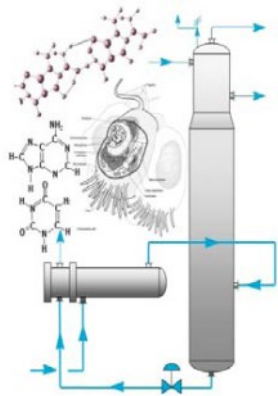


AIChE Chicago Section

May 2023 Newsletter



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AIChE Chicago May Meeting

“Thoughts on the Integration of Art, Creativity, and Innovation into Engineering Education”



Fouad Teymour

Department of Chemical and Biological Engineering

Illinois Institute of Technology

2022-2023 Thiele Award Winner

Date: ***Tuesday, May 23rd, 2023***

Location: ***caffe DeLuca***

Address: ***7427 Madison St, Forest Park, IL 60130***

<https://caffedeluca.com/>

Cost:

<i>\$40</i>	<i>AIChE Global and Chicago Section Member</i>
<i>\$50</i>	<i>Non-Member</i>
<i>\$15</i>	<i>Unemployed/Retired</i>
<i>\$10</i>	<i>Student</i>

Registration and Information: ***<https://cvent.me/1EK7xz>***

Agenda:

5:30-6:30 PM: Registration, Networking

6:30-7:30 PM: Dinner

7:30-7:45 PM: Section Announcements (AIChE Chicago Scholarships and Thiele Award)

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

Chair's Corner

Time flies especially when you are having fun! I hope all of you feel the same way about our programming year. We are in May and this means we will be having our last meeting of 2022-2023 programming year. I hope all of you enjoyed the monthly meetings, Midwest Regional Conference (MRC), Young Professionals (YP) events as well as other activities organized by the AIChE Chicago Section.



May meeting brings lot of exciting things together such as election of a new officer slate, Thiele Award announcement, Student Scholarship winners' announcement and so much more. While we are talking about awards, I would like to acknowledge and thank our sponsor bp for the Thiele Award and the donations from our members to support the scholarship fund. Our volunteers are our most precious procession and seeing them grow every year and contribute to section activities in many traditional as well as unique ways has been a joy! In May meeting, I am also looking forward to welcoming our new members joining the officer slate (biographies of the candidates and elected officers for next year is included in this Newsletter) as well as new section volunteers.

For me, personally, it has been a bit of roller coaster ride as I moved to a different state in January this year and managed the chair responsibilities from out of state but I could not have asked for more supportive, patient, and helpful board members and section volunteers who helped me and the section by going above and beyond and making this programming year a big success. I am so proud of our team that we were able to bring a diverse set of topics and speakers for our monthly meetings in a variety of formats to offer some flexibility. Overall, it has been a tremendous learning experience for me as the section Chair and to be able to work with our amazing BOD members and volunteers and learn from them has been a pure joy. I would like to express my deepest gratitude to all the current BOD members and volunteers who have been supporting both the Section operation and activities and Midwest Regional Conference- you all are amazing!

I hope you enjoyed our April meeting (which included Student Poster Competition) as well as MRC hosted at UIC. You can get a glimpse of some of the activities from this amazing conference in our newsletter. Kudos to the entire MRC team and all the volunteers for pulling together a successful and well-rounded event. For those of you who do not know this, AIChE Chicago section is one of the largest local section as well as the oldest section within AIChE. AIChE Chicago section will be completing its century (100 years) next year and it is a huge milestone for all of us to celebrate. We are so proud of our members and your continued participation in bringing us to where we are today- my sincerest thank you to each and every one of you.

As always, please do not hesitate to send your 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

May Meeting Speaker Information

Thoughts on the Integration of Art, Creativity, and Innovation into Engineering Education

Speaker's Bio:

Fouad Teymour is an educator and researcher with over 40 years of experience in academia, and some industrial engineering practice. He is Johnson Polymer professor of Chemical Engineering at Illinois Tech and the director of the Center for Complex Systems and Dynamics. He is the recipient of several awards including the 2011 University Excellence in Teaching award. He is also a playwright whose works have been produced at Chicago area theaters.



Abstract:

Specialization within the various scientific and professional disciplines has been an essential driver behind scientific advancement and technological progress. It has afforded the research community the ability, and the time, to dig deep into the minutest details of every observation, system, or process being explored. Perhaps the rapid development of vaccines in response to the COVID pandemic is the ultimate example of the utility of cultivating ranks of specialized scientists who are uniquely qualified to act under specific societal needs.

The counter argument submits that specialization has detrimental effects on the roundedness of engineering graduates who are under continuous exigent pressure to perform in an evolving business environment where additional skills residing out of their traditional experience are mandatory.

