



May 9 - 13, 2022

Hilton Downtown Des Moines
435 Park Street | Des Moines, IA 50309



Hotel Registration

Contact the Hilton Downtown Des Moines at 1- 515-241-1456 or visit:

www.my-event.hilton.com/dsmdihh-llb1-44daf22f-2a77-4489-96e8-f69baef17143/ for reservations.

Lallemand Biofuels & Distilled Spirits has negotiated a limited number of traditional king rooms at a discounted rate of \$179.00 plus tax/night.

Reservations must be received by April 15, 2022 to receive the discounted rate.

After April 15, the rate will increase.

Monday Evening, May 9, 2022

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 10, 2022

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 – 9:55 am	Incoming Feedstock	Shelly Siemonsma Lallemand Biofuels & Distilled Spirits
9:55 am – 10:15 am	BREAK	
10:15 am – 11:00 am	Milling/Grind Optimization	Alex Sexton Lallemand Biofuels & Distilled Spirits
11:00 am – 11:45 am	Starch and Enzyme Biochemistry	Janet Fisher Lallemand Biofuels & Distilled Spirits
11:45 am – 1:00 pm	LUNCH	
1:00 pm – 1:40 pm	Slurry, Cook, and Liquefaction	Caleb Ogden Lallemand Biofuels & Distilled Spirits
1:40 pm – 2:20 pm	Yeast Manufacturing and Applications	Struan Reid Lallemand Biofuels & Distilled Spirits
2:20 pm – 2:35 pm	BREAK	
2:35 pm – 3:25 pm	Fundamentals of Yeast and Nutrition	Michael Humphrey Lallemand Biofuels & Distilled Spirits
3:25 pm – 3:45 pm	Breakout Group Sessions #1	LBDS Technical Team
3:45 pm – 4:30 pm	Managing Propagation & Optimization	Spenser Burden Lallemand Biofuels & Distilled Spirits
4:30 pm - 4:45 pm	Fermentation Troubleshooting Quiz #1	Nick LeFebvre Lallemand Biofuels & Distilled Spirits
4:45 pm - 5:00 pm	Take Home Troubleshooting Exercise	Spenser Burden Lallemand Biofuels & Distilled Spirits
6:00 pm - 9:00 pm	Networking Reception	



Day 2 -

Wednesday
May 11, 2022

Time	Session Title	Speaker
7:30 am – 8:30 am	Breakfast	
8:30 am – 9:15 am	Managing Fermentation	Tera Stoughtenger 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	Breakout Group Sessions #2	LBDS Technical Team
10:15 am – 11:00 am	Plant Hygiene / Contamination Control	Ryan Brock Lallemand Biofuels & Distilled Spirits
11:00 am – 11:50 am	Troubleshooting in a Fuel Ethanol Production Facility	Ben Sunderhaus Lallemand Biofuels & Distilled Spirits
11:50 am – 12:00 pm	Fermentation Troubleshooting Quiz #2	Nick LeFebvre Lallemand Biofuels & Distilled Spirits
12:00 pm - 1:00 pm	LUNCH with Presentation	Mitch Codd Lallemand Biofuels & Distilled Spirits
1:00 pm – 6:00 pm	Distillery Tour	



Day 3 - Thursday May 12, 2022

Time	Session Title	Speaker
7:30 am – 8:30 am	Breakfast	
8:30 am – 9:20 am	Theory & Principles of Vacuum Distillation Operation	Chuck Gallop ICM
9:20 am – 10:00 am	Understanding Fusel Implications	Matt Hawkins, Ph. D Lallemand Biofuels & Distilled Spirits
10:00 am – 10:20 am	Breakout Group Session #3	LBDS Technical Team
10:20 am – 11:10 am	Theory & Principles of Ethanol Dehydration through Pressure Swing Absorption	Chuck Gallop ICM
11:10 am – 12:10 pm	Troubleshooting Exercise - Panel	Ben Sunderhaus Lallemand Biofuels & Distilled Spirits
12:10 pm – 1:10 pm	LUNCH	
1:10 pm – 2:00 pm	Energy Center: Boilers, Dryers and Troubleshooting	Wade Rummel Lallemand Biofuels & Distilled Spirits
2:00 pm – 2:20 pm	Breakout Group Sessions #4	LBDS Technical Team
2:20 pm – 3:10 pm	Yeast / Lab Biocatalysts	Jim Steele, Ph. D Lallemand Biofuels & Distilled Spirits
3:10 pm – 3:30 pm	BREAK	
3:30 pm – 5:00 pm	Centrifugation	GJ Long Flottweg Separation Technology



Day 4 -

Friday May 13, 2022

Time	Session Title	Speaker
7:00 am – 8:00 am	Breakfast	
8:00 am – 8:45 am	Water Treatment & Environmental Regulations	Robin Herbon Kurita America, Inc.
8:45 am – 9:25 am	Ethanol Production from Cellulosic Substrates	Raquel Rodriguez, Ph. D Lallemand Biofuels & Distilled Spirits
9:25 am – 9:45 am	Breakout Group Sessions #5	LBDS Technical Team
9:45 am – 10:30 am	Factoring Impacts of Yield Loss	Chris Ashworth Lallemand Biofuels & Distilled Spirits
10:30 am – 11:10 am	Risk Reduction via Proactive EH&S Management	Erica Montefusco PROtect LLC
11:10 am – 11:25 am	Fermentation Troubleshooting Quiz #3	Nick LeFebvre Lallemand Biofuels & Distilled Spirits
11:25 am – 11:55 am	Growth Energy	TBD Growth Energy
11:55 am – 12:15 pm	Raffle	
12:15 pm	Graduation/BFA Certification	