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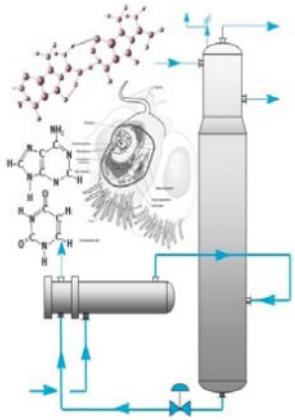
AIChE Chicago Section

April 2023 Newsletter



Inside this issue:

Midwest Regional Conference (MRC)

April 11-12, 2023

University of Illinois Chicago

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

AIChE Midwest Regional Conference

Keynote Speakers:

Sean Casten, U.S. Rep, IL 6th Congressional District
Susan Babinec, Argonne National Laboratory
Quinta Warren, Consumer Reports
Frank Zhu, Honeywell UOP

AIChE Chicago April Dinner Meeting

The Consumer Case for Electric Vehicles

Quinta Warren

Associate Director for Sustainability Policy, Consumer Reports

Tuesday, April 11, 2023
UIC - Student Center East (Cardinal Room)

Event Information: https://cvent.me/8zXwOR

Agenda:

4:30 to 4:55 PM	Poster setup
4:55 to 6:15 PM	Poster session, registration and social hour (*Buffet dinner opens at 5:45 PM*)
6:15 to 6:30 PM	Section Announcements
6:30 to 7:30 PM	Technical Presentation
7:30 to 7:45 PM	Presentation of Poster Awards

Note: Dinner meeting registration is separate from the MRC.

Chair's Corner

Happy Spring to all! I hope everyone enjoyed our March meeting and learning more about hydrogen and fuel cell research by our speaker Dr. Julie Fornaciari from Hydrogen and Fuel Cell Technology Office (HFTO) of U.S. Department of Energy.

April brings us to the most exciting time of the year for AIChE Chicago Section when we host the Midwest Regional Conference (MRC) (including April dinner meeting) on April 11-12 at University of Illinois Chicago (UIC). I would like to acknowledge the effort of all of our conference volunteers who have been contributing in setting up this amazing conference for all of you to enjoy and look forward to. This conference is entirely organized by the Chicago Section independent from the national AIChE activities. Preparation has started since summer last year and the organizing committee puts in countless hours of their personal time to push the conference to the finish line. I would like to thank Dr. Jessica Morris (Conference Chair), Dr. Belma Demirel (Conference Co-Chair), Dr. Hakim Iddir (Program Chair), Dr. Jason Wu (Program Co-Chair), Adam Kanyuh (Poster Session Chair) and several members of both the Section and the committee for putting together an impressive program for this year. You can find more details on keynote speakers, full two-day technical program, and a call for volunteers on the website (https://www.aiche.org/conferences/midwest-regional-conference/2023).

The conference features two full days of keynote speakers, technical presentations, networking activities, and so much more. This April Monthly Meeting also features our annual Student Poster Competition. Our AIChE Chicago Local Section believes it is important to encourage and support the undergraduate and graduate student community, and hope to see you at the event to give our students feedback on their work and help getting them excited about chemical engineering.

For MRC, we would also like to express our sincerest gratitude to our sponsors as their generous support helps us plan the conference every year. Unfortunately, I will not be able to travel to Chicago to attend MRC, but I hope everyone have a good time at MRC as well as our April dinner meeting.

As always, I am requesting your support and ideas to help us do better and share your perspective on what you would like us to do more. Please reach out to us on aichechicago@gmail.com with your ideas/suggestions/comments/questions- everything is welcome. Thanks again for your continued support.

Sarika Goel

AIChE Chicago Section Chair

AIChE Senior Member

2023 MIDWEST REGIONAL CONFERENCE

Keynote Speakers

Positioning the U.S. to Lead in Clean Energy Investment

Sean Casten

U.S. Representative

Illinois 6th Congressional District

Speaker's Bio:

As a scientist, clean energy entrepreneur and CEO, and now as a Member of Congress, Representative Sean Casten has dedicated his life to fighting climate change. In Congress, Casten draws on his two decades of experience as a business leader to reduce emissions while creating jobs, lowering energy costs for Americans, and spurring economic growth.

Casten serves on the House Financial Services Committee and the Science, Space, and Technology Committee. He also serves as Vice-Chair of the Sustainable Energy and Environment Coalition (SEEC).

While working diligently in Washington on behalf of Illinois' 6th Congressional District, Rep. Casten is also committed to keeping in close contact with his constituents. He lives in Downers Grove with his family.