This informal conversation will propose ideas aimed at re-integrating art and science in our education curricula and assessing the value of such endeavor.

Registration: <https://cvent.me/rk2vrP>

Dr. Fouad Teymour 2022 Ernest W. Thiele Award Recipient

Congratulations to Dr. Fouad Teymour, Professor at Illinois Tech, for being awarded the 2022 Ernest W. Thiele award!

Prof. Teymour is awarded the 2022 Ernest W. Thiele Award for his leadership in polymer reaction engineering, nonlinear dynamics, and mathematical modeling. He is the Johnson Polymer professor of chemical engineering at Illinois Tech and the director of the Center for Complex Systems and Dynamics. Prof. Teymour is an educator and researcher with over forty years experience in academia, in addition to some industrial engineering practice. He is also a playwright whose works have been produced at Chicagoland theaters.

The Ernest W. Thiele award is presented annually to a Midwest region member of AIChE who has made outstanding contributions to advance the practice of Chemical Engineering. The award is sponsored by bp, and consists of a plaque and a \$1,000 honorarium.

Please join us in congratulating Prof. Fouad Teymour on his achievement. This prestigious award will be presented at the May meeting.

Ernest W. Thiele Award Recipients

YEAR	RECIPIENT	AFFILIATION	RECOGNITION & ACHIEVEMENT
2022	Fouad Teymour	IIT	For his leadership in polymer reaction engineering, nonlinear dynamics, and mathematical modeling.
2021	Edward Maginn	University of Notre Dame	For his leadership in computational molecular modeling and its application toward new technologies involving charged fluids, as well as for creation of the open-source Monte Carlo package Cassandra.
2020	Dennis O'Brien	UOP / Jacobs (retired)	For his ability to innovate and conduct original research notably in the area of detergent alkylation, and for contributing to the chemical engineering profession at both the local and national levels.
2019	Linda Broadbelt	Northwestern University	For distinguished contributions to the field of complex kinetic modeling, particularly for the development of automated mechanism generation and mechanistic models applied to diverse chemistries.
2018	Donald Chmielewski	IIT	For advances to the theory of control system design and service to our profession through mentorship, education and leadership.
2017	Doug Nafis	UOP	For innovation and development in refining and petrochemical process research and promotion of STEM with students through the "You Be the Chemist" program.
2016	Satish Parulekar	IIT	For research in biotechnology, teaching and service to AIChE.
2015	Randy Snurr	Northwestern University	For his leadership and creativity in advancing the application of nanoporous metal-organic frameworks in gas separations, gas storage, and showing the power of molecular simulation to design new absorbents.
2014	Alan Zagoria	UOP, A Honeywell Co.	For his leadership and creativity in hydrogen technology in refining and other areas.
2012	Richard Hoehn	UOP, A Honeywell Co.	For his leadership and creativity in hydroprocessing technology.
2011	Urmila Diwekar	Vishwamitra Research Institute	For leading the development of uncertainty analysis in processes
2010	J. Peter Clark	Consultant	For leading the development of numerous food products and new food preparation processes, and as a mentor and teacher.
2009	Harold H. Kung	Northwestern University	Seminal contributions to the fundamental understanding of catalytic phenomena, innovative design of novel catalytic structures, and leadership in the teaching of sustainability.
2008	Robert Lyczkowski	Argonne	Innovative application of multiphase theory and computational fluid dynamics in the areas of nuclear, fossil and biochemical engineering.
2007	Lynn H. Rice	UOP	For his fundamental contributions to the petroleum refining isomerization process.
2005	Dimitri Gidaspow	IIT	For his fundamental contributions to computational fluid dynamics, multi-phase flow and fluidized bed systems and as an educator.
2004	Ted M. Knowlton	PSRI	For his contributions to fundamental and applied research, and his leadership in the fields of fluidization and particulate solids.
2003	Ali Cinar	IIT	Contributions in process modeling, monitoring and control. As an educator championing computers and statistics.
2002	Julio Ottino	Northwestern University	Research in Chaos Theory and mixing of solids and liquids
2001	Paul Sechrist	UOP	Contributions to computational fluid Mechanics, CCR, and FCC refining processes
2000	Henry Linden	IGT (retired)	Leadership of the Institute Of Gas Tech.
1999	S. George Bankoff	Northwestern University	Heat transfer advances in chemical and nuclear engineering
1998	Arvind Varma	University of Notre Dame	Fundamental advances in synthesis of materials, catalysis and reactor stability
1997	Hamid Arastoopour	IIT	Academic leadership and environmental engineering
1996	Rathin Datta	Argonne	Original research in metabolic engineering and membranes
1995	Norman Li	UOP	Pioneering research in membranes and separations
1994	J.W. Westwater	University of Illinois	Research in Heat transfer and contributions in teaching
1993	R.J. Bertolacini	Amoco	Catalysis research innovations and leadership
1992	J.J. Carberry	University of Notre Dame	Chemical Reaction Engineering research, innovation, and education
1990	R.S. Mah	Northwestern University	Chemical Process System Analysis
1989	D.T. Wasan	IIT	Research and Progress on Separation Processes
1988	L.O. Stine	UOP	Petroleum/Petrochemical Processes
1987	G. Thodos	Northwestern University	Physical Property Advances
1986	T.J. Hanratty	University of Illinois	Advances in Fluid Mechanics
1985	B.B. Broughton	UOP	Aromatics Separation Processes, adsorptive separation
1983	E.W. Thiele	Standard Oil (Indiana)	Catalysis, Distillation fundamental advances

