The Alcohol School Concise

Agenda

Bangkok

The Westin Grande Sukhumvit

July 9 - 11, 2019

LALLEMAND BIOFUELS & DISTILLED SPIRITS

BRENNTAG

ETHANOL TECHNOLOGY INSTITUTE

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Hotel Information

The Westin Grande Sukhumvit Bangkok
259 Sukhumvit Road
Bangkok, 10110 Thailand
+66 2 207 8000 Fax: +66 2 651 1070
Link to book hotel:
https://www.marriott.com/event-reservations/reservation-link.mi?id=1547181796400&key=GRP&app=resvlink

The Alcohol School Concise

Tuesday

JULY 9, 2019

08:00 - 09:00	REGISTRATION	
09:00 - 09:15	Introduction & Welcome *Angus Ballard, Lallemand Biofuels & Distilled Spirits (USA)* *Flemming Soederquist, Brenntag (Thailand)*	
09:15 - 09:30	Agenda & Administration *Graeme Walker, Ethanol Technology Institute (Scotland)*	
09:30 - 09:45	Global Alcohol Overview *Craig Pilgrim, Lallemand Biofuels & Distilled Spirits (USA)*	
09:45 - 10:15	Asian Alcohol Industry (Fuel & Bev) *Tipa Saidarasamoot, Lallemand Biofuels & Distilled Spirits (Thailand)*	
10:15 - 10:45	COFFEE	
10:45 - 11:15	Thai Biofuel Policy *Dr. Supatchalee Sophonthammaphat, Bureau of Biofuel Development, DEDE (Thailand)*	
11:15 - 11:45	Future of Cassava *Dr. Kuakoon Piyachomkwan, BIOTEC (National Center of Genetic Engineering and Biotechnology) (Thailand)*	
11:45 - 12:45	LUNCH	LUNCH
12:45 - 13:15	Sugar Cane / Molasses Insight from Brazil *Jaime Finguerut, Institute of Technology for Sugar Cane (BRAZIL)*	
13:15 - 13:45	Usage of Sugar Based Feedstocks *Mukund Rao, BBGI Public Co Ltd. (Thailand)*	
13:45 - 14:30	Feedstock Preparation Overview *Robert Piggot, Lallemand Biofuels & Distilled Spirits (Canada)*	
14:30 - 15:00	Enzymes for Starch Degradation *TBD, Brenntag Ingredients (Thailand)*	
15:00 - 15:30	COFFEE	
15:30 - 16:15	Physiology of Alcohol-Producing Yeasts *Graeme Walker, Ethanol Technology Institute (Scotland)*	
16:15 - 17:00	Yeast Nutrition *Jim Miers, Lallemand Biofuels & Distilled Spirits (USA)*	
18:30 - 22:00	Networking Event – Altitude Bar; 25th Floor	EVENT

The Alcohol School Concise

Wednesday

JULY 10, 2019

08:30 - 09:00	MORNING COFFEE
09:00 - 09:45	Yeast Pretreatment & Propagation *Chris Richards, Lallemand Biofuels & Distilled Spririts (USA)*
09:45 - 10:30	Fermentation Management *Robert Piggot, Lallemand Biofuels & Distilled Spirits (Canada)*
10:30 - 11:00	COFFEE

BREAKOUT GROUPS	FUEL	LIGHT SPIRIT ENA	PREMIUM DISTILLED SPIRITS
11:00 - 11:45	Key Areas to Optimize Production Process *Chris Richards, LBDS (USA)*	Improving Starch Based Fermentations *Rajesh Mohan, LBDS (India)*	High Quality Spirits in Asian Climates *Ian Y.L. Chang, Kavalan Distillery (Taiwan)*
11:45 - 12:15	Hygiene Control & Improvement *Kannika Suhatthaphorn, LBDS (Thailand)*	Process Control - Can it Improve Yield *Hank Brittain, OpX Control