Visit Rep. Casten's website

Abstract:

U.S. Representative Sean Casten will speak to the recent passage of climate legislation, which includes the Inflation Reduction Act, Infrastructure Investment and Jobs Act (IIJA), and the CHIPS and Science Act. He will discuss the implementation of these bills and the importance of energy policy in the 118th Congress.

2023 MIDWEST REGIONAL CONFERENCE

Keynote Speakers

Energy Storage – how we got here, where are we going

Susan Babinec

Program Lead—Stationary Storage

Argonne National Laboratory

Speaker's Bio:

Sue Babinec is the Program Lead – Stationary Storage at Argonne National Lab where she leads efforts ranging from new tools and capabilities to enhance existing technologies and breakthrough research for new approaches to long duration energy storage goals. Babinec previously served six years in Washington DC as senior commercialization advisor at the Advanced Research Projects Agency – Energy (ARPA-E) where she co-managed the energy storage portfolio for both transportation and grid. Prior to ARPA-E she led several research groups focused on design and scale-up of Li-ion technologies as a technical director for A123 Systems, Inc.. Babinec spent the first two decades of her career at The Dow Chemical Corp., where she was the Senior Electrochemist, a senior member of the Corporate VC group, was awarded the Inventor of the Year Award, and was the company's first woman Corporate Fellow. She holds 50+ patents, and has authored or coauthored dozens of journal articles and book chapters.

Abstract:

There has never been a better time to be involved in energy storage, which is now recognized as a key enabling technology in the urgent battle against climate change. Electrified transportation of light duty vehicles is the first new approach in 100 years and has been codified in many global policies – the next challenge is heavier vehicles, air and marine transport. Renewables are the dominant new power generation but require energy storage to manage their intermittency. Li-Ion has started this journey, but long duration energy storage is required to hit the deep decarbonization goals. The pace of change is high. We will review the interwoven science/market history of early developments and set the stage for what is to come in this presentation.

2023 MIDWEST REGIONAL CONFERENCE

Keynote Speakers

AIChE Midwest Regional Conference

Integrating multiscale modeling and optimization for sustainable process development

Dr. Frank Zhu, PhD

Senior Fellow

Honeywell UOP

Speaker's Bio:

Dr. Frank Zhu is a Honeywell-UOP Senior Fellow leading technology innovations and has made significant contributions to the fields of energy efficiency, operation optimization, and process modeling and design. Franks' methods have been successfully applied to industries and generated significant benefits in economic margin, energy savings and emission reductions. For example, he led design of several grassroots refineries and petrochemical complexes which are ranked in the category of the highest energy efficiency worldwide.

Frank was the recipient of the prestigious AIChE Energy Sustainability Award 2014 due to his contributions. Published several books and more than 100 papers and 60 patents granted.

Abstract:

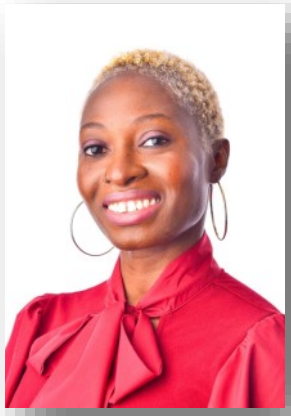
The new approach for process development discussed in this presentation is based on integrated molecular modeling, process integration and mathematical optimization. By incorporating fundamentals into process development, it can identify the best molecular transformation routes by optimizing reaction pathways. Furthermore, mechanistic kinetic modeling such as microkinetic modeling and molecular-based kinetic Monte Carlo, which is enhanced by quantum chemistry, can help predict yield selectivity incorporating catalyst properties and structures for deriving different catalyst formula. Process integration is about selecting fit-for-purpose technologies for reaction, separation, and heat transfer systems, while mathematical optimization is about obtaining the optimal process flowsheeting and conditions to achieve the desired products with the lowest capital and operating costs as well as minimal footprint such as plot space, various emissions and wastes, hydrogen, water, and energy. By mathematical optimization based on fundamental models and process integration options, it can identify technological breakthrough ideas. For given multiple objective functions, mathematical combinatory optimization of the fundamental models not only determines the best-fit technology profile for an overall process based on techno-economic criteria, but also allow the process to deal with different feedstocks and make product shift based on market needs as well as the best environmental performance.

FX Zhu, LJ Xu, Integrating multiscale modeling and optimization for sustainable process development, Chem. Eng. Sci, 254, 117619, 2022.

