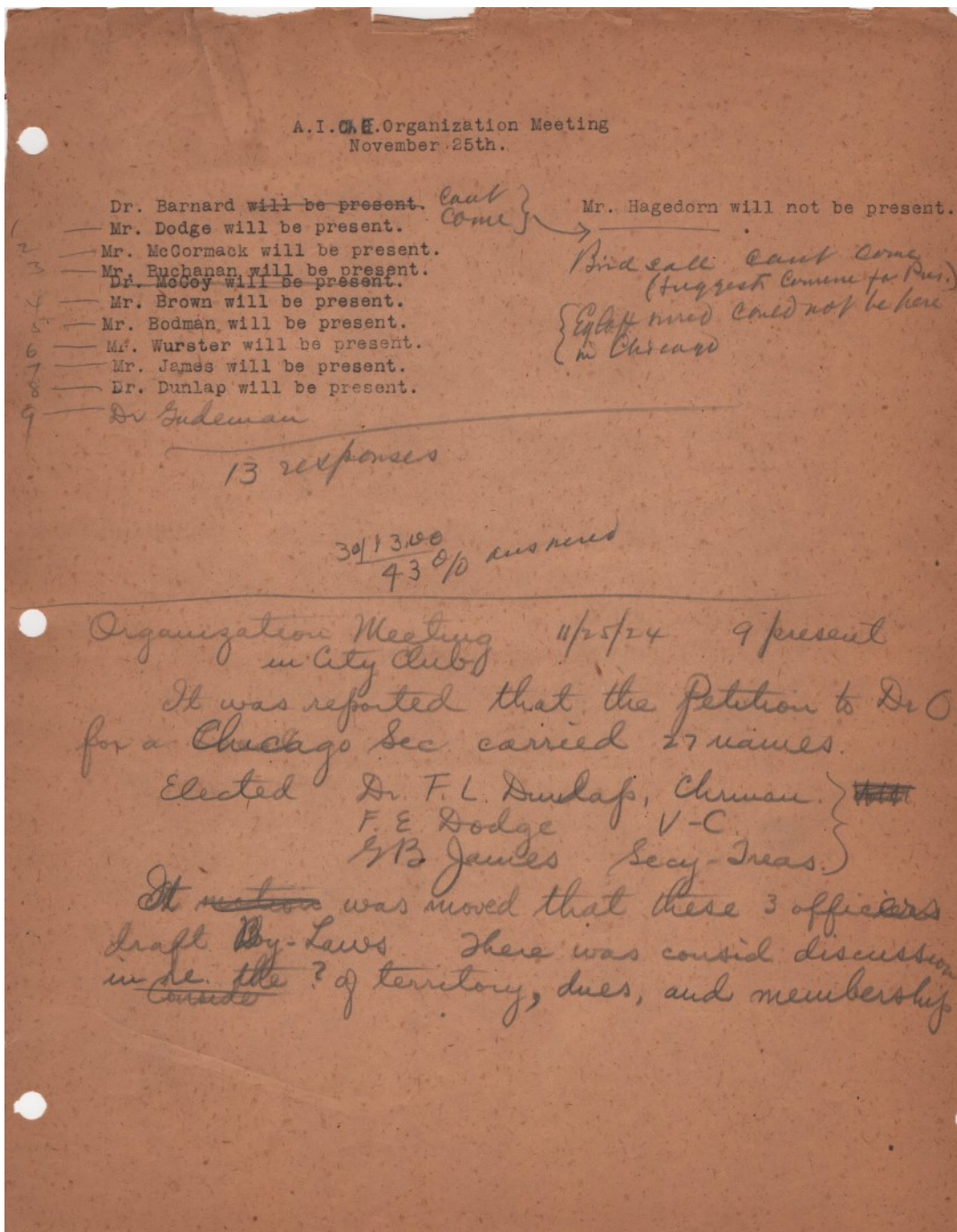


Countdown to the AIChE Chicago Centennial

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 note from the first organizing meeting held on November 25, 1924, about a month after the petition to National to form a section was submitted.





