

October Section Meeting: Producing Diesel Fuel from Waste and Renewable Sources

Producing diesel fuel, and to a lesser extent other transportation fuel, from waste products such as beef and chicken fats, used cooking oils, and agricultural products and by-products is a way many fossil fuel-based refineries are choosing to meet sustainability goals. Due to country and state government incentive programs, refiners can make these operations profitable at the same time. This presentation will briefly cover the relevant regulations and how they impact investments, both current and future, as well as the various technologies utilized to produce renewable fuels. We will discuss some of the key operating challenges and the impact on the environment.



October Section Meeting

Topic: Producing Diesel Fuel from Waste and Renewable Sources

Speaker: Julie Valentine, Director of Global Refining Measurement Solutions for Emerson

Date: Tuesday, October 19th

Time: 5:30 – Career Discussion
5:45 – Presentation and Q & A

Cost: Free, Registration Required

Location: Online Zoom meeting

REGISTRATION REQUIRED.

More information can be found on our [website](#).

[Register](#)

After you register, you will receive instructions via email for joining the meeting.

Speaker Biography: Julie Valentine is the Director of Global Refining Measurement Solutions for Emerson, focusing now primarily on measurement solutions that impact sustainability programs (renewable fuels, the hydrogen value chain, and carbon capture/storage). Julie first joined Emerson in 1993, and has held various roles in the organization, always in support of technologies utilized in the refining and petrochemical industries. Julie has authored numerous technical papers on various applications of instrumentation technology in the refining industry and is a co-inventor in two U.S. patents. She is a member of several working committees for the instrumentation and control group of API's Refining and Equipment Standards Program, AIChE, and various Women in Engineering and STEM programs. Julie is a graduate of the Colorado School of Mines in Golden, CO with a B.S. degree in Chemical and Petroleum Refining Engineering. Before joining Emerson, she worked for UOP, primarily in the technical services group where she was involved in process commissioning, start-up and troubleshooting.

Register Today for Future City in Colorado – as a Mentor or Judge

What is Future City? Future City is a project-based learning program where students in 6th, 7th, and 8th grades imagine, research, design, and build cities of the future. See more [HERE](#) about Future City. This program cycle, Future City challenges 6th, 7th & 8th grade students to: Design a waste-free city using the principles of a circular economy. What is a circular economy? It is a sustainability approach based on nature's circular system and

the idea of designing waste out of the production process. [Learn More Here!](#)

Student teams work with their educator and STEM mentor to create their competition deliverables:

- Essay: 1,500 words to describe their future city.
- Model: Teams get creative and build one model or multiple model segments to show off different parts of their city.
- Project Plan: Keeps students organized and on top of all the details.
- Presentation Video: Students showcase their city in a short video.
- City Q&A: Impress judges with their knowledge!

Mentors - Sign up for Future City and pass along your professional STEM experience and knowledge to students.

Judges - Sign up for Future City and be amazed at students' innovative solutions. Note: It is too early to confirm if the regional competition will be in-person or virtual - stay tuned! I am ready to sign up! [Let's start my registration.](#)

CALL FOR PRESENTERS

Do you have a presentation to share with our AIChE group? We are looking for presenters for our 2021-22 program year. Contact [Nick Thornburg](#) with your ideas.

AIChE Meetings

2021

- Oct 12 [Live Webinar: Achieving Repeatable Golden Batch Outcomes](#)
2:00 pm EDT
- Oct 14-15 [Int'l Chemical Ventures Conference](#)
Virtual
- Oct 18-20 [6th Bioengineering & Translational Medicine Conference](#)
Virtual
- Oct 19-20 [3rd Engineering Cosmetics and Consumer Products Conference](#)
Virtual
- Nov 7-19 [2021 AIChE Annual Meeting](#)
Boston Nov 7-11
Virtual Nov 15-19

National AIChE Contact Info

AIChE Customer Service Center:
(US/Canada): 1-800-AIChemE
(1-800-242-4363)
(International): 203/702-7660
E-mail: CustomerService@aiche.org
Member Services: 800.242.4363
Career Services: 646.495.1330
Awards & Honors: 646.495.1317
Address: 120 Wall Street, 23rd floor
New York, NY 10005
Web Page: <http://www.aiche.org>

Rocky Mountain Local Section AIChE Officers

Marc Paffhausen	Chair	406/544-5871 Marc.Paffhausen@northwestern.com
Nick Thornburg	Program Chair	303/506-9824 nicholasthornburg2017@u.northwestern.edu
Pete Sharpe	Treasurer	713/409-7360 Pete.Sharpe@emerson.com
Mike Mutnan	Secretary	303/423-1586 michaelmutnan@live.com
Kevin Milliman	Director	303/515-1027 Kmilliman94@gmail.com
Mike Moes	Communication	303/915-1238 mmoes@ekiconsult.com
Dr. Corey Leclerc	New Mexico Liaison	575/835-5293 corey.leclerc@nmt.edu
Corby Anderson	Colorado Liaison	303/273-3580 cgandersmines@gmail.com
Joseph Menicucci	Montana Liaison	406/994-1564 Open Liaison for other states including South Dakota and Wyoming joseph.menicucci@montana.edu
Laura Moes	Editor and Web Admin	303/770-2432 lauramoes@msn.com

Rocky Mountain AIChE News is published nine times a year by the Rocky Mountain Local Section (RMLS) of AIChE. Opinions expressed herein are those of the authors and are not necessarily those of AIChE nor the officers of this section.

The objectives of AIChE are to advance chemical engineering in theory and practice, to maintain a high professional standard among its members, and to serve society, particularly where chemical, engineering can contribute to the public interest.
AIChE Rocky Mountain is a public non-profit 501(c)(3)

MEETING SCHEDULE

The Rocky Mountain Local Section (RMLS) of AIChE generally meets the second or third Tuesday of every month, September through May.

VOLUNTEER AS A YOUNG PROFESSIONAL LIAISON (YPL)

We are looking for Young Professional Liaisons for each state – CO, NM, WY, SD & MT. Please send nominations to any section officer listed above.