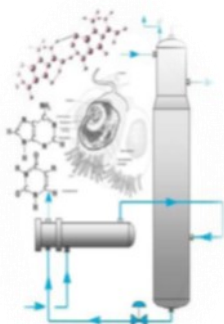


AIChE Chicago Section September 2024 Newsletter



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AIChE Chicago September Meeting & PSRI Facility Tour

Fluidization's Role in the Scale-Up and Commercialization of Sustainability and Decarbonization Technologies



Dr. Reddy Karri

President and CEO

Particulate Solid Research, Inc. (PSRI)

Date: **Wednesday, September 18, 2024**

Tour Location: **PSRI (5:30—6:30 PM)**
4201 W 36th St Bldg A, Chicago, IL 60632

Meeting Location: **Paisans Pizzeria and Bar (7:00 PM—8:30 PM)**
6226 Ogden Ave, Berwyn, IL 60402

Cost: \$55 **Non-Member**
\$45 **Member* / Retired***
\$30 **Unemployed***
\$10 **Student**

*** must be AIChE Global and Chicago Section Member to be eligible for rate**

Registration and Information: <https://cvent.me/X7Vgoa>

Please note the tour and meeting are at different locations.
Maximum tour capacity is 50 people so make sure to reserve a spot!



Chair's Corner

Greetings AIChE Chicago Local Section! My name is Matt Walters, and I am honored to serve as Chair during the **100 year anniversary** of the CLS.

Throughout the 2024-2025 programming year, the CLS Board intends to provide our members with engaging technical speakers, facility tours, networking opportunities, and young professional socials to honor AIChE's first and oldest local section. The programming year will culminate with a centennial celebration in May 2025. I am looking forward to the great calendar of events the dedicated CLS volunteers are putting together for this year.



It's no secret that the COVID-19 pandemic upended the way many of us spend our time, and the CLS has seen a drop in participation since returning to in-person events. As Chair, my goal for this year is to leverage the upcoming top notch programming and the centennial celebration to increase active membership in the CLS. I also am asking members who find value in the CLS monthly meetings to spread the word to your ChE colleagues and friends in the Chicagoland area. Non-members are welcome to register for meetings at a higher rate to give the Section a try before joining.

Lastly, I want to give a shout out to the Section leadership and committee members for their hard work in making the Section run smoothly. The CLS is operated entirely by volunteers, with support from AIChE Global. Thank you all for your great work in making the CLS a success!

Matt Walters

AIChE Chicago Section Chair

Cont. from Page 1

September Meeting Information

Biography:

Dr. S.B. Reddy Karri, President & CEO: Reddy has 36 years experience in particle technology and fluidization. He is the President & CEO of Particulate Solid Research, Inc., an engineering industrial consortium of 36 member companies from Asia, Americas and Europe. He is an expert in the area of fluid-particle systems such as fluid beds, cyclones, diplegs, standpipes and risers. He extensively consults and trouble shoots the industrial problems in the energy field. He currently involved in developing fifteen different emerging technologies at various stages of commercialization. He lead numerous cold flow projects relating to fluid-catalytic cracking, methanol-to-olefins, gas-to-liquids, biomass and recycle plastic pyrolysis, battery materials, polysilicon, dehydrogenation, methane pyrolysis and others. He also developed several engineering tools to design several aspects of fluidized beds, cyclones, diplegs, standpipes and risers. He has written either internally or externally over 150 papers in the area of fluid-particle systems. He has been teaching PSRI technical seminar to the industrial engineers from all over the world for the last 31 years. He has chaired several sessions at AIChE. He was chair of Group 3b and currently Chair of Particle Technology Division of AIChE. He received 2011 AIChE's Fluidized Processing Award sponsored by Dow Chemical Company.



Abstract:

Fluidized beds and particle technology play major role in industrial scale chemical and petrochemical processes. Commitments in carbon dioxide (CO₂) reduction from many of the main refining industry players continue, with goals to reach net-zero emissions by 2050 or earlier in some cases. These targets require reductions in emissions from daily operations, as well as increased deployment of renewable energy, the production of biofuels, or the building of a hydrogen (H₂) infrastructure. Fluidized beds are playing a major role in the emerging technologies in paradigm shift in energy sector.

The presentation focuses on:

- Short review of current technologies and the role of particle technology
- How best to leverage these technologies for the emerging new processes
- Why fluidization for scale-up (economy of scale)
- How to minimize scale-up risk (and improve likelihood of commercialization)
- Partner with experts (consulting!)
- Realistic schedules for process development
- Run properly designed pilot and demonstration scale hot units to validate the process technology
- Large scale testing (contract research!)

