

Montréal

Agenda • September 11-16, 2022 • InterContinental Montréal



Ethanol Technology Institute Staff

Graeme Walker, Ph.D, DSc

Scientific Director
gwalker@lallemand.com

Julie St-Laurent

Event Coordinator
jstlaurent@lallemand.com

Liz Ward, Ph.D

Registration Coordinator
lward@lallemand.com



Hotel Information

InterContinental Montréal

360 Rue St-Antoine Ouest

Making Reservations Online

Reservations can be made using this booking link:
book.passkey.com/event/50208946/owner/17635/home

To Reserve By Phone

+1 (888) 233-9527

Sunday

September 11, 2022

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

September 12, 2022

Combined Session - Sarah-Bernhardt Room Theme: Global Alcohol Production & Raw Materials

7:30 - 8:30

Registration

8:30 - 8:45

Welcome

Angus Ballard, 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

Steve Wright, Lallemand Biofuels & Distilled Spirits and Spiritech (Canada)

10:00 - 10:30

Coffee Break

10:30 - 11:00

Inter-Relationships Between Fuel Ethanol and Distilled Spirits

Charles Abbas, iBiocat, Inc. (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 - 12:30

Enzymes and Processing Aids in Alcohol Production

Janet Fisher, Lallemand Biofuels & Distilled Spirits (USA)

12:30 - 13:00

Troubleshooting Problem Fermentations

Chris Ashworth, Lallemand Biofuels & Distilled Spirits (USA)

13:00 - 14:00

Lunch

All Delegates - Ravel Room

Monday

September 12, 2022

Fuel Alcohol Session

Sarah-Bernhardt Room

Theme: Feedstocks & Processing

Beverage Alcohol Session

Salon Sherwood

Theme: Processing & Distilled Spirits

14:00 - 14:45

Feedstocks for Fuel Alcohol Production

Dale Monceaux, AdvanceBio LLC (USA)

14:45 - 15:30

Fractionation Technologies for Alcohol Production

Vijay Singh, University of Illinois (USA)

15:30 - 16:00

Coffee Break

16:00 - 16:45

Grain Mashing for Fuel Ethanol

Tera Stoughtenger, Lallemand Biofuels & Distilled Spirits (USA)

16:45 - 17:30

Current Challenges & New Opportunities in Alcohol Production

Vijay Singh, University of Illinois (USA)

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

Steve Wright, Lallemand Biofuels & Distilled Spirits and Spiritech (Canada)

15:30 - 16:00

Coffee Break

16:00 - 16:45

Rum Production

Shernell Layne, Lallemand Biofuels & Distilled Spirits (Barbados)

16:45 - 16:55

Stretch/Comfort Break

16:55 - 17:30

Distilled Spirits Maturation

Don Livermore, Pernod-Ricard (Canada)

Free Evening

Tuesday

September 13, 2022

Combined Session - Sarah-Bernhardt Room Theme: Sugar & Starch: Yeast & Alcohol Recovery

8:30 - 9:20

Sugar Feedstocks for Fuel and Beverage Alcohol

Jaime Figuerut, Centro de Tecnologia Canavieira, CTC (Brazil)

9:20 - 10:10

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 (Canada)

14:45 - 15:30

Distillation: Theory

Phil Madson, KATZEN International, Inc. (USA)

15:30 - 16:00

Coffee Break

16:00 - 16:45

Distillation: Practice & Troubleshooting

Phil Madson, KATZEN International, Inc. (USA)

16:45 - 17:30

Membrane Technologies for Alcohol Production

Stephan Blum, Whitefox (Canada)

Wednesday

September 14, 2022

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

TBD

8:50 - 9:30

New Yeasts for Fuel and Beverage Alcohol

TBD

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

Jayne Kalbfleisch, Lallemand Biofuels & Distilled Spirits (USA)

10:30 - 10:55

Coffee Break

11:00 - 12:00

Lab Visits

12:00 - 12:30

Contamination Control in a Distillery

Francois van Zyl, Lallemand Biofuels & Distilled Spirits (USA)

12:30 - 13:30

Lunch

13:35 - 14:40

Lab Visits

14:45 - 15:30

Key Analytical Methods for Process Monitoring

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

Caves under hotel

Thursday

September 15, 2022

Fuel Alcohol Session - Sarah-Bernhardt Room Theme: Dryhouse & Fractionation Technologies

8:30 - 9:20

Dryhouse Technologies in Distilleries
Dale Monceaux, AdvanceBio LLC (USA)

9:20 - 10:10

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

10:10 - 10:40

Coffee Break

10:40 - 11:30

Now, Near and Next: Carbon Intensity and its Role in Shaping Ethanol's Future
Jennifer Aurandt-Pilgrim, Marquis Energy (USA)

11:30 - 12:20

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

Beverage Alcohol Session - Salon Sherwood Theme: Distilled Spirits & Analytical Methods

Tequila and Mezcal Production
Rafael Resendiz, Diageo (Mexico)

Flavour Distillation for Grain Whisky
Douglas Murray, Distilling Consultant (Scotland)

Coffee Break

Pilot Fermentations for Yield Potential & Conversion Process Optimization
Kevin Smith, Company Distillers (USA)

Analytical Methods for Distilled Spirits
Robert Fotheringham, Lallemand Biofuels & Distilled Spirits (Scotland)

12:20 - 13:30

Lunch

TBD

Tour of Lallemand's Préfontaine Yeast Plant

While we are hopeful that we will be able to offer additional tours, we are continuing to monitor local COVID-19 protocols and the recommendations of health officials to help ensure the health and safety of all participants.

PLANT TOUR INFORMATION

Lallemand's Préfontaine Yeast Plant | Montréal, Québec

Lallemand was founded in Montréal at the end of the 19th century by a young immigrant from the Alsace region of France, Fred "Lallemand." The plant on Préfontaine 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 yeasts for the fuel ethanol, beverage alcohol, and baking industries.

Friday

September 16, 2022

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

8:30 - 9:10

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

9:10 - 9:50

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

9:50 - 10:10

Coffee Break

10:10 - 10:50

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

10:50 - 11:00

Stretch/Comfort Break

Beverage Alcohol Session - Salon Sherwood Theme: Distilled Spirits

Canadian Whisky Production & Aspects of Continuous Improvement
Martin Laberge, Diageo Global Supply (Canada)

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

Coffee Break

Craft Distilling: Challenges and Opportunities
Paul Cirka, Cirka Distilleries (Canada)

Stretch/Comfort Break

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

11:00 - 11:40

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

11:40 - 12:30

Technical Opportunities in the Industry - Where are we going?
Phil Madson, KATZEN International, Inc (USA)

12:30 - 13:00

Course Wrap-up and Presentation of Certificates