Congratulations to McCormack Award Winners

Each year, the McCormack award is given to one chemical engineering undergraduate student at Illinois Institute of Technology, Northwestern University, and University of Illinois at Chicago based on a combination of excellence in study, research, and extra-curricular activities. The award is presented in honor of Harry McCormack, a founding member of the AIChE Chicago section as well as long-term department chair at the Illinois Institute of Technology.

Congratulations to this year's winners!

2023 McCormack Award Recipient

Cameron Kanofsky

Illinois Institute of Technology (IIT)



Bio:

Cameron Kanofsky is a fourth-year IIT student pursuing both a Bachelor's and a Master's in Chemical Engineering. He has been very involved in his four years on campus, having been the Fundraising Chair of the IIT AIChE chapter, the three-term Secretary of the Alpha Epsilon chapter of Phi Kappa Sigma, and all of the President, Secretary, and Student Advisor of 33rd Street Productions, the theater troupe on IIT's campus.

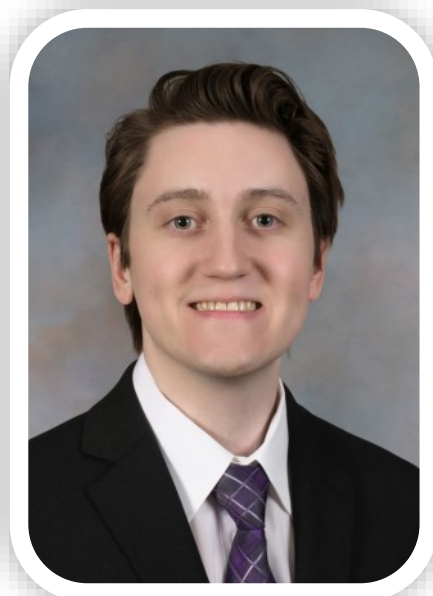
He is very passionate about both science and the arts, and when he's not doing two or three projects for his degrees, he can often be found singing, acting, or writing another play with his friends. He would like to thank all of the educators who have helped him along his journey, especially Dan Dulek, who got him interested in Chemical Engineering in the first place.

2023 McCormack Award Recipient

Justin Griffith

Northwestern University (NU)

Justin Griffith has been nominated by the Department of Chemical and Biological Engineering at Northwestern University in recognition of his outstanding achievements in coursework, research, and service to our department through tutoring, being a teaching assistant, and in the leadership of our student chapter of AIChE.



Bio:

Throughout my time at Northwestern University, I have been provided countless opportunities to explore my interests, grow as an engineer, and find my desired career path. In my sophomore year, I joined the lab of Dr. Muzhou (Mitchell) Wang, where I developed a new method for high-throughput mechanical testing of soft materials. Additionally, I spent a summer at Argonne National Laboratory researching energy-saving thermochromic window coatings with Dr. Jie Li. These experiences helped me discover my passion for research, which I now plan to pursue as a career.

Beyond my independent research, I have actively engaged with numerous organizations at Northwestern. Since my sophomore year, I have worked as a Drop-In Peer Tutor for organic chemistry courses through Northwestern's Academic Support and Learning Advancement. This past winter, I was fortunate enough to serve as a Teaching Assistant for Heat Transfer. These experiences taught me the significance of mentorship, and I have enjoyed the chance to give back to my peers. Furthermore, I have held leadership roles as the Alumni Relations Chair of Northwestern's AIChE chapter as well as the Executive Vice President of the Northwestern Evans Scholars. Both of these communities have been very meaningful to me throughout the last four years, and I'm grateful for the opportunities to make an impact.

After graduation, I will be pursuing a Ph.D. in Chemical Engineering at Massachusetts Institute of Technology, where I plan to conduct research into renewable energy technologies.