Registration: <https://cvent.me/aELVoD>

Cont. from Page 1

September Tour Information

Directions to PSRI (for Tour):

Set your GPS for
4201 West 36th Street
Chicago, Illinois, 60632

When you are driving down 36th street,
You will see a 4 story office building. Turn
Left as you pass that building. Proceed
Through the open gate and park in the green
Area or the blue area. Enter the doors as
shown below.



Registration: <https://cvent.me/aELVoD>

2024-2025 AIChE Chicago Officers

Chair: Matt Walters



Matt Walters is an Environmental Engineer at the U.S. EPA Region 5 Air Enforcement and Compliance Assurance Branch. Prior to joining EPA in 2023, Matt worked as an engineering consultant at Exponent, providing incident investigation and process safety consulting services. Matt holds B.S. degrees in Chemistry and Chemical Engineering from Purdue University, as well as M.S. and Ph.D. degrees in Chemical Engineering from the University of Texas at Austin. He is also a licensed Professional Engineer in Illinois. Matt is an active member of AIChE, including presenting conference papers,

chairing technical sessions at the Global Congress on Process Safety, and serving on a book development committee for the Center for Chemical Process Safety. Locally, he was the Co-Chair of the 2021 Midwest Regional Conference (MRC) and Chair of the 2022 MRC.

Chair-Elect: Lance Baird

Lance Baird is the owner of Lance Baird, LLC specializing in Renewable Energy and is a co-founder of RenewAgility, LLC. Lance retired from Honeywell UOP after 37 years of service, including 15 years on worldwide technical service assignments and 22 years in various roles in technology development. He holds 21 patents with 16 applications pending and is a 6-sigma black belt. Lance graduated from Washington State University with a BS in Chemical Engineering.



Past Chair: McKay Rytting



McKay Rytting is a consultant at EY-Parthenon working in their corporate strategy practice in chemicals and oil/gas. His typical projects include due diligence assessments for acquisitions, operating model transformations, and innovation and sustainability strategy. He is currently focused on building a chemicals-specific practice within EY-Parthenon (currently chemicals specialists sit within Advanced Manufacturing and Mobility) and developing a team focused on facilitating the energy transition through mergers and acquisitions. Previously he spent four years at Honeywell UOP in process modeling, design, and development roles in a variety of technologies including FCC, membrane gas separations, heavy oil processing, and petrochemicals. He joined Honeywell after a PhD in chemical engineering at University of Notre Dame where he studied separations and inter-

molecular interactions of petroporphyrins and asphaltenes found in heavy crude oil. McKay served as the AIChE Chicago Section treasurer for three years before spending the last year as chair.

2024-2025 AIChE Chicago Officers

Director at Large: Janet Werner



Janet Werner is in the Process Design Development group at Honeywell UOP where she supports the development of new technologies. She earned a B.S. in Chemical Engineering from University of Illinois. Janet has served the AIChE Chicago Section in the past as Chair, K-12 Outreach Chair, Newsletter Editor, and Webmaster. Janet has also been involved in the Midwest Regional Conference Committee as High School Outreach Co-Chair and served as a member of the Sponsorship Sub-Committee and Hospitality Sub-Committee. Janet has also volunteered in the AIChE Chicago Young Professionals Committee on the Programming Committee, Membership Committee, and Webmaster. She received an AIChE Shining Star award in 2015 for her contributions to the Chicago Local Section.

Director at Large: Reza Mostofi

After earning his BS degree in Chemical Engineering from Tehran Polytechnic in 1989, Reza had worked in different industries for several years including consulting firms, construction, sales and marketing.

He then moved to Chicago to pursue his PhD degree attending IIT where he showed interest in computational physics and mathematical modeling. Reza has been working at Honeywell/UOP since 2003 where he is responsible for CFD modeling and analysis of different refinery units with emphasis on multiphase flows. He has won the 2019 UOP technical leadership award. Reza has also taught transport phenomena as an adjunct professor at UIC in Chicago as well as general chemistry at Chicago city college.



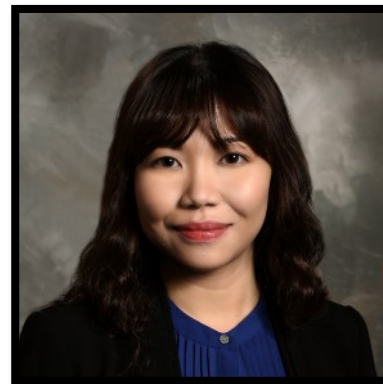
During his years at IIT till now, Reza has presented his work at AIChE meetings and chemical engineering journals and has also reviewed papers for different journals and meetings. He has co-authored and presented more than 30 papers and in co-inventor of more than 30 US and non-US patents.