AIChE Chicago April Dinner Meeting

Registration (SEPARATE FROM MRC): https://cvent.me/MLP8MQ

The Consumer Case for Electric Vehicles



Dr. Quinta Warren, PhD, PE, PMP

Associate Director for Sustainability Policy

Consumer Reports

Speaker's Bio:

Dr. Quinta Warren is the Associate Director of Sustainability Policy at Consumer Reports (CR), where she leads the legislative, regulatory, and corporate engagement strategies for sustainability on behalf of consumers.

She is the co-author of a major CR survey report on consumer attitudes toward electric vehicles and low carbon fuels. She recently testified before Congress about the consumer benefits of the historic clean energy provisions in the Inflation Reduction Act. She and her team have also worked closely with policymakers and consumers to advance reforms such as California's landmark Advanced Clean Cars rule and the federal government's new standards for fuel economy and emissions.

Previously, Dr. Warren worked on carbon capture with ConocoPhillips, power generation with the Department of Energy, and international development with the Millennium Challenge Corporation and her own firm, Energy Research Consulting.

Dr. Warren holds a PhD in Chemical & Biomolecular Engineering from Georgia Tech, and a Bachelors in Chemical Engineering from Penn State.

Abstract:

Electric vehicles (EVs) have zero tailpipe emissions so they are an excellent technology for reducing both GHG emissions and air pollution from transportation. They also save consumers money on fueling and maintenance costs as they are more efficient than internal combustion engine vehicles.

Consumer Reports' surveys and analyses show that a growing number of Americans are interested in EVs. Yet, barriers persist that prevent greater adoption of these vehicles, including in overburdened communities. I will discuss what role government, manufacturers, and advocacy organizations like CR can play to help consumers overcome these barriers, and speed up the transition to cleaner transportation.

2023 MIDWEST REGIONAL CONFERENCE

TECHNICAL PROGRAM

AIChE MIDWEST REGIONAL CONFERENCE

Tuesday, April 11th, Track 1, AM		
7:45	10:30	Breakfast and Registration (Dearborn AB)
8:45	9:00	Conference Introduction:
9:00	10:00	Keynote Introduction: **Morning Keynote: Rep. Sean Casten** *Cardinal Room*
10:00	10:15	Networking Break (Dearborn AB)
10:15	11:15	Keynote Introduction: **Morning Keynote: Susan Babinec, Argonne National Lab** *Cardinal Room*
11:15	12:15	Lunch Break (Illinois AB)

Tuesday, April 11th, Track 1, PM		
12:15	13:30	**Session I (White Oak Room): Energy Storage I** Session Chair: Juan Garcia Session Co-Chair: Hakim Iddir Talk #1 - Jiajun Chen (Argonne National Lab) - Study of Earth-Abundant, Mn-Rich Cathodes for Vehicle Applications and Beyond Talk #2 - Sakshi Singh (UIC) - Na-Ion Delivery Via Molecular Cages in Porous Liquid Type-II Electrolytes Talk #3 - Said Al-Hallaj (UIC) - Hybrid Air Conditioning-Thermal Energy Storage for Space Cooling Applications
13:30	13:45	Networking Break (Dearborn AB)
13:45	15:00	**Session II (White Oak Room): Energy Storage II** Session Chair: Hakim Iddir Session Co-Chair:Juan Garcia Talk #1 - Juan Garcia (Argonne National Lab) - Structural Features in Li- and Mn-Rich Cathodes That Modify the Impedance at Low State of Charge Talk #2 - Kevin Knehr (Argonne National Lab) - Role of Crystal Size in Dynamic Charge Acceptance of Lead-Acid Batteries Talk #3 - Abhas Deva (Argonne National Lab) - Physics Informed Design of Porous Silicon-Based Electrodes
15:00	15:15	Networking Break (Dearborn AB)
15:15	16:55	**Session III (White Oak Room): Advances in Refining & Biorefining Technology** Session Chair: Rishabh Jain Session Co-Chair: Belma Demirel Talk #1 - Pahola Thathiana Benavides (Argonne National Lab) - Life Cycle and Technoeconomic Analyses of Catalyst Used in the Conversion of Waste Plastic to Lubricate Oils from Upcycled Plastics (LOUPs) Talk #2 - Jeff Martin (Ketjen) - Effective and Efficient Chemical Recycling of Waste Plastics Is Dependent on the Presence of Catalysts Talk #3 - Jeron Chin (Haldor Topsoe) - Status of Blue H2 and Blue Ammonia As the New Decarbonized Fuel of Today and the Future Talk #4 -Sean Rollag (LanzaTech) - Gas Fermentation: New Process Technology for a Circular Carbon Economy
16:55	18:15	Poster Session/Networking Break (Illinois B)
17:45	19:30	**Chicago Section Monthly Technical Dinner (Cardinal Room)** *Dinner Keynote (Cardinal Room): Quinta Warren, Consumer Reports*