2023 McCormack Award Recipient

Rebecca Ellington

University of Illinois at Chicago (UIC)

The Department of Chemical Engineering proudly announces Rebecca Ellington as our selection for the Henry McCormack Award.



Bio:

Rebecca will be graduating in May 2023 with a 3.98 UIC GPA. During her time at UIC, Rebecca has worked with several professors on different projects, as well as been very involved in the student chapter of AIChE. She worked with Dr. Betul Bilgin on assisting a southern suburb of Chicago (University Park) with water safety testing through the National Science Foundation's S-STEM program. Her VBA programming skills helped in the development of a chemical engineering Excel calculator, which lead her to a Process Automation Internship at ProleiT by Schneider Electric in the Summer of 2022. Rebecca has been an active AIChE member her entire career at UIC, serving as the outreach chair in her junior year and as the treasurer in her senior year. She contributed significantly to the organization of the AIChE North Central Student Regional Conference 2023 hosted at UIC. Rebecca's enthusiasm for chemical engineering inspired many students to become more active in the AIChE Student Chapter. She also tutors and serves as a mentor for incoming students as a Peer Leader for the physics calc-based mechanics course for engineers at UIC. After graduation, Rebecca will continue to work at ProleiT by Schneider Electric as a Process Automation Engineer. Rebecca loves to travel and experience new cultures and will attend either the Technical University of Berlin for a master's degree in Polymer Science or the Technical University of Hamburg for a master's degree in Chemical Process Engineering in the Fall of 2023..



2023 Poster Competition Winners

Graduate Posters

First place:

“Reprocessable Polythiourethane (PTU) Dynamic Networks Exhibiting Excellent Creep Resistance at Elevated Temperature”

Logan Fenimore

Northwestern University



Undergraduate Posters

First place:

“Production of Fuel-Grade Bioethanol from Sugarcane to Support India's 2025 Ethanol Blending Program”

Daisaq Cyrilla, Mario Ocampo, David Quiroga, and Blerta Useini

UIC



Second place:

“Developing a Platform for Induced Pluripotent Stem Cell Reprogramming through Lipid Nanoparticle-Based mRNA”

Emily Kim

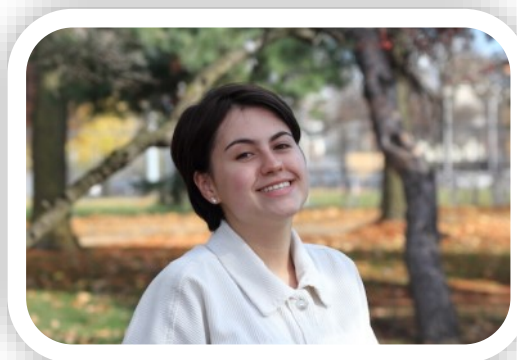
University of Pennsylvania

2023 AIChE Chicago Scholarship Winners

The AIChE Chicago section is proud to announce the award of four student scholarships this year. Congratulations to Emina Abdic, Gary Bryan Ko, Varun Maheshwari, and Andrew Merck!

Thank you as well to the members whose generous donations throughout the year help make this funding possible.

Emina is a junior majoring in Chemical Engineering at the University of Illinois Chicago (UIC) with a minor in Management Information Systems. Emina has been involved with her AIChE chapter at UIC by being a Fundraising Activities Chair and Vice President these past two years. This summer Emina will be at St. Paul, Minnesota working with Ecolab as a Supply Chain Intern developing healthcare equipment.



Emina Abdic



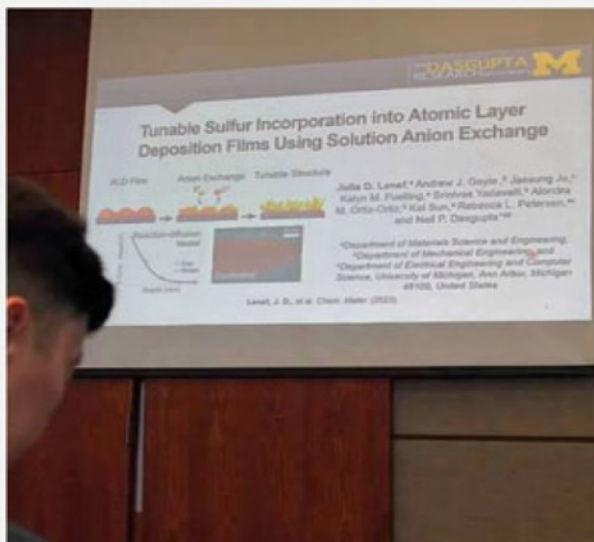
Andrew Merck

Andrew Merck is an upcoming senior in Chemical Engineering at the University of Illinois at Chicago, currently pursuing a track in Polymer and Molecular Engineering. With his degree, he is hoping to pursue and complete a Master's Program, and ultimately end up within a pharmaceutical or medical industry job. Andrew is committed to his studies and wishes all those who are also studying the best in regards to getting to the finish line.