He is also a fellow of AIChE and active member of particle technology forum and Chicago local section. On the local level, Reza has served as the Chicago section chair and hold many other positions and has been involved in planning and executing the section's Midwest regional conference for many years. Reza has served as the PTF vice chair for 2012-2014 and chair for 2015-2016 term. He was also a member of CEOC & SIOC and served as SIOC chair in 2016 and CTOC chair in 2022. He also has won the AIChE shining star award in 2019.

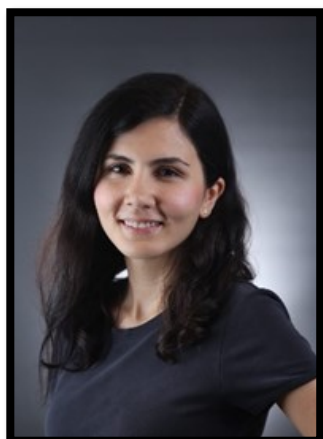
2024-2025 AIChE Chicago Officers

Director at Large: Ha Dinh

Ha Dinh is currently an Offering Manager for Naphtha business in Honeywell UOP Lifecycle Solutions and Technologies, where she is the Offering Manager for Isomerization and Merox catalysts and collaborates with R&D in new product development and commercialization. Ha joined UOP in 2015 as a Research and Development Scientist, focusing on kinetic modeling and optimization for commercialization of new technologies. Her subsequent roles include Technical Sales Engineer in Integrated Project Solution group working on technical proposals and customer specific studies, and Project Development Manager for Naphtha new capital and equipment projects. Prior to that, Ha obtained a BS in Chemical Engineering from the University of Washington at Seattle in 2008 and her PhD in Chemical Engineering from Lamar University, a member of Texas State University in 2015. She is a Senior member of AIChE and part of AIChE Process Development Division leadership. She also served as Vice- Chair Programming and Section Chair in the Chicago Section. Ha also leads and supports multiple education outreach programs at UOP outside of work .



Vice Chair of Programming: Aida Amini Rankouhi



Aida Amini-Rankouhi is currently Lead Technical Sales Engineer in the Hydroprocessing and Renewables team at Honeywell UOP, where she develops and provides technical support for Honeywell UOP's Hydrocracking catalyst offerings. Aida started her career with Honeywell about 5.5 years ago working in the Process Modeling team as R&D Scientist developing kinetic-based process models and Software tools for refinery process units yield estimation. She holds a BS in Chemical Engineering from University of Tehran and PhD in Chemical Engineering from Wayne State University. Aida is a senior member of AIChE and has been involved in the AIChE Sustainable Engineering Forum where she was awarded AIChE SEF Student Best Paper Award in 2018 and has been co-chairing sessions within the forum in the past few years.

2024-2025 AIChE Chicago Officers

Treasurer: Adam Kanyuh

Adam Kanyuh is a Fellow in UOP's Engineering Department. With over 29 years experience in process design, Adam has been involved the design of Oleflex Process Units as well as other light olefin technologies since 2005 and is the holder of 10 patents. Adam has a Bachelor of Science in Chemical Engineering from the University of Illinois at Chicago, is a fellow member of the American Institute of Chemical Engineers. He is married with two teenage boys.



Secretary: Kashif Uddin



Kashif Uddin received his Bachelor of Science in Chemical Engineering from Illinois Institute of Technology and has been working as a Process Engineer for over 7 years now in various industries ranging from estomeric materials manufacturing, biopharma, agrochem and EPC. He's held various positions ranging from Process/Project Engineer to R&D Process Engineer. He currently is a Sr. Process Engineer for CB&I in Process and Safety Engineering group. He lives in Plainfield with his wife and son.

2024-2025 AIChE Chicago Committee Members

Logistics Committee: Elizabeth Ibarra



Bertha Elizabeth Ibarra Lopez received her BS in Chemical Engineering from Universidad Central del Ecuador, Ecuador and a MS in Chemical Process Engineer from University of New South Wales, Australia. She has been a member of the AIChE since 2016. Elizabeth currently works at Becton Dickinson and Company as a Lab Technician and has collaborated in the Pharmaceutical Industry, academia and government positions. Since 2023 she has been involved in the MRC and now, she is serving on the Logistics Committee.