March is Women's History Month The Library of Congress, National Archives and Records Administration, National Endowment for the Humanities, National Gallery of Art, National Park Service, Smithsonian Institution and United States Holocaust Memorial Museum join in commemorating and encouraging the study, observance and celebration of the vital role of women in American history.

[Read More »](#)

[Women in Chemical Engineering: An AIChE Community](#)

The Women's Initiatives Committee was chartered in 1998, with Joan Brennecke (then at the University of Notre Dame, and today at University of Texas at Austin) as its first chair.

Today, WIC is one of AIChE's most active communities, and the committee continues to expand its activities. In addition to AIChE meeting workshops for undergraduates, grad students, and women in academia, recent programming has been dedicated to women in the petrochemicals industries, women in process safety, workplace retention and reentry for women in the profession, and many other topics pertinent to the community.

In a move to better reflect WIC's contributions and leadership role in AIChE and the chemical engineering profession at large, in 2019 the leaders of the Women's Initiative Committee relaunched the group under a new name — Women in Chemical Engineering, an AIChE Community — emphasizing the inclusivity and community aspect of WIC.

The group's mission remains much the same as it was when WIC was first established:

Women in Chemical Engineering, an AIChE Community will lead in promoting the entry, development, and full participation of women in the Institute and the profession through the following strategies:

- ◆ Develop/distribute resources on subjects pertaining to women in the profession.
- ◆ Mobilize AIChE to meet the needs of existing and potential female members of AIChE and the profession.
- ◆ Provide networking means for women in AIChE.
- ◆ Increase the visibility of women within AIChE and the profession.

[Read Complete Article and More on AIChE ChEnected »](#)



2024 AIChE Chicago Meeting Schedule and Speakers

Month	Date	Speaker	Affiliation	Topic
March	Tues 5th	Karen Vilas	BakerRisk	TBA
April	TBA	TBA		

Upcoming AIChE Conferences, Meetings and Webinars

AIChE Conferences

Feb 27-29, 2024	Fundamentals of Batch to Continuous Process Conversion in Specialty and API Chemistries
Feb 27-Mar 1, 2024	OTC Asia , Kuala Lumpur Convention Center, Kuala Lumpur, Malaysia
Mar 5-6, 2024	16th AIChE Midwest Regional Conference , Illinois Institute of Technology (IIT), Chicago, IL
Mar 11-12, 2024	Renewable Hydrogen Storage and Transport Conference , Town and Gown of USC, Los Angeles, CA
Mar 15-16, 2024	2024 Southern Student Regional Conference , Auburn University, Auburn, AL
Mar 23-24, 2024	RAPIDxDIPPR DEPLOY Batch-To-Continuous: From Physical Properties to Process Design , New Orleans Ernest N. Morial Convention Center, New Orleans, LA
Mar 24-28, 2024	2024 Spring Meeting and 20th Global Congress on Process Safety , New Orleans Ernest N. Morial Convention Center, New Orleans, LA
May 6-8, 2024	Middle East Process Engineering Conference & Exhibition (MEPEC) 2024 , Dhahran Expo, Kingdom of Saudi Arabia

Chicago ACS News and Events

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 event.

Chicago ACS bulletin:

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

Next event:

[Feb 27 Global Women's Breakfast \(GWB\) 2024](#)



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 15, 2024**.

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>



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 \$1,000 honorarium presented at a monthly section 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, 2024***.

One of the highest honors a distinguished chemical engineer can receive is our AIChE Chicago Section Thiele award. Please consider nominating a deserving engineer for this prestigious award.

To nominate, please contact: Jeffrey Zalc

bp Solutions, P&O

phone: 630.881.5478 ; email: jeffrey.zalc@bp.com

More information about this award and the past winners:

<https://www.aiche.org/community/sites/chicago-local-section/ernest-w-thiele-award>

<https://www.aiche.org/community/sites/local-sections/chicago/thiele-award-past-winners>

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.

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

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 Education Units and PDHs
- Access to CareerEngineer—a comprehensive job site tailored to chemical engineers
- Access to the AIChE eLibrary—a wealth of information from Knovel Life Sciences and the McGraw-Hill AccessEngineering Library collections

[View COMPLETE benefits](#)

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

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

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

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

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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!

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.