Midwest Regional Conference 2023 Photos*



Midwest Regional Conference 2023 Photos*



Midwest Regional Conference 2023 Photos*

Poster Session & April Meeting



Midwest Regional Conference 2023 Photos*

April YP Social



MRC YP Social at Bar Louie:

*If you attended the MRC
you might be a YP ChemE,
so we took a note
to keep you afloat
and hosted a social - carefree!*

***Thank you to all the individuals and sponsors who
contributed to the MRC!***

* Photo credits to Louie Edano, Azita Ahmadzadeh, and Janet Werner

2023 MRC Conference Sponsors

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

Silver Level



Ketjen

[Ketjen](#)

Bronze Level



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Experts in Spray Technology



[Anton Paar](#)

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[Institute for Sustainability and Energy at Northwestern](#)

[Reactor Resources—Catalyst Sulfiding](#)

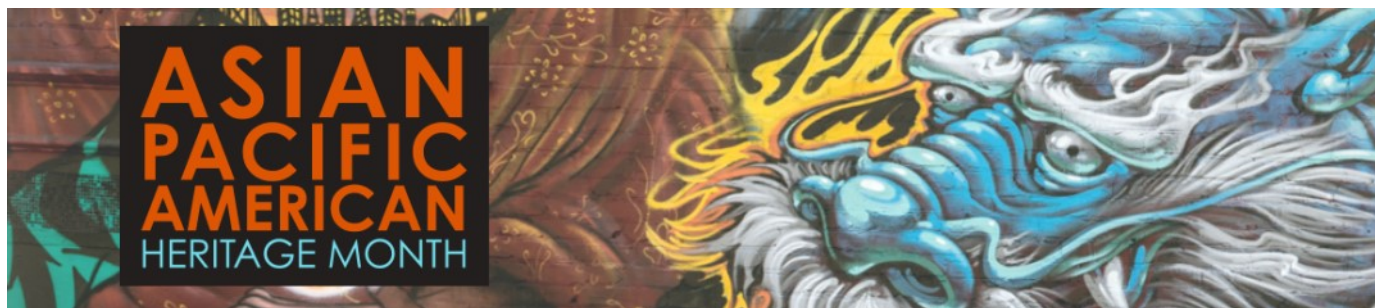
[PSRG](#)

[Spraying Systems](#)

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Private Sponsors

Dave Fisher



May is Asian/Pacific 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 Asian and Pacific Islanders who have enriched America's history and are instrumental in its future success.

[Read More »](#)

NAE Celebrates Asian American and Pacific Islander Heritage Month

In honor of Asian American and Pacific Islander Heritage Month, the National Academy of Engineering (NAE) has compiled a list recognizing the first 20 Asian American men and women (10 in each category) elected to the organization.

Notable honorees with chemical engineering backgrounds include:



Morgan Chuan-Yuan Sze (1916-2015)

NAE election: 1976; citation: "Contributions to the technology of petroleum refining and petrochemical process design and manufacture."



Rong-Yu Wan (1932–2009)

NAE election: 2000; citation: "For accomplishments in metallurgical research and industrial practice, and for teaching, supervising, and inspiring students, researchers, and industrial colleagues."



Ann L. Lee (1961-)

NAE election: 2007; citation: "For innovation and development of large-scale, cost-effective production of vaccines that have saved lives worldwide."

[Read Complete Article on NAE Website »](#)

May Is Mental Health Awareness Month

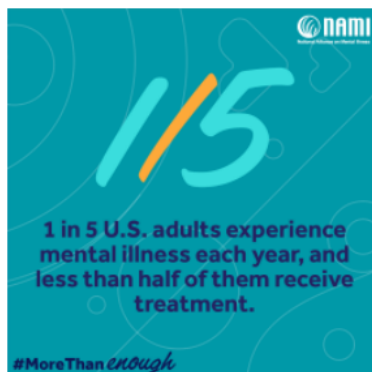


Mental Health Awareness Month has been observed in the U.S. since 1949. Every year during the month of May, NAMI joins the national movement to raise awareness about mental health. Together, we fight stigma, provide support, educate the public and advocate for policies that support the millions of people in the U.S. affected by mental illness.