Publicity Committee: Sanaz Taghvaii Arabi

Sanaz Taghvaii is currently working as Technical Service Specialist in Aromatics Technologies at Honeywell UOP where she supports customers in troubleshooting, data review and unit monitoring. She earned a B.S. in Chemical Engineering from University of Massachusetts Amherst. She served as AIChE Education Chair UMass Chapter during her undergraduate. After graduation she continued volunteering with AIChE Houston Chapter in social media and with AIChE Chicago Section since 2019.



Awards Committee: Azita Ahmadzadeh



Azita Ahmadzadeh received her PhD in Chemical Engineering from IIT in Chicago and is working as a CFD modeling specialist at UOP, Honeywell Company. Prior to joining UOP, Honeywell Company, Azita worked at Simutech Group for 5 years. She is involved in AIChE national as session chair/co-chair at annual and spring meetings. She was a member of AIChE Executive Board of Programming Committee, (EBPC) and currently serving on AIChE Continuing Education Operating Council (CEOC) and liaison to AIChE Local Sections Community. She was the Program Chair of 2013 PDS (Process Development Symposium) and the session chair of 2018 and 2024 PDS. Azita was the chair of AIChE Chicago section (2014-2015) and has been Chicago local section newsletter editor from 2008 - 2020. She initiated the Chicago Section's Scholarship and is the committee chair from 2014. Azita is fundraising committee chair for the Midwest Regional Conferences since 2007 and was the chair of 2015 Midwest Regional Conference. She is the 2010 recipient of the AIChE Shining Star Award for outstanding volunteerism. Azita was AIChE F&PD newsletter editor in 2019, communication director in 2020 and currently serve as the F&PD director. Azita is the AIChE Fellow.

2024-2025 AIChE Chicago Committee Members

Cvent Manager: Rishabh Jain

Rishabh Jain is currently working as an Advanced R&D scientist in catalyst research group at Honeywell UOP where he supports research work for new catalysts development for different technologies. Rishabh joined Honeywell UOP in 2022. Rishabh received his Bachelor of Technology (B.Tech.) degree in Chemical Engineering from Indian Institute of Technology (IIT), Varanasi in 2016 and his Ph.D. in Chemical Engineering from University of Houston in 2021 under the guidance of Dr. Jeffrey Rimer. Within AIChE Chicago, he was secretary and served as co-chair of the 2023 AIChE Midwest Regional Conference.



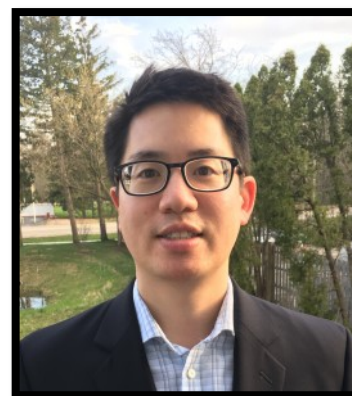
Newsletter Editor: Ethan Caesar



Ethan Caesar is currently a process engineer at Zoetis where he is involved with the fermentation and manufacturing of several medicated products. Prior to working for Zoetis, he worked as a plant engineer for POET in Shell Rock, Iowa. He earned his Bachelors of Science in Chemical Engineering from Trine University in 2021 and was part of the university's Chem-E-Car team and joined the Delta Chi fraternity .

Newsletter Editor: Robert Tsai

Bob Tsai is a Principal Technical Sales Engineer at Honeywell UOP and is responsible for leading and improving internal execution of customer proposals in the gas processing area. He has been with Honeywell UOP for 14 years and within the company has worked in consultancy (Integrated Project Solutions) and innovation (Engineering Innovation Group) areas as well as Process Design and Modeling roles in R&D. He has been granted 14 patents during his career. Bob holds a BS in Chemical Engineering from the University of Illinois Urbana-Champaign and PhD in Chemical Engineering from the University of Texas at Austin. Within AIChE Chicago, he was Co-Chair of Programming from 2016-2018, Chair and Past Chair from 2018-2020, Director from 2020-2023, served as Chair of the 2021 AIChE Midwest Regional Conference, and has been Newsletter Editor since 2021.



AIChE Chicago Centennial Celebration

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

The centennial will be recognized throughout the year with special monthly meeting arrangements and of course a big party to celebrate so stay tuned! The newsletter will also feature guest articles and other snippets of history which we hope you will enjoy.

The below scan acknowledges the AIChE Chicago officers from 1925-1961, which is a fitting way to start the year—recognizing the hard work that so many volunteers have put in and continue to put in to make the section successful.

