

May 6-10, 2024

Hilton Garden Inn, Jordan Creek
West Des Moines, IA



BIOFUELS

ACADEMY

AGENDA



**LALLEMAND BIOFUELS
& DISTILLED SPIRITS**

Hotel Registration

Contact the Hilton Garden Inn West Des Moines at 1- 515-223-0571 or visit:
<https://www.hilton.com/en/attend-my-event/dsmwhgi-mand-adac384e-682d-4b1a-ad5b-5e833e89894f/>
for reservations.

Lallemand Biofuels & Distilled Spirits has negotiated a limited number of traditional king rooms at a discounted rate of **\$139.00** plus tax/night.

Reservations must be received by April 19, 2024 to receive the discounted rate.
After April 19, the rate will increase.

Monday Evening, May 6, 2024

There are no formally scheduled events for Monday evening, but for those wishing to pick up course materials, the registration table will be open from 6 to 7:30 pm.



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Tuesday

May 7, 2024

7:30 am – 8:30 am	Registration Open (Breakfast)
8:30 am – 8:45 am	Introduction to Course Francois van Zyl, Lallemand Biofuels & Distilled Spirits
8:45 am – 9:00 am	Company Overview Craig Ammann, Lallemand Biofuels & Distilled Spirits
9:00 am – 9:30 am	RFA - Biofuels Industry Update Tad Hepner, Renewable Fuels Association
9:30 am – 10:10 am	Exploring Feedstocks: The Backbone of Fuel Ethanol Production Jayne Kalbfleisch, Lallemand Biofuels & Distilled Spirits
10:10 am – 10:30 am	COFFEE BREAK
10:30 am – 11:15 am	Milling Matters: Best Practices for Ethanol Biorefineries Alex Sexton, Lallemand Biofuels & Distilled Spirits
11:15 am – 12:00 am	Enzymes as Processing Aids in Alcohol Production Phil Shaffer, Lallemand Biofuels & Distilled Spirits
12:00 am – 1:00 pm	LUNCH
1:00 pm – 1:45 pm	Introduction to the Front End and Troubleshooting Josh Bakken, Lallemand Biofuels & Distilled Spirits
1:45 pm – 2:30 pm	Fundamentals of Yeast & Nutrition Jim Miers, Lallemand Biofuels & Distilled Spirits
2:30 pm – 2:55 pm	SNACK BREAK
2:55 pm – 3:40 pm	Managing Propagation & Optimization Spenser Burden, Lallemand Biofuels & Distilled Spirits
3:40 pm – 4:05 pm	Breakout Group Sessions #1 LBDS Technical Team
4:05 pm – 4:20 pm	Take Home Troubleshooting Exercise Michael Humphrey, Lallemand Biofuels & Distilled Spirits
6:00 pm – 9:00 pm	NETWORKING RECEPTION



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Wednesday

May 8, 2024

7:30 am – 8:30 am	Breakfast
8:30 am – 9:15 am	Managing Fermentation Lindsey Mathiesen, Lallemand Biofuels & Distilled Spirits
9:15 am – 9:55 am	Bacterial Contamination Rachel Murdy, Ph.D, Lallemand Biofuels & Distilled Spirits
9:55 am – 10:20 am	COFFEE BREAK
10:20 am – 11:05 am	Hygienic Practices in Ethanol Plants Shelly Siemonsma, Lallemand Biofuels & Distilled Spirits
11:05 am – 11:30 am	Breakout Group Sessions #2 LBDS Technical Team
11:30 am – 12:30 pm	LUNCH
12:30 pm - 1:15 pm	Troubleshooting in a Fuel Ethanol Production Facility Ben Sunderhaus, Lallemand Biofuels & Distilled Spirits
1:15 pm – 2:10 pm	Corn Oil Centrifuge Operation Christopher Clausen, Trucent
2:10 pm – 2:35 pm	SNACK BREAK
2:35 pm – 3:35 pm	Troubleshooting Exercise - Panel Ben Sunderhaus, Lallemand Biofuels & Distilled Spirits
3:35 pm – 4:00 pm	Breakout Group Sessions #3 LBDS Technical Team
4:00 pm – 4:30 pm	State of the Industry Joe Kakesh, Growth Energy
4:30 pm – 5:00 pm	The Production of Whiskey & Other Distilled Spirits Valerie Preston, Lallemand Biofuels & Distilled Spirits
8:00 pm – 11:00 pm	Attendee Event



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Thursday

May 9, 2024

7:30 am – 8:30 am	Breakfast
8:30 am – 9:30 am	Theory & Principles of Vacuum Distillation Operation Chuck Gallop, ICM
9:30 am – 10:10 am	Understanding Fusel Implications Matt Hawkins, Ph.D, Lallemand Biofuels & Distilled Spirits
10:10 am – 10:35 am	COFFEE BREAK
10:35 am – 11:35 am	Theory & Principles of Ethanol Dehydration through Pressure Swing Absorption Chuck Gallop, ICM
11:35 am – 12:00 pm	Breakout Group Session #4 LBDS Technical Team
12:00 pm – 1:00 pm	LUNCH
1:00 pm – 1:45 pm	Energy Center: Boilers, Dryers & Troubleshooting Wade Rummel, Lallemand Biofuels & Distilled Spirits
1:45 am – 2:10 pm	Breakout Group Session #5 LBDS Technical Team
2:10 pm – 3:10 pm	New Technologies Aaron Williamson, ICM, Inc.
3:10 pm – 3:30 pm	SNACK BREAK
3:30 pm – 5:00 pm	Centrifugation GJ Long, Flottweg Separation Technology
	Open Evening



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Friday

May 10, 2024

7:30 am – 8:30 am	Breakfast
8:30 am – 9:15 am	Water Treatment & Environmental Regulations Brad Thompson, Veolia Water Technologies & Solutions
9:15 am – 9:25 am	Results: Take Home Troubleshooting Michael Humphrey, Lallemand Biofuels & Distilled Spirits
9:25 am – 9:45 am	COFFEE BREAK
9:45 am – 10:35 am	Factoring Impacts of Yield Loss Lee Poppe, Lallemand Biofuels & Distilled Spirits
10:35 am – 11:00 am	Breakout Group Sessions #6 LBDS Technical Team
11:00 am – 11:30 pm	Raffle
	Graduation/BFA Certification



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