This year, NAMI is celebrating Mental Health Awareness Month with the More Than Enough campaign!

It's an opportunity for all of us to come together and remember the inherent value we each hold — no matter our diagnosis, appearance, socioeconomic status, background or ability. We want every person out there to know that if all you did was wake up today, that's more than enough. No matter what, you are inherently worthy of more than enough life, love and healing. Showing up, just as you are, for yourself and the people around you is more than enough.

Please visit the NAMI website (<https://www.nami.org/Home>) to continue reading and learn how you can get involved »



2023 Meeting Schedule and Speakers

Month	Date	Speaker	Affiliation	Topic
May	Tuesday, 23rd	Fouad Teymour	IIT	Thoughts on the Integration of Art, Creativity, and Innovation into Engineering Education

Monthly meetings will resume in September

2023-2024 AIChE Chicago Elected Officers

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 intermolecular 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-elect.

Past Chair: Sarika Goel

Sarika Goel is currently Principal Engineer at Bloom Energy. Prior to Bloom Energy, she was R&D Manager in Catalysis Fundamentals and Applications Group at Honeywell UOP where she led the group in the generation of catalysis fundamentals that enabled and accelerated UOP efforts in new growth areas and in core adjacencies. Prior to this, she was Senior R&D Scientist in the Hydroprocessing and Renewables group where she led hydrocracking (HCK) catalysts development and delivered new naphtha HCK catalyst and high-performance HCK catalyst platform. Before that, she worked in Exploratory Research Group where she led projects to develop breakthrough paraffin cyclization catalysts and Hybrid Reforming Process. Sarika received her Bachelor of Technology degree in Chemical Engineering from the Indian Institute of Technology-Delhi in India in 2009 and her PhD in Chemical Engineering from the University of California at Berkeley in 2015 under the guidance of Prof. Enrique Iglesia and Dr. Stacey Zones (Chevron). She was awarded the AIChE 35 under 35 award in 2020, IPMI Metalor Technologies Graduate Student Award by International Precious Metals Institute (sponsored by Metalor Technologies) for outstanding work in precious metal research in 2014 and Heinz Heinemann Award for Excellent Graduate Research in Catalysis in 2014. She is a Senior member of AIChE and serves in the programming committee for AIChE Catalysis and Reaction Engineering Division (CRE) and as Communications Director in AIChE Fuels & Petrochemicals division (F&PD). Sarika served as AIChE Chicago Section Chair in 2022-2023, Co-Vice Chair of Programming for the AIChE Chicago Chapter from 2018 to 2020, newsletter editor and webmaster for AIChE F&PD in 2020-2021, fundraising co-chair of NAM26 in 2019, and AIChE Spring meeting programming chair in 2019 and fall chair in 2021 for Women in Chemical Engineering (WIC).



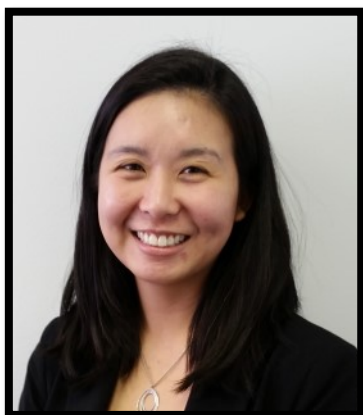
2023-2024 AIChE Chicago Elected Officers

Director at Large: Jarad Champion (continuing)

Jarad Champion is a licensed chemical engineer at Geosyntec Consultants with 17 years of experience working on hazardous waste cleanup and water resources projects. He has a BS in chemical engineering from University of Illinois at Urbana Champaign and a MS in environmental engineering from Northwestern University. Mr. Champion is a board-certified environmental engineer by the American Academy of Environmental Engineers and Scientists. Mr. Champion has worked on treatment systems and regulatory compliance for remediating groundwater impacted by chemical releases sites across the nation. He has also prepared engineering evaluations for coal ash wastewater and other industrial water systems. Mr. Champion previously served as the Secretary for the AIChE Chicago Section in 2014-2016 and as the Chair in 2019-2020, when he led the Chicago Section Board in transitioning their services during the onset of the COVID pandemic.



Director at Large: Janet Werner (continuing)



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, Newsletter Editor, and Webmaster. Janet has also been involved in the Midwest Regional Conference Committee on the Sponsorship Sub-Committee and the 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.

2023-2024 AIChE Chicago Committee Members

Logistics Committee: 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. He is currently serving AIChE Chicago as the House Committee Chair.