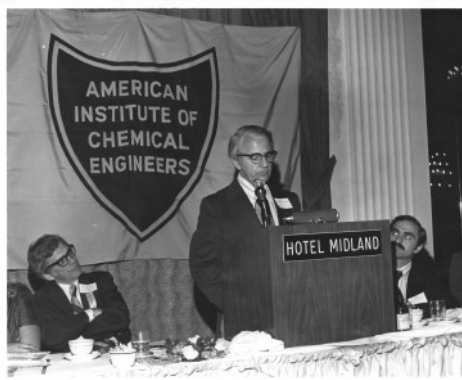
A a - deceased
 B b - unable to locate
 C c - unable to attend
 D d - will attend

OFFICERS OF CHICAGO SECTION, A.I.Ch.E.

Year	Chairman	Vice-Chairman	Secretary-Treasurer Or Secretary	Treasurer	Directors
B 1925	Dr. F. L. Dunlap	Mr. F. E. Dodge	Mr. G. B. James		
C 1926-28	Dr. F. M. de Beers	Mr. W. B. Brown	Mr. W. B. Brown	Dr. E. B. Freud	
A 1928-29	Mr. W. B. Brown	Dr. F. W. Mohlman	Dr. E. Adler		
B 1929-30	Mr. O. H. Wurster	Mr. L. C. Cooley	Dr. E. Adler		
B 1930-31	Mr. E. C. Lathrop	Mr. E. F. Buchanan	Dr. E. Adler		
A 1931-32	Prof. H. McCormack	Mr. L. C. Cooley	Dr. E. Adler		
A 1932-33	Mr. R. E. Harper	Dr. B. B. Freud	Dr. E. Adler		
B 1933-35	Dr. G. J. Fink	Dr. A. R. Guillaudeu	Dr. E. Adler		
B 1936-37	Dr. H. Adler	Mr. G. Abson	Mr. F. T. Barr		
			Dr. M. C. Rogers		
B 1938	Mr. G. E. Murphy	Dr. J. C. Witt	Mr. C. A. Herbst		
B 1939	Dr. J. C. Witt	Dr. K. M. Watson	Mr. C. A. Herbst		
C 1940-41	Mr. R. E. Zinn	Dr. G. E. Lamb	Mr. G. J. Stockman		Dr. A. Guillaudeu (1 year); Mr. R. E. Zinn (2 years); Dr. G. Egloff
C 1941-42	Dr. R. C. Guinness	Mr. C. A. Herbst	Mr. G. J. Stockman		Prof. H. McCormack
D 1942-43	Mr. C. A. Herbst	Mr. G. J. Stockman	Mr. J. E. Swearingen		Mr. C. A. Herbst (to complete Mr. R. E. Zinn's term), Dr. R. C. Kintner
D 1943-44	Mr. G. J. Stockman	Dr. R. C. Kintner	Mr. J. E. Swearingen		Mr. R. E. Zinn
C 1944-45	Dr. R. C. Kintner	Mr. J. E. Swearingen	Mr. W. D. Staley		Prof. H. McCormack
C 1945-46	Mr. J. E. Swearingen	Dr. W. E. Brinker	Mr. R. T. Griffith		Dr. P. D. V. Manning
C 1946-47	Dr. W. E. Brinker	Dr. V. C. Williams	Mr. R. T. Griffith		Mr. F. M. Anable
C 1947-48	Dr. V. C. Williams	Mr. R. T. Griffith	Mr. C. W. Peters		Prof. H. McCormack
D 1948-49	Mr. R. T. Griffith	Mr. G. G. Lamb	Mr. C. W. Peters	Dr. R. E. Peck	Mr. R. M. Schaffner
D 1949-50	Mr. G. G. Lamb	Mr. C. W. Peters	Mr. E. N. Mortenson	Dr. R. E. Peck	Dr. P. D. V. Manning
B 1950-51	Mr. C. W. Peters	Mr. D. A. Smith	Mr. E. N. Mortenson	Mr. J. R. Blizzard	Dr. J. H. Rushton
B 1951-52	Mr. D. A. Smith	Mr. E. N. Mortenson	Mr. J. R. Blizzard	Mr. W. H. Congleton	Mr. M. J. Sterba
D 1952-53	Mr. E. N. Mortenson	Mr. J. R. Blizzard	Mr. K. W. MacPie	Mr. T. A. Matthews II	Mr. H. L. Pelzer
D 1953-54	Mr. J. R. Blizzard	Mr. R. H. Rogge	Mr. H. F. Nolting	Mr. E. H. Vause	Mr. R. A. Clarke (to 6/30/55); Dr. K. M. Watson (to 6/30/54)
C 1954-55	Mr. R. H. Rogge	Mr. H. F. Nolting	Mr. E. H. Vause	Mr. W. J. Alford	Mr. D. A. Smith
C 1955-56	Mr. H. F. Nolting	Mr. E. H. Vause	Mr. W. J. Alford	Mr. E. T. Harding	Mr. E. N. Mortenson
C 1956-57	Mr. E. H. Vause	Mr. W. J. Alford	Mr. E. T. Harding	Mr. G. E. Bailie	Mr. J. R. Blizzard
C 1957-58	Mr. W. J. Alford	Mr. G. E. Bailie	Mr. R. A. Clarke	Mr. T. F. Meinhold	Dr. D. A. Dahlstrom
D 1958-59	Mr. G. E. Bailie	Mr. R. A. Clarke	Mr. T. F. Meinhold	Mr. W. T. Brazelton	Mr. H. F. Nolting
D 1959-60	Mr. R. A. Clarke	Mr. T. F. Meinhold	Mr. S. G. Sourelis	Mr. J. E. Anderson	Mr. O. J. DuTemple
D 1960-61	Mr. T. F. Meinhold	Mr. S. G. Sourelis	Mr. R. L. Opila	Mr. H. M. Betzlg	Dr. E. F. Wagner (to 6/30/60), Mr. W. J. Alford (to 6/30/62)
					Dr. A. B. Wilder

