

Montréal

Agenda • August 18 - 23, 2024 • InterContinental Montréal



**Ethanol
Technology
Institute**

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Ethanol Technology Institute Staff

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Hotel Information

InterContinental Montréal

360 Rue St-Antoine Ouest

Making Reservations Online

Reservations can be made using this booking link:

<https://book.passkey.com/go/AlcoholSchool2024ET>

To Reserve By Phone

+1 (888) 233-9527

Sunday

August 18, 2024

17:00 -
21:00

Registration and Welcome

Once you've checked into the hotel, please come and find the Alcohol School staff at the Chez Plume Bistro (on the reception desk level across the bridge) anytime after 5 pm. You will have a chance to register for the school, have your picture taken (to later share with your classmates for networking purposes), put your school materials back in your room, and then join us for hors d'oeuvres and an open bar to say hello to old and new friends and get the week off to a good start.

Monday

August 19, 2024

Combined Session - Sarah-Bernhardt Room Theme: Global Alcohol Production & Raw Materials		
7:30 - 8:30	Registration	
8:30 - 8:45	Welcome Chris Richards, Lallemand Biofuels & Distilled Spirits (USA)	
8:45 - 9:00	Introduction to the Agenda Graeme Walker, Ethanol Technology Institute (Scotland)	
9:00 - 9:30	The Global Fuel Alcohol Industry Craig Pilgrim, Lallemand Biofuels & Distilled Spirits (USA)	
9:30 - 10:00	The Global Distilled Spirits Industry Maryse Bolzon, Lallemand Biofuels & Distilled Spirits (France)	
10:00 - 10:30	Coffee Break	
10:30 - 11:00	Biotechnology Developments in Fuel Ethanol and Distilled Spirits Production Emily Stonehouse, Mascoma (USA)	
11:00 - 11:40	Grain Receiving, Storage and Milling Robert Piggot, Lallemand Biofuels & Distilled Spirits (Canada)	
11:40 - 11:50	Stretch/Comfort Break	
11:50 - 12:20	Enzymes and Processing Aids in Fuel and Beverage Alcohol Production Phil Shaffer, Lallemand Biofuels & Distilled Spirits (USA)	
12:20 - 13:00	Troubleshooting Problem Fermentations for Fuel and Beverage Alcohol Maria Nachetova, Lallemand Biofuels & Distilled Spirits (Estonia)	
13:00 - 14:00	Lunch	All Delegates - Ravel Room

Monday

August 19, 2024

Fuel Alcohol Session
Sarah-Bernhardt Room
Theme: Feedstocks & Processing

14:00 - 14:45

Feedstocks for Fuel Alcohol Production
Dale Monceaux, AdvanceBio LLC (USA)

14:45 - 15:30

Grain Mashing for Fuel Alcohol
Tera Stoughtenger, Lallemand Biofuels & Distilled Spirits (USA)

15:30 - 16:00

Coffee Break

16:00 - 16:45

Alcohol Biorefineries: Income Generation from Alternative Products
Charles Abbas, iBiocat Inc (USA)

16:45 - 17:30

New Technologies for Fuel Alcohol Production
Scott Kohl, Visionary Fiber Technologies (USA)

Beverage Alcohol Session
Salon Sherwood
Theme: Processing & Distilled Spirits

14:00 - 14:45

Raw Materials for Beverage Alcohol Production
Douglas Murray, Distilling Consultant (Scotland)

14:45 - 15:30

Mash Preparation in the Beverage Distilling Industry
Robert Fotheringham, Lallemand Biofuels & Distilled Spirits (Scotland)

15:30 - 16:00

Coffee Break

16:00 - 16:45

Vodka and Gin Production
Kirsty Black, Arbikie Distillery (Scotland)

16:45 - 17:30

Canadian Whisky
Don Livermore, Pernod-Ricard (Canada)