Logistics Committee: Kashif Uddin

Kashif Uddin received his Bachelor of Science in Chemical Engineering from Illinois Institute of Technology in 2017. Since then, he has been working as a Chemical Engineer for over 5 years now in various industries ranging from silicone foam/elastomers high performance materials, biopharma, and agrochem. He's held various positions ranging from Process to Project engineering to his most current role of R&D Process Engineer at Hazel Technologies Inc. He currently lives in Chicago with his wife and two cats. He enjoys playing basketball, soccer, and tennis, cooking, and reading. Kashif is currently a member of the AIChE Chicago Young Professionals and a member of the House 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.

2023-2024 AIChE Chicago Committee Members

Newsletter Editor: Rosmer Chirino

Rosmer Chirino is a Lead Chemical Engineer in the Technical Service group at Honeywell UOP, where he provides technical support and develops tools for refining and petrochemical applications. He has over 14 years of experience in the Oil & Gas sector, having worked as a Sr. Process Engineer in various countries such as Venezuela, Bolivia and the US. He has expertise in troubleshooting process and developing process simulation for different units, including Crude Units, Aromatics Units, Gas Liquefaction Plants and others. He holds a BS in Chemical Engineering from Francisco de Miranda University (Venezuela) and is a senior member of AIChE. He has been active in the AIChE Process Separation Forum and plans to contribute to the Chicago Local Section in 2023. He is passionate to learn about AI technologies and try new restaurants.



Newsletter Editor: Robert Tsai



Bob Tsai is in the Technical Sales Tools group at Honeywell UOP and is responsible for supporting and improving the execution of customer proposals via software-based solutions. He has been with Honeywell UOP for almost 13 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 over 10 patents during his career. Bob holds a BS in Chemical Engineering from the University of Illinois at 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, and served as Chair of the 2021 AIChE Midwest Regional Conference.

Proposed Slate for 2023-2024

Chair-Elect: Matt Walters



Matt Walters worked as an engineering consultant at Exponent through May 2023. At Exponent, Matt provided incident investigation and process safety consulting services, including the investigation of fires, explosions, and chemical releases. This June, Matt will be joining the U.S. EPA Region 5 headquarters in downtown Chicago within the Air Enforcement and Compliance Assurance Section. Matt holds B.S. degrees in Chemistry and Chemical Engineering from Purdue University, as well as M.S. and Ph.D. degrees 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..

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.

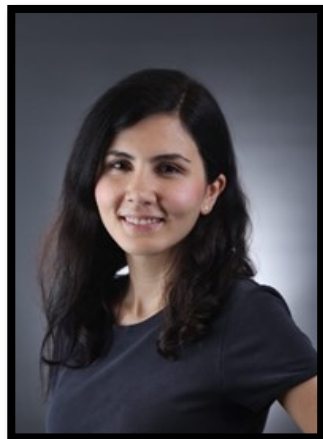


During his years at IIT till now, Reza has presented his work at AIChE meetings and chemical engineering journals and has also reviewed papers for different journals and meetings. He has co-authored and presented more than 30 papers and in co-inventor of more than 30 US and non-US patents.

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

Proposed Slate for 2023-2024

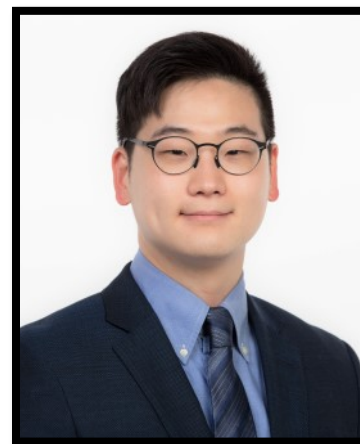
Vice Chair of Programming: Aida Amini Rankouhi



Aida Amini-Rankouhi is currently Sr. Advanced Application/System Sales Engineer in the Technical Sales Tools group at Honeywell UOP, where she is involved in technical sales support and tool development activities in refining and petrochemical areas. Aida started her career with Honeywell about 4.5 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.

Vice Chair of Programming: Yechan Won

Yechan Won is a senior staff professional at Geosyntec Consultants. Yechan Won earned his B.S. in chemical engineering from Worcester Polytechnic Institute and M.S./Ph.D. in environmental engineering from Northwestern University. He focused on the synthesis and application of various materials, including TiO₂ based composites and polyelectrolyte complexes. At Geosyntec Consultants, his work involves conducting mass balance calculations for industrial facilities and developing capital and O&M cost estimates for major industrial wastewater treatment plants. Yechan also has experience troubleshooting and developing equipment and operational upgrade recommendations for industrial wastewater treatment plants.