AIChE Chicago 50th Anniversary Photos

The Chicago Section held its 50th anniversary party on October 8, 1975 at the Midland Hotel in Chicago. Photos from the event are below. One can't help but think about this centennial celebration being looked back on in the same way many years from now!

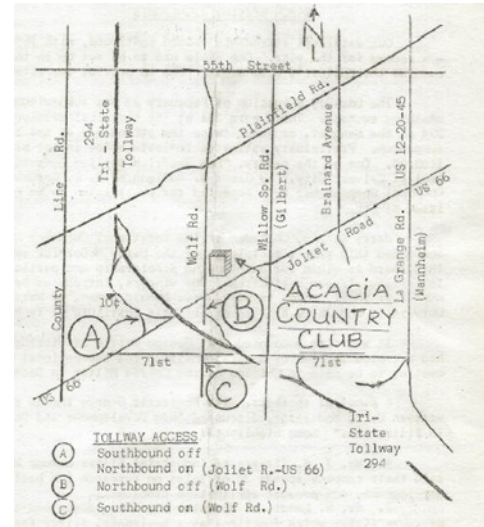


AIChE Chicago Newsletter History – Maps and Directions

by Janet Werner

Today we can all drive confidently knowing that we will never be lost because we carry maps in our pockets or purses thanks to smartphones. Some of you reading this newsletter may not have been driving before the prevalence of smartphones or GPS. How did people find their way to meetings? Let's take a look at the old AIChE Chicago newsletters!

In the late 1950s and early 1960s, monthly meetings typically rotated between a few common locations (Builders Club in Chicago, Vogel's Restaurant in Whiting, and Mangam's Chateau in Lyons). In this snippet from the April 1960 newsletter, a hand drawn map was included it was held at was held at Acacia Country Club, a non-typical location. The April 1960 meeting was the annual "Ladies Night" social where the members brought their wives to the meeting.



An alternative to hand drawn maps is written directions, as seen in this snippet from the November 1970 newsletter.

LOCATIONS:

The North Shore Hotel is located at 1611 Chicago Avenue in downtown Evanston. Northwestern's Technological Institute is six (6) blocks north. From all directions use the Edens Expressway and exit Eastbound at Dempster Street. Travel east on Dempster to Chicago Avenue (one block east of viaduct) then turn North (left). The North Shore Hotel is 7-8 blocks north of Dempster. Continue on Chicago Avenue, Sheridan Road merges with Chicago Avenue at the south edge of NU's campus. Parking lots adjacent to the Technological Institute and the Vogelback Computer Center can be used for both the pre-dinner and dinner programs.

By the early 2000s, map websites allowed people to look up directions online prior to the meeting by themselves. In the flyer for the May 2000 AIChE Chicago 75th Anniversary Diamond Jubilee, members are instructed to go to a map website to view directions.

