



May 8 - 12, 2023

Sheraton West Des Moines

1800 50th Street | West Des Moines, IA 50266



Hotel Registration

Contact the Sheraton West Des Moines at **1- 888-627-8043** or visit:

<https://www.marriott.com/event-reservations/reservation-link.mi?id=1669143001303&key=GRP&app=resvlink> for reservations.

Lallemand Biofuels & Distilled Spirits has negotiated a limited number of traditional king rooms at a discounted rate of \$129.00 plus tax/night.

Reservations must be received by April 15, 2023 to receive the discounted rate.

After April 15, the rate will increase.

Monday Evening, May 8, 2023

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.



Day 1 - Tuesday May 9, 2023

Time	Session Title	Speaker
7:30 am – 8:30 am	Registration Open (Breakfast)	
8:30 am – 8:40 am	Introduction to Course	Francois van Zyl Lallemand Biofuels & Distilled Spirits
8:40 am – 8:50 am	Company Overview	Craig Ammann Lallemand Biofuels & Distilled Spirits
8:50 am – 9:20 am	RFA - Biofuels Industry Update	Robert White Renewable Fuels Association
9:20 am – 9:50 am	Incoming Feedstock	Raquel Rodriguez, Ph.D Lallemand Biofuels & Distilled Spirits
9:50 am – 10:10 am	COFFEE BREAK	
10:10 am – 10:55 am	Milling and Grind Optimization	Alex Sexton Lallemand Biofuels & Distilled Spirits
10:55 am – 11:35 am	Enzyme and Starch Biochemistry	Janet Fisher Lallemand Biofuels & Distilled Spirits
11:35 am – 12:00 pm	Breakout Groups Sessions #1	LBDS Technical Team
12:00 pm – 1:00 pm	LUNCH	
1:00 pm – 1:35 pm	Slurry, Cook, and Liquefaction	Caleb Ogden Lallemand Biofuels & Distilled Spirits
1:35 pm – 2:05 pm	Pumps	Troy Heeren The Walling Company
2:05 pm – 2:50 pm	SNACK BREAK / PUMP DISPLAY VISIT TIME	
2:50 pm – 3:35 pm	Fundamentals of Yeast and Nutrition	Jim Miers Lallemand Biofuels & Distilled Spirits
3:35 pm – 4:15 pm	Managing Propagation & Optimization	Spenser Burden Lallemand Biofuels & Distilled Spirits
4:15 pm - 4:40 pm	Breakout Groups Sessions #2	LBDS Technical Team
4:40 pm - 4:50 pm	Take Home Troubleshooting Exercise	Michael Humphrey Lallemand Biofuels & Distilled Spirits
4:50 pm - 5:30 pm	Hands-on Fermentation	Rachel Murdy, Ph.D Lallemand Biofuels & Distilled Spirits
6:00 pm - 9:00 pm	Networking Reception	



Day 2 -

Wednesday
May 10, 2023

Time	Session Title	Speaker
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 – 10:15 am	COFFEE BREAK	
10:15 am – 11:00 am	Plant Hygiene / Contamination Control	Shelly Siemonsma Lallemand Biofuels & Distilled Spirits
11:00 am – 11:25 am	Breakout Group Sessions #3	LBDS Technical Team
11:25 am – 12:25 pm	LUNCH	
12:25 pm - 12:55 pm	The Production of Whiskey & Other Distilled Spirits	Mitch Codd Lallemand Biofuels & Distilled Spirits
1:00 pm – 8:00 pm	Distillery Tour & Dinner	Templeton Rye
	Open Evening	



Day 3 - Thursday May 11, 2023

Time	Session Title	Speaker
7:30 am – 8:30 am	Breakfast	
8:30 am – 9:15 am	Theory & Principles of Vacuum Distillation Operation	Chuck Gallop ICM
9:15 am – 9:45 am	Understanding Fusel Implications	Matt Hawkins, Ph. D Lallemand Biofuels & Distilled Spirits
9:45 am – 10:05 am	COFFEE BREAK	
10:05 am – 10:50 am	Theory & Principles of Ethanol Dehydration through Pressure Swing Absorption	Chuck Gallop ICM
10:50 am – 11:35 pm	Troubleshooting in a Fuel Ethanol Production Facility	Ben Sunderhaus Lallemand Biofuels & Distilled Spirits
11:35 pm – 12:00 pm	Breakout Group Sessions #4	LBDS Technical Team
12:00 pm – 1:00 pm	LUNCH	LBDS Technical Team
1:00 pm – 1:45 pm	Energy Center: Boilers, Dryers and Troubleshooting	Wade Rummel Lallemand Biofuels & Distilled Spirits
1:45 pm – 2:30 pm	TBD	Chris Gerken ICM
2:30 pm – 2:50 pm	SNACK BREAK	
2:50 pm – 3:50 pm	Troubleshooting Exercise - Panel	Ben Sunderhaus Lallemand Biofuels & Distilled Spirits
3:50 pm – 4:15 pm	Breakout Group Sessions #5	LBDS Technical Team
4:15 pm – 5:30 pm	Centrifugation	GJ Long Flottweg Separation Technology
	Open Evening	



Day 4 -

Friday May 12, 2023

Time	Session Title	Speaker
7:30 am – 8:30 am	Breakfast	
8:30 am – 9:15 am	What's In Your Water & Why You Should Care	Brad Thompson Veolia Water Technologies & Solutions
9:15 am – 10:00 am	Results Hands on Fermentation/Take Home Troubleshooting	Rachel Murdy & Michael Humphrey Lallemand Biofuels & Distilled Spirits
10:00 am – 10:20 am	COFFEE BREAK	
10:20 am – 11:05 am	Factoring Impacts of Yield Loss	Ryan Brock Lallemand Biofuels & Distilled Spirits
11:05 am – 11:35 am	Growth Energy	TBD Growth Energy
11:35 am – 12:00 pm	Breakout Group Sessions #6	LBDS Technical Team
12:00 pm – 12:30 pm	Raffle	
	Graduation/BFA Certification	