Proposed Slate for 2023-2024

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: Rishabh Jain

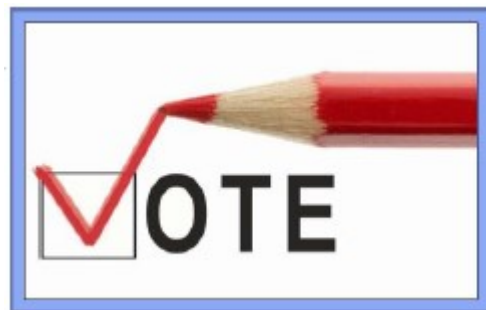


Rishabh Jain is currently working as a R&D scientist in hydroprocessing group at Honeywell UOP where he supports catalyst development for hydroprocessing and renewable technologies. Rishabh joined Honeywell UOP in 2022. Rishabh received his Bachelor of Technology (B.Tech.) degree in Chemical Engineering 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.

Election of Section Officers

ABSENTEE BALLOTS

At the May meeting, AIChE Chicago will be holding the annual election of local section officers. The proposed slate of officers for fiscal year July 1, 2023—June 30, 2024 is included in this newsletter. The slate will be voted upon at the May meeting. At the meeting, there will be one last call for nominations before the vote begins. Absentee ballots will be counted before the meeting. If no other nominations are received, a voice vote will be called for the proposed slate. If additional nominations are received, a vote will be called for each individual position.



Members may send in an absentee ballot to aichechicago@gmail.com

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.

Upcoming AIChE Conferences, Meetings and Webinars

AIChE Conferences

May 21 - 25, 2023	Fluidization XVII , Scotland, United Kingdom
May 30 - June 2, 2023	2023 Synthetic Biology: Engineering, Evolution & Design (SEED) , Los Angeles, California
June 11 - 15, 2023	Metabolic Engineering 15 , Marina Bay Sands, Singapore
June 12 - 15, 2023	2023 Dow Sponsored CCPS Process Safety Faculty Workshop , Freeport, TX
June 13 - 15, 2023	2023 Process Development Symposium , Hyatt Regency Vancouver, Vancouver, Canada
June 13 - 15, 2023	2023 International Mammalian Synthetic Biology Workshop (mSBW) , Holiday Inn San Jose-Silicon Valley, San Jose, California, USA
June 26 - 28, 2023	2023 Process Development Symposium Europe , DECHEMA-Haus, Frankfurt am Main, Germany

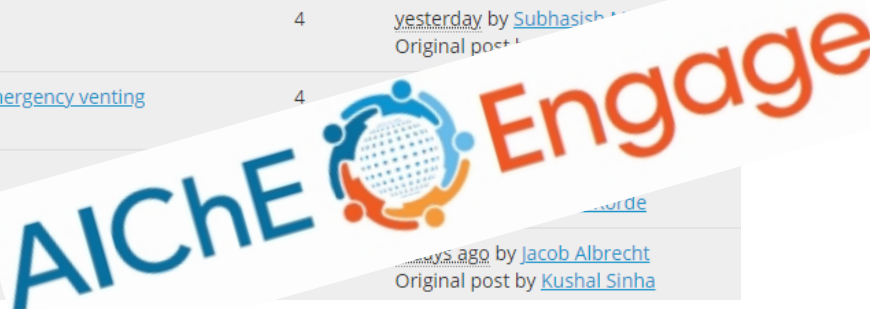
AIChE Webinars

May 17, 2023	Art and Science of Chemical Process Development & Manufacturing Simplification
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[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	9 hours ago by Christopher Semonelli
PhD Thesis	4	yesterday by Subhasish Original post by Subhasish
Pressure setting for manway cover for tank emergency venting	4	
Digitalization in the process industry		
Slow Progress of New-Age Tools in Chemical Engineering		1 day ago by Jacob Albrecht Original post by Kushal Sinha



Why Renew Your AIChE Membership?

[Renew Membership](#)

Renew your membership now to keep learning and growing.

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
13964 Doral Lane
Homer Glen, IL 60491
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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Chair	<i>Sarika Goel</i>
Chair Elect	<i>McKay Rytting</i>
Past-Chair	<i>Ha Dinh</i>
Programming	<i>Belma Demirel</i>
	<i>Aida Amini Rankouhi</i>
Treasurer	<i>Jeffrey Zalc</i>
Secretary	<i>Rishabh Jain</i>
Directors at Large	<i>Jarad Champion</i>
	<i>Janet Werner</i>
	<i>Robert Tsai</i>
House Committee	<i>Lance Baird</i>
	<i>Kashif Uddin</i>
Publicity Committee	<i>Sanaz Taghvaii Arabi</i>
Young Professionals Committee	<i>Ruben Barajas</i>
Newsletter Editors	<i>Yechan Won</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.