May 2000:

Location: Como Inn
 Address: 546 N
 Milwaukee Avenue,
 Chicago IL 60622
 (312) 491-6050

For a map, type in the address
 on the website of:
[Http://maps.yahoo.com/py/maps.py](http://maps.yahoo.com/py/maps.py)

After a few years directions in the newsletter were completely omitted -- assuming people can view the location website for directions or look up maps on their own, as seen in this snippet from the February 2008 newsletter:

Location: Holiday Inn Select
<http://www.naperselect.com/>
1801 N Naper Blvd
Naperville, IL 60563
(630) 505-4900

Although I'm grateful to have a map in my pocket and voice instructions to drive even if I'm by myself, the charm and personality of a hand drawn map is something missing from Google Maps. Let us know if you make hand-drawn maps on TikTok or Instagram, and we'll follow!

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, 2025**.

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>

Note on Monthly Meeting Registration Rates

We all have been affected by the high inflation of recent years, and the AIChE Chicago Section is no exception. The registration rates have largely been unchanged for about 10 years because of other cost reduction measures, but the financial health of the section requires that the rates be increased and revised. After review of last year's financial records, we are implementing a change to our registration rates for monthly meetings.

The Member and Non-member rates are increasing by \$5. Members who are retired are expected to pay the full Member rate. Unemployed member rates will also increase, but will have a discounted rate.

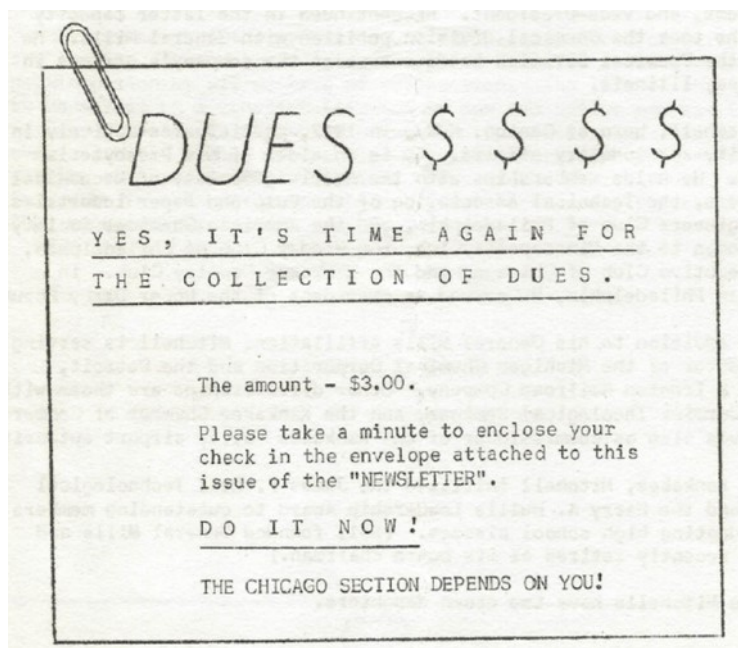
Student rates remain unchanged to encourage student attendance at our meetings. As always, we also appreciate your honest selection of the most appropriate category to register for meetings and events. As the year progresses, we may re-evaluate the registration rates. We are doing our best to keep the AIChE Chicago Section in a healthy financial position, which is the only way we can continue to serve our members -- ideally for another one hundred years!

Local Section Dues Notice

AIChE national send out their membership renewals at the end of each calendar year. Please help support us by including Chicago Local Section dues in that national membership payment – our local section dues are only \$20.

We really appreciate your financial support, especially during this Centennial Anniversary year. Without local section dues, we would not be able to hold monthly meetings, plan the Midwest Regional Conference, support local chemical engineering student chapters, or even send out this newsletter by email!

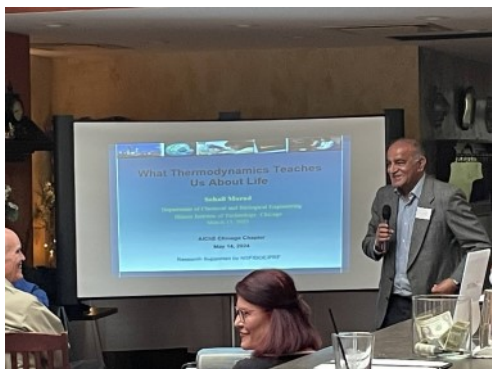
In honor the Centennial of the AIChE Chicago Section, here is a dues reminder from an old newsletter. Thank you for your support!



Dues Notice from October 1959

May Meeting Photos

Remember to check out our [Facebook page](#) for more photos and news!





September 15 to October 15 is National Hispanic American Heritage 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 paying tribute to the generations of Hispanic Americans who have positively influenced and enriched our nation and society.