Free Evening

Tuesday

August 20, 2024

Combined Session - Sarah-Bernhardt Room Theme: Sugar & Starch: Yeast & Alcohol Recovery		
8:30 - 9:20	Sugar Feedstocks for Fuel and Beverage Alcohol Jaime Figuerut, Instituto de Tecnologia Canavieira, CTC (Brazil)	
9:20 - 10:10	Fuel and Beverage Alcohol Production from Non-Corn Starch Sources Dale Monceaux, AdvanceBio, LLC (USA)	
10:10 - 10:40	Coffee Break	
10:40 - 11:30	Physiology of Ethanol-Producing Yeasts Graeme Walker, Ethanol Technology Institute (Scotland)	
11:30 - 12:20	Optimizing Fermentations Through Yeast Nutrition Jim Miers, Lallemand Biofuels & Distilled Spirits (USA)	
12:20 - 12:30	Stretch/Comfort Break	
12:30 - 13:00	Yeast: Propagation for Fuel and Beverage Alcohol Chris Richards, Lallemand Biofuels & Distilled Spirits (USA)	
13:00 - 14:00	Lunch	All Delegates - Ravel Room
14:00 - 14:45	Yeast Production for Fuel and Beverage Alcohol Struan Reid, Lallemand R&D (Scotland)	
14:45 - 15:30	Distillation: Theory Phil Madson, MADSON International, Inc. (USA)	
15:30 - 16:00	Coffee Break	
16:00 - 16:45	Distillation: Practice & Troubleshooting Phil Madson, MADSON International, Inc. (USA)	
17:00 - 18:00	Meet the Speakers (Optional) Join the speakers in a more relaxed setting and come along with your burning questions!	
Free Evening		

Wednesday

August 21, 2024

Combined Session - Lallemand R&D, National Research Counsel of Canada
Theme: Microbiology & Process Monitoring

7:40	Buses for all to NRC Research Labs	
8:30 - 8:40	Welcome to Lallemand R&D at NRC Frederic D'Aoust, Lallemand Biofuels & Distilled Spirits (Canada)	
8:40 - 8:50	Introduction to Mascoma Justin van Rooyen, Lallemand Biofuels & Distilled Spirits and Mascoma (USA)	
8:50 - 9:30	New Yeasts for Fuel and Beverage Alcohol Elena Fossati, Lallemand Biofuels & Distilled Spirits (Canada)	
9:30 - 10:00	Lactic Acid Bacteria and Their Importance in Alcohol Production Processes Jim Steele, Lallemand Biofuels & Distilled Spirits (USA)	
10:00 - 10:30	Bacterial Contamination in Alcohol Production Rachel Murdy, Lallemand Biofuels & Distilled Spirits (Canada)	
10:30 - 10:55	Coffee Break	
11:00 - 12:00	Lab Visits - First Rotation	
12:00 - 12:30	Contamination Control in a Distillery Francois van Zyl, Lallemand Biofuels & Distilled Spirits (USA)	
12:30 - 13:30	Lunch and meet the Lallemand R&D Staff	
13:35 - 14:40	Lab Visits - Second Rotation	
14:45 - 15:30	Key Analytical Methods for Process Monitoring for Fuel and Beverage Alcohol Producers Caleb Ogden, Lallemand Biofuels & Distilled Spirits (USA)	
15:30 - 16:00	Coffee Break	
16:00 - 16:45	Process Control to Improve Alcohol Yield Hank Brittain, OpX Control, Inc. (USA)	
17:00	Buses Back to Hotel	
19:00 - 22:30	Wine, Beer and Spirits Tasting Complimentary Food Provided	Les Voûtes <i>Caves under hotel</i>

Thursday

August 22, 2024

	Fuel Alcohol Session - Sarah-Bernhardt Room Theme: Dryhouse & Fractionation Technologies	Beverage Alcohol Session - Salon Sherwood Theme: Distilled Spirits & Analytical Methods
8:30 - 9:20	Dryhouse Technologies in Distilleries Dale Monceaux, AdvanceBio LLC (USA)	Tequila and Mezcal Production Rafael Resendiz and Blas Gonzalez, Diageo (Mexico)
9:20 - 10:10	Fractionation Technologies for Alcohol Production Vijay Singh, University of Illinois (USA)	Flavour Distillation for Grain Whisky Douglas Murray, Distilling Consultant (Scotland)
10:10 - 10:40	Coffee Break	Coffee Break
10:40 - 11:30	Decarbonization of Corn Biorefineries Jennifer Aurandt-Pilgrim, Marquis Energy (USA)	Pilot Fermentations for Yield Potential and Conversion Process Optimization Kevin Smith, Company Distillers (USA)
11:30 - 12:20	Alcohol Production for Sustainable Aviation Fuel Scott Kohl, Visionary Fiber Technologies (USA)	Analytical Methods for Distilled Spirits Robert Fotheringham, Lallemand Biofuels & Distilled Spirits (Scotland)
12:20 - 13:30	Lunch	
TBD	Plant Tours of Greenfield Global Québec Inc., OR Lallemand's Prefontaine Yeast Production Plant, OR Distillerie Côte Des Saints	

PLANT TOUR INFORMATION

OPTION #1 Greenfield Global Québec Inc., Varennes, Québec

Greenfield Global Québec Inc. is an ICM-designed plant, completed in early 2007, that produces fuel-grade ethanol, carbon dioxide, distillers' dried grains, and MWDGS. Current capacity of 190 million liters (around 50 million US gallons) of fuel-grade ethanol per year, made from 17 million bushels of Quebec corn. In 2008 Greenfield Ethanol completed a second ICM-designed plant in Johnstown, Ontario that produces a combined 255 million liters (approximately 67 million US gallons) of ethanol; split 155 million liters to fuel-grade ethanol and 100 million liters of industrial alcohol.

OPTION #2 Lallemand's Prefontaine Yeast Plant, Montréal, Québec

Lallemand was founded in Montreal at the end of the 19th century by a young immigrant from the Alsace region of France, Fred "Lallemand." The plant on Prefontaine Street was built in 1915, with production of baker's yeast starting there in 1923. Roland Chagnon acquired the business in 1952 and set it on a path of expansion. The Chagnon family remains the current owner. Today, the plant produces a range of liquid, cake, and dry yeast for the fuel ethanol, beverage alcohol, and baking industries.

OPTION #3. Distillerie Côte des Saints, Montréal, Québec

Located North of Montréal in Mirabel, the Côte des Saints distillery is located in an agricultural area recognized and sought for the quality of its soils. Surrounded by the best natural elements, it allows the production of some of the most sought spirits. At Côte des Saints, the difference is our exceptional process, our craftsmanship, and our commitment to excellence approach - where we grow our own barley. From our fields to your bottle is done right on the premises in rural Northern Québec which promotes some of the very best distilling conditions in the world.

OPTION #4 TBD

Further details will be forthcoming

Free Evening

Friday

August 23, 2024

Fuel Alcohol Session - Sarah-Bernhardt Room
Theme: Cellulosic Ethanol

Beverage Alcohol Session - Salon Sherwood
Theme: Distilled Spirits

8:30 - 9:10

Overview of Lignocellulosic Ethanol Processes
Raquel Rodriguez, Lallemand Biofuels & Distilled Spirits (USA)

Challenges for Carbon Neutral Distilling
Martin Laberge, Diageo Global Supply (Canada)

9:10 - 9:50

Gen 1.5 Options for Bioethanol Production Plants
Justin van Rooyen, Lallemand Biofuels & Distilled Spirits (USA)

Rum Production
Shernell Layne, Lallemand Biofuels & Distilled Spirits (Barbados)

9:50 - 10:10

Coffee Break

Coffee Break

10:10 - 10:50

Commercial-Scale Cellulosic Ethanol Production
Mark Yancey, D3Max (USA)

Sustainable Distilling - from Farm-to-Bottle
Brad Berron, University of Kentucky (USA)

10:50 - 11:30

A Nutritionist's View of Distiller Grains
Kurt Rosentrater, Iowa State University (USA)

Co-products from Distilled Spirits Production
TBD

11:30 - 11:45

Stretch/Comfort Break & Session Change

Combined Session - Sarah-Bernhardt Room
Theme: Co-Products & Future Directions

11:45 - 12:15

Sustainable Alcohol Production
Johnny McGhee-Doyle, Lallemand Biofuels & Distilled Spirits (Scotland)

12:15 - 12:45

Strategies for Success
Angus Ballard, Lallemand Biofuels & Distilled Spirits (USA)

12:45 - 1:15

Course Wrap-up and Presentation of Certificates