2023 MIDWEST REGIONAL CONFERENCE

Technical Program

AIChE Midwest Regional Conference

Tuesday, April 11th, Track 2, AM		
7:45	10:30	Breakfast and Registration (Dearborn AB)
8:45	9:00	Conference Introduction:
9:00	10:00	Keynote Introduction: **Morning Keynote: Rep. Sean Casten** *Cardinal Room*
10:00	10:15	Networking Break (Dearborn AB)
10:15	11:15	Keynote Introduction: **Morning Keynote: Susan Babinec, Argonne National Lab** *Cardinal Room*
11:15	12:15	Lunch Break (Illinois AB)

Tuesday, April 11th, Track 2, PM		
12:15	13:05	**Session I (Illinois C): Process Safety** Session Chair: Jessica Morris Session Co-Chair: Talk #1 - William Giang (PSRG Inc.) - Process Safety in Hydrogen Industries Talk #2 - Domingo Elias (Exponent) - PSM Pillars… or Dominoes? a Case Study to Consider the Link between Certain PSM Pillars.
13:05	13:20	Networking Break (Dearborn AB)
13:20	15:00	**Session II (Illinois C): Environmental Compliance / Remediation** Session Chair: Aditya Prajapati Session Co-Chair: Taiwo Adesanya Talk #1 - Kiana Modaresahmadi (UIC) - Removal of Fluoride from Water Using Hybrid Aluminum-Magnesium-Calcium Coated Sand Adsorbent Talk #2 - Saurabh N. Misal (UIC) - Electrochemical Degradation of Perfluorooctanoic Acid Using Electrocatalytic Reactive Electrochemical Membranes Talk #3 - Jacob King (UIC) - Electrochemical Reduction Using Ti4O7 Reactive Membranes Impregnated with Nickel and Iron for Pfas Destruction Talk #4 - Shirin Saffar Avval (UIC) - A Mechanistic Study on per-and Polyfluorinated Substances (PFAS) Electrooxidation on Ti4O7 Anodes
15:00	15:15	Networking Break (Dearborn AB)
15:15	16:55	**Session III (Illinois C): Green Engineering** Session Chair: Jason Wu Session Co-Chair: Omar Aly Talk #1 - Filip Formalik (Northwestern) - Computational Screening of MOF and Working Fluid Pairs for Adsorption Cooling Applications Talk #2 - Hyun Park (UIC) - Graph Neural Network Model to Predict Carbon Adsorption Capability of MOF Talk #3 - Ruijie Zhu (Northwestern) - Diffusion Model Accelerates Computational Design of MOF Structures for Carbon Capture Talk #4 - Katelyn Tran (Wood Group USA) - Left or Right? Which Way on a Decarbonization Journey?
16:55	18:15	Poster Session/Networking Break (Illinois B)
17:45	19:30	**Chicago Section Monthly Technical Dinner (Cardinal Room)** *Dinner Keynote (Cardinal Room): Quinta Warren, Consumer Reports*

2023 MIDWEST REGIONAL CONFERENCE

TECHNICAL PROGRAM

AIChE MIDWEST REGIONAL CONFERENCE

Wednesday, April 12th, Track 1, AM		
7:45	10:30	Breakfast and Registration (Dearborn AB)
8:45	9:00	Conference Introduction:
9:00	10:15	**Session I (White Oak Room): Bioengineering & Nanotechnologies** Session Chair: Meltem Urgun-Demirtas Talk #1 - Fatima Rizwan (IIT) - Optimization of Cell-Free Protein Synthesis By Screening the Escherichia coli Whole Genome Talk #2 - Harshdeep Bhatia (UIC) - Will Future Generations of N95 Masks Include Atomic Layer Deposited Silver Nano-Islands? Talk #3 - Emily Kim (UPenn) - Developing a Platform for Induced Pluripotent Stem Cell Reprogramming through Lipid Nanoparticle-Based mRNA Delivery
10:15	10:30	Networking Break (Dearborn AB)
10:30	11:20	**Session II (White Oak Room): Bioengineering & Nanotechnologies** Session Chair: Meltem Urgun-Demirtas Talk #1 - Sungjoon Kim (UIC) - Inter-Electronic and Inter-Valley Transitions in MoS2-WS2 Heterostructures and Alloys Talk #2 - Julia Lenef (University of Michigan) - Tunable Sulfur Incorporation into Atomic Layer Deposition Films Using Solution Anion Exchange
11:20	12:45	Networking / Lunch Break (Cardinal Room)