[Read More »](#)

Hispanic and Latino chemists you should know about

originally published on C&EN website (9/16/21)

<https://cen.acs.org/people/profiles/Hispanic-Latino-chemists-should-know/99/web/2021/09>



Credit: Antoninho Perri (Aves); Wikimedia Commons (Barral Ruiz, del Río, Leleir, Miramontes, Molina, Stewart); University of Rochester/River Campus Libraries (Gerschman); Corbin D'Grady Studio/Science Source (Mistern); Associated Press (Villegas)



Andrés Manuel del Río

Spanish-born chemist who discovered vanadium, only element to be unearthed in Mexico.

Credit: Wikimedia Commons

Rebeca Gerschman

Argentine biochemist, Nobel Prize nominee, and first scientist to propose that free radicals can cause oxygen toxicity and cell death.



Credit: University of Rochester/River Campus Libraries



Mario Molina

Mexican chemist who shared 1995 Nobel Prize in Chemistry for work on understanding the formation and decomposition of ozone in the stratosphere.

Credit: Wikimedia Commons

Meet AIChE's 2024 Election Candidates

AIChE's Nominating Committee has announced the slate of candidates for president-elect, secretary, and four director positions for the 2025 AIChE Board. .

Voting by paper and electronic proxy ballot will begin on **Aug. 26 and end on Sept. 30**. The election results will be announced at the Annual Business Meeting.

[Link to website](#)



2023 Election Timeline

May 6 – Petition Candidate Cut-Off Date

August 12 – Election Ballot Mail Date

August 26 – Election Commences

September 30 – Election Ballot Receipt Deadline

October 28 – Election Results Announced at the AIChE Annual Meeting in San Diego, CA

[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
Improving Soft Skills Through Mentorship article- Aiche/CEP December 2020 CEP	0	
PhD Thesis		
Pressure setting for manway cover for tank emerge		original post by Ramprasad Kamisetty original post by Shantal Ramdeo
Digitalization in the process industry	21	yesterday by John Braccili Original post by Rohit Korde
Slow Progress of New-Age Tools in Chemical Engineering	6	3 days ago by Jacob Albrecht Original post by Kushal Sinha



2024 AIChE Chicago Meeting Schedule and Speakers

Month	Date	Speaker	Affiliation	Topic
Sept	18th	Reddy Karri	PSRI	Fluidization's Role in the Scale-Up and Commercialization of Sustainability and Decarbonization Technologies
Oct		Stan Carp	Citgo	
Nov		Ese Jeroro	UOP	

Upcoming AIChE Conferences, Meetings and Webinars

AIChE Conferences

Sept 9-12, 2024	2024 Annual Safety in Ammonia Plants and Related Facilities Symposium , Manchester Grand Hyatt, San Diego, CA
Sept 10, 2024	9th CCPS Canadian Regional Meeting , The BOW 500 Centre Street, SE Calgary, Alberta T2G 1A6
Sept 10, 2024	AIChE 2024 Virtual Career Fair for Professionals (virtual)
Sept 10-12, 2024	4th Optogenetic Technologies and Applications Conference , Wightman Mansion, Boston University, Boston, MA, USA
Sept 10-12, 2024	tcbiomass2024 , Westin Hotel, Itasca, IL, USA
Sept 18-20, 2024	10th Latin American Conference on Process Safety , Hilton Garden Inn Barranquilla, Barranquilla, Colombia
Sept 20-25, 2024	15th Globe Industrial Microbiology Congress & Metabolic Engineering Summit 2024 , Shanghai, China

AIChE Webinars

Sept 18, 2024	Time Management for Profit (Career) and Fun (Personal)
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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>

Next Chicago ACS general meeting:

[September 19 with Dr. Sherri Rukes, Libertyville High School](#)



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 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

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

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

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

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AIChE
Chicago
Online**

Officers and Committee Members

Chair	<i>Matt Walters</i>
Chair Elect	<i>Lance Baird</i>
Past-Chair	<i>McKay Rytting</i>
Programming	<i>Aida Amini Rankouhi</i>
Treasurer	<i>Adam Kanyuh</i>
Secretary	<i>Kashif Uddin</i>
	<i>Janet Werner</i>
Directors at Large	<i>Reza Mostofi</i>
	<i>Ha Dinh</i>
Logistics Committee	<i>Elizabeth Ibarra</i>
Publicity Committee	<i>Sanaz Taghvaii Arabi</i>
Young Professionals Committee	<i>Allison Nordvall</i>
Awards Committee	<i>Azita Ahmadzadeh</i>
Event Manager	<i>Rishabh Jain</i>
Newsletter Editors	<i>Ethan Caesar</i>
	<i>Robert Tsai</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

<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.

