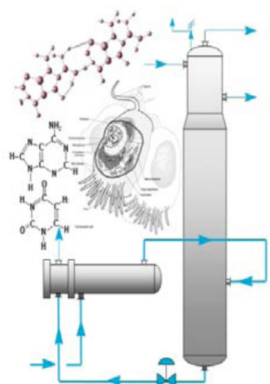


December Newsletter

Chicago Section

www.aiche.org/Chicago

December 2019



Inside this issue:

November Meeting	2
MRC 2020– Keynote Speakers	3
January Meeting, Save the Date	4
Bio of MRC 2020– Keynote Speakers	5
Thiele Award Nomination	8
Chicago Section's scholarship pro-	10
Volunteer needed for Local Section	11
Calendar of event	12



Season's Greetings

*Remember! Renew your AIChE Membership
by 12/31/2019*

Chicago Local Section dues are only \$20 and support key initiatives!

<http://www.aiche.org/community/membership/renew>

November Meeting



2020 AIChE Midwest Regional Conference

Registration is Now Open

<http://www.cvent.com/d/jhqp8f/4W>

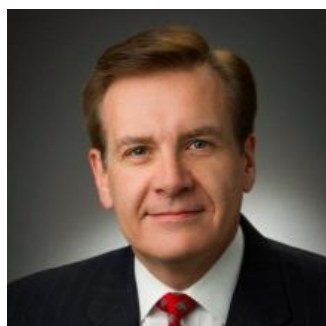
Chicago, IL, **March 11-12, 2020**

Hosted by: Illinois Institute of Technology

Organized by Chicago Local Section of AIChE



Keynote Speakers



Michael J. Graff

Chairman, CEO and President, American Air Liquide Executive Vice President, Air Liquide Group



Jeff Garascia

Chief Innovation Officer
Marmon Holdings



Matthew Tirrell

Professor and Dean
Pritzker School of Molecular Engineering,
University of Chicago

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Keynote Speakers



Keith A. Couch

Senior Director, Technology Sales and Integrated Projects

Honeywell UOP, Des Plaines, Illinois, USA



Cathy Stepp

Regional Administrator, US EPA Region 5

Save the Date
Chicago Section January Meeting
Friday January 24, 2020

MIDWEST REGIONAL CONFERENCE 2020 KEYNOTE SPEAKERS MRC 2020

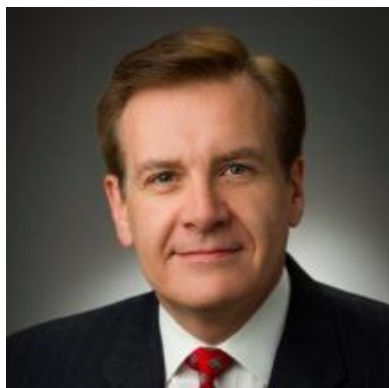


Jeff Garascia

Chief Innovation Officer, Marmon Holdings

Jeff Garascia has been the Chief Innovation Officer of Marmon Holdings since July 2017. In this position, Jeff advises presidents of Marmon's ten operating sectors to help stimulate product innovation in their businesses, create new ideas and approaches, and identify innovation talent. Additionally, he is responsible for various "think tank" initiatives, the Marmon Innovation Council, and the Marmon Patent Society. Prior to this Jeff was the Senior Vice President, Growth & Innovation for Marmon Beverage Technologies, leading strategy and innovation teams in areas including engineering, product management, marketing, and consumer research, as well as the research and development center in India. Before joining Beverage Technologies in 2013, Jeff spent seven years with Scotts Miracle-Gro in senior management positions in global strategy, R&D, and business development. He previously was with the Booz, Allen & Hamilton consulting firm for eight years in progressive roles culminating in his appointment as a Principal in the firm. Jeff earned a B.S. in Electrical Engineering from the University of Houston and a M.S. and Ph.D. in Industrial Engineering, both from the University of Cincinnati.

MIDWEST REGIONAL CONFERENCE 2020 KEYNOTE SPEAKERS, MRC 2020



Michael J. Graff,
Chairman, CEO and President, American Air Liquide
Executive Vice President, Air Liquide Group