Wednesday, April 12th, Track 1, PM		
12:45	13:45	Keynote Introduction: **Afternoon Keynote: Frank Zhu, Honeywell UOP**
13:45	14:00	Networking Break (Dearborn AB)
14:00	15:15	**Session III (White Oak Room): Catalysis I** Session Chair: Trevor Lardinois Session Co-Chair: Nicole Libretto Talk #1 - Basil Rawah (ISU) - Amino Acid Glycine-Derived Metal-Free Nitrogen-Doped Ordered Mesoporous Carbon for Efficient Electrochemical Synthesis of Hydrogen Peroxide (H2O2) Talk #2 - Eman Wasim (IU) - Ligand-Coordination Effects on the Selective Hydrogenation of Acetylene in Single-Site Pd-Ligand Supported Catalysts Talk #3 - Zuhal Cakir (Purdue) - First-Principles Analysis of the Ammonia Decomposition Reaction on High Entropy Alloy Catalysts
15:15	15:30	Networking Break (Dearborn AB)
15:30	16:45	**Session IV (White Oak Room): Catalysis II** Session Chair: Nicole Libretto Session Co-Chair: Trevor Lardinois Talk #1 - Hiyab Mekonnen (Northwestern) - Mechanistic Insight into Tris(pentafluorophenyl)Borane Speciation during Ring Opening of Epoxides Talk #2 - Mingyuan Cao (Notre Dame) - Non-Thermal Plasma Assisted Catalytic Water Splitting for Clean Hydrogen Production at Near Ambient Conditions Talk #3 - Neha Mehra (Notre Dame) - Deciphering Activity Controls for Ethylene Oligomerization Catalyzed By Metal Ions Grafted on Oxide Supports By Computational Interrogation
17:30	20:00	**Happy Hour Hosted by CLS YP (all welcome)** **Bar Louie (1325 S Halsted St, Chicago, IL 60607)** **Sponsored by Reactor Resources - Catalyst Sulfiding**

2023 MIDWEST REGIONAL CONFERENCE

TECHNICAL PROGRAM

AIChE MIDWEST REGIONAL CONFERENCE

Wednesday, April 12th, Track 2, AM		
7:45	10:30	Breakfast and Registration (Dearborn AB)
8:45	9:00	Conference Introduction:
9:00	10:15	**Session I (Illinois C): Machine Learning & Optimization** Session Chair: Aashutosh Mistry Talk #1 - Angan Mukherjee (WVU) - Hybrid Series and Parallel All-Nonlinear Dynamic-Static Neural Networks: Development, Training, and Application to Chemical Processes Talk #2 - Manuel Tsotsals (Karlsruhe Institute of Technology) - Accelerating MOF Synthesis Via Data Mining and Machine Learning Talk #3 - Srishyam Raghavan (UIC) - Small Molecule Adsorption Energy Predictions for High-Throughput Screening of Electrocatalysts
10:15	10:30	Networking Break (Dearborn AB)
10:30	11:20	**Session II (Illinois C): Machine Learning & Optimization** Session Chair: Aashutosh Mistry Talk #1 - Xiaoli Yan (UIC) - Generative Adversarial Network to Accelerate Computational Screening of Metal-Organic Framework Structures Talk #2 - Seth Moore (UChicago) - Exploring MOF Sorption Properties with Topological Data Analysis
11:20	12:45	Networking / Lunch Break (Cardinal Room)

Wednesday, April 12th, Track 2, PM		
12:45	13:45	Keynote Introduction: **Afternoon Keynote: Frank Zhu, Honeywell UOP**
13:45	14:00	Networking Break (Dearborn AB)
14:00	15:15	**Session III (Illinois C): Fluid Properties, Fluid Dynamics, & Transport Phenomena** Session Chair: Hadjira Iddir Talk #1 - Seyed Amirfakhri (Univ of Wisconsin) - Performance of a CSTR Activated Sludge with Different Configurations for Municipal Wastewater Treatment Talk #2 - Qingsong Liu (Northwestern) - Obtaining Structural Information of Carbon Black in Carbon Black/Polyvinylidene Difluoride Suspensions with Simultaneous Rheo-Electric Measurements Talk #3 - Zeyuan Gao (IIT) - Modeling and Numerical Simulation of Concentrated Solar Energy Storage in a Packed Bed of Silicon Carbide Particles
15:15	15:30	Networking Break (Dearborn AB)
15:30	16:45	**Session IV (Illinois C): Polymers** Session Chair: Carina Martinez Session Co-Chair: Cheryl Slykas Talk #1 - Negin Razavilar (Kettering University) - Molecular-Level Insights into the Diffusion Mechanism of a Hydrophobic Drug from a Block Copolymer Micelle By Molecular Dynamics Simulation Talk #2 - Logan Fenimore (Northwestern) - Upcycling Virgin and Waste Polyethylene to Reprocessable Dynamic Covalent Networks Via Free-Radical Grafting of Dialkylamino Disulfide Bonds Talk #3 - Louis Edano (UIC) - Rheology and Spinnability of Polyvinylpyrrolidone Solutions
17:30	20:00	**Happy Hour Hosted by CLS YP (all welcome)** **Bar Louie (1325 S Halsted St, Chicago, IL 60607)** **Sponsored by Reactor Resources - Catalyst Sulfiding**

2023 MRC Conference Sponsors

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

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AIChE Chicago Section Poster Competition

Tuesday April 11, 2023

4:55 - 6:15 PM

University of Illinois at Chicago

Submission by Wednesday April 5, 2023

Submit title and abstract (500 words maximum) to

Adam Kanyuh - 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

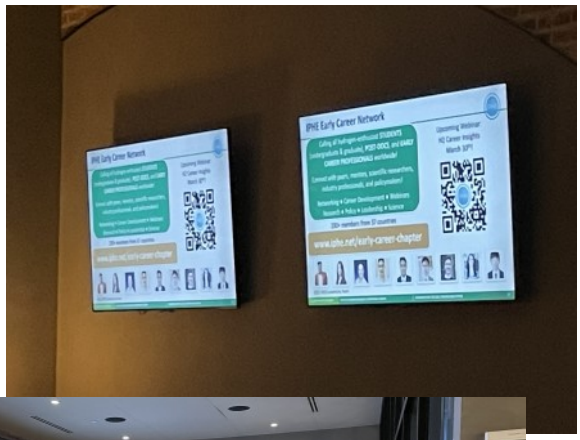
Adam.Kanyuh@Honeywell.com

Poster Judges Needed!

Judges are needed for the student poster competition that will be held at the **April 11** 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 or aichechicago@gmail.com If you would be willing to assist.

March Meeting Photos

Remember to check out our Facebook page for more photos and news!



2023 Meeting Schedule and Speakers

Month	Date	Speaker	Affiliation	Topic
April	Tues 11th	Dr. Quinta Warren	Consumer Reports	The Consumer Case for Electric Vehicles
May	TBD	TBD	TBD	

Upcoming AIChE Conferences, Meetings and Webinars

AIChE Conferences

Apr 11-12, 2023	15th AIChE Midwest Regional Conference, University of Illinois Chicago, Chicago, IL
Apr 17-18, 2023	2023 Rock Stars of Regenerative Engineering, Sanford Consortium for Regenerative Medicine, San Diego, CA
Apr 18-20, 2023	4th Engineering Cosmetics and Consumer Products Conference, Crowne Plaza Princeton Conference Center, Plainsboro, NJ
Apr 19-21, 2023	Global Polymers and Textiles Summit, University of Massachusetts Lowell, Lowell, MA
Apr 19-21, 2023	2023 DIERS Virtual Spring Meeting, Virtual

AIChE Webinars

Apr 19, 2023	Engaging Government 101
Apr 27, 2023	Gaseous Hydrogen: Safety Considerations

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.

NOMINATIONS FOR 2023-24 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 2023-24 Fiscal year.

Please submit nominations via email to:

Sarika Goel (iitdsarika@gmail.com) or

McKay Rytting (bmckayrytting@gmail.com)

The nomination deadline is **April 21**.

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*.

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
13964 Doral Lane
Homer Glen, IL 60491
aichechicago@gmail.com

https://www.facebook.com/AIChEChicagoSection
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Officers and Committee Members

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Chair Elect	*McKay Rytting*
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	Robert Tsai
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	Kashif Uddin
Publicity Committee	*Sanaz Taghvaii Arabi*
Young Professionals Committee	*Ruben Barajas*
Newsletter Editors	*Yechan Won*
	Robert Tsai

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.