Mike Graff joined Air Liquide in 2007 and currently serves as executive vice president and executive committee member of Air Liquide S.A., chairman and chief executive officer of American Air Liquide Holdings, Inc., chairman of the board of Airgas, and board member of Air Liquide Sante Intl. As executive vice president of the Group's Americas Hub, Graff leads business operations for North America, South America, Central America, and the Caribbean from its Houston, Texas headquarters. He is also the global chairman of the Group's Electronics business line and has oversight for safety and industrial systems worldwide. Graff is a senior executive with over 30 years of experience in the energy, chemicals and polymers industries across the Americas, Asia, and Europe. He began his career with Amoco and BP, plc. and went on to serve as president or chief executive officer of several global chemical and polymer businesses. Graff serves on the board of directors of Westlake Chemical Corporation and is a former director of the Lubrizol Corporation. He also serves on a number of industry and civic boards including as an executive committee member of the American Chemistry Council and as a principal of the Bipartisan Policy Center's American Energy Innovation Council. Graff was a 2016 recipient of the Illinois Institute of Technology's Alumni Association's Professional Achievement Award and is a member of both the University's Board of Trustees and the Armour College of Engineering Board of Advisors. He has served on the New Directions Industrial Advisory Board of Purdue University's department of Chemical Engineering, where he has also been recognized as a recipient of the University's Outstanding Chemical Engineer and Distinguished Engineering Alumni awards. He also serves on the board and executive committee of Children at Risk, and is an active member of The Baker Institute of Rice University, Junior Achievement of Southeast Texas, and the Barbara Bush Literacy Foundation. Graff holds a bachelor's degree in chemical engineering from the Illinois Institute of Technology and a master's degree in chemical engineering from Purdue University. He studied business at the University of Chicago and completed executive management programs at the Wharton School of the University of Pennsylvania, the University of Cambridge, and the Stanford University Law School. Along with his family, Graff participates in a variety of community service programs and activities. He is a strong advocate for STEM education, literacy and youth athletics.

MIDWEST REGIONAL CONFERENCE 2020 KEYNOTE SPEAKERS



Matthew Tirrell

Professor and Dean Pritzker School of Molecular Engineering, University of Chicago

Matthew Tirrell's research has been in the fields of polymer interfaces, dynamics, fluid phase behavior and nanomedicine. He is particularly known for his work on polymer brushes, surface force measurement, peptide amphiphiles and polyelectrolyte complex phase behavior. In 2011, Matthew Tirrell was appointed as the founding Pritzker Director and Dean of the Faculty of the Institute for Molecular Engineering and established the first University of Chicago engineering program, which he continues to oversee (now the Pritzker School of Molecular Engineering). Professor Tirrell simultaneously served as Deputy Laboratory Director for Science (September 2015 - April 2018) and Chief Research Officer (January 2017 - March 2018) at Argonne National Laboratory. Immediately prior to joining the University of Chicago, he was the Arnold and Barbara Silverman Professor and Chair of Bioengineering at the University of California, Berkeley, with additional appointments in chemical engineering and materials science & engineering, as well as a Faculty Scientist appointment at the Lawrence Berkeley National Laboratory. Dr. Tirrell completed ten years as Dean of Engineering at the University of California, Santa Barbara on June 30, 2009. From 1977 to 1999, he was on the faculty of Chemical Engineering and Materials Science at the University of Minnesota, where he served as department head from 1994 to 1999. Tirrell received a B.S. in Chemical Engineering at Northwestern University in 1973 and a Ph.D. in 1977 in Polymer Science from the University of Massachusetts. He has co-authored about 400 papers and one book, has supervised about 100 Ph.D. students and 50 postdoctoral researchers. Professor Tirrell is a member of the National Academy of Engineering, the National Academy of Sciences, the American Academy of Arts & Sciences and the Indian National Academy of Engineering, and is a Fellow of the American Institute of Medical and Biological Engineers, the AAAS, and the American Physical Society.

MIDWEST REGIONAL CONFERENCE 2020 KEYNOTE SPEAKERS,



Cathy



Keith A. Couch

Senior Director, Technology Sales and Integrated Projects
Honeywell UOP, Des Plaines, Illinois, USA

Keith A. Couch is Senior Director of global Technology Sales and Integrated Project Solutions (IPS) teams within UOP's Petrochemicals & Refining Technologies (PRT) business. Keith's team spans the US, UK, India, China and Malaysia offices. The focus of the organization is to drive improved client value creation and business operations for both discrete and integrated projects. He has over 28 years of international experience that has included Manufacturing, R&D, Field Service, Technical Service, Technical Sales and Business Management. Keith is recognized as a technologist and author with 27 patents and 18 industry publications. He holds a B.S. degree in Chemical Engineering from Louisiana Tech University and a Master of Business Administration from the University of Chicago, Booth School of Business.

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 \$1000 honorarium presented at our sectional 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, 2020**.

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

Jim Simnick
BP Amoco Complex, 603-2W 150 W
Warrenville Road, Naperville, IL 60566
Ph 331-702-4071 (office)
Ph 630-269-8662 (cell)

MIDWEST REGIONAL CONFERENCE 2020 KEYNOTE SPEAKERS

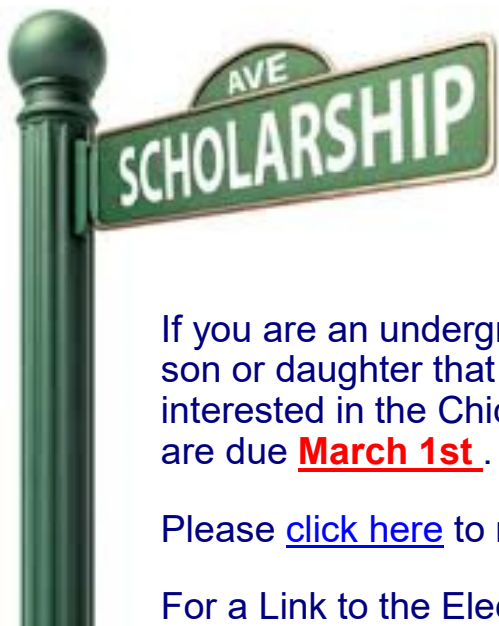


Cathy Stepp

Regional Administrator, US EPA Region 5

Cathy Stepp serves as the Regional Administrator for EPA Region 5. Her responsibilities include overseeing environmental protection efforts in the Great Lakes states of Illinois, Indiana, Michigan, Minnesota, Ohio and Wisconsin, as well as 35 federally recognized tribal governments. One of her roles is manager of EPA Great Lakes National Program, in which she leads restoration and protection of the largest freshwater system in the world. Before joining Region 5, she was principal deputy regional administrator for EPA Region 7. Ms. Stepp served as the secretary of the Wisconsin Department of Natural Resources from 2011 to 2017. As state cabinet secretary, she led the third largest state agency with about 4,000 employees and was responsible for state enforcement and protection of wildlife, fisheries, state parks, trails, forests and environmental permitting. Ms. Stepp also served as a Wisconsin state senator from 2003 to 2007, where she represented nearly 160,000 constituents and authored and advanced legislation on regulatory reform, job creation and other issues. Prior to entering public service, Ms. Stepp owned a small business, a home-building company.

Attention Students and Parents!



If you are an undergraduate chemical engineering student or have a son or daughter that plans to study chemical engineering you may be interested in the Chicago Section's scholarship program. Applications are due **March 1st**.

Please [click here](#) to read rules and eligibility.

For a Link to the Electronic Version of the AIChE Chicago Scholarship Application Form, Click on the Link Below:

<http://form.jotform.us/form/42814483647159>

Reminder—Use your credits!

AIChE Global professional members get six free credits each year, good for live or archived content, with permanent access to the content selected. If you haven't used all your credits, they will expire at the end of the year.



Check out the archived webinars and conference presentations [available at the AIChE website](#), and be sure to renew your membership to get six free credits good for next year!

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 local network grows.

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](#)

[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.

Upcoming AIChE Conferences, Meetings & Webinars

Chicago Local Meetings

January 24, 2020	Speaker: Dan G. Marginean, Electron Beam Technologies, Inc.
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AIChE Conferences

March 11-12, 2020	Midwest Regional Conference 2020, Chicago, IL
March 26-29, 2020	2020 Southern Student Regional Conference , Auburn, AL
March 27-29, 2020	2020 Southwest Student Regional Conference , Beaumont, TX
March 29-April 2, 2020	2020 AIChE Spring Meeting and 16th GCPS, Houston, TX
April 3-4, 2020	2020 Western Student Regional Conference , Davis, CA
April 3-4, 2020	2020 Rocky Mountain Student Regional Conference , Socorro, NM
April 3-4, 2020	2020 Mid-America Student Regional Conference , Lincoln, NE
April 4-5, 2020	2020 Eckhardt Northeast Student Regional Conference , Boston, MA
April 10-12, 2020	2020 Pacific Northwest Student Regional Conference , Pullman, WA
April 17-18, 2020	2020 North Central Student Regional Conference , Akron, OH
April 24-25, 2020	2020 Mid-Atlantic Student Regional Conference , Blacksburg, VA
June 1-3, 2020	2020 Process Development Symposium, Philadelphia, PA
June 2-3, 2020	2020 Delaware Chemical Ventures Conference, Delaware

Officers and Contact Information

Chair	Jarad Champion
Chair Elect	Jeff Zalc
Chair Programming	Ha Dinh
	Sarika Goel
Secretary	Ben Ketter
Treasurer	McKay Rytting
Directors at Large	Adam Kanyuh
	Pat Shannon
	Olha Zvarych
House Committee	Paolo Palmas
	Lance Baird
	Asmara Soomro
Newsletter Editors	Riya Narjari rnarjari@hawk.iit.edu
	Azita Ahmadzadeh azita.ad@gmail.com

AICHE CHICAGO SECTION

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Glen, IL 60491
aichechicago@gmail.com

We are on the web
www.aiche.org/Chicago

We want you for AIChE-Chicago!

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.

AIChE Publicity Committee Fees	Academic (non-AIChE)		Company		Recruiters	
	Per Month	Per Year	Per Month	Per Year	Per Month	Per Year
Advertisements (3X3)	100	450	150	675	N/A	N/A
Half-Page (~7"x 4.5")	280	1260	420	1890	N/A	N/A
Job Posting (Size?)	50	225	100	450	250	N/A
Special Sizing	Contact Publicity Committee aichechicago@gmail.com					

For the purchase of a year ad, customers have the option of changing ads/jobs month to month. Online payment can be done using <http://www.cvent.com/d/9cq5pw/4W>

Student and AIChE Member Related Postings are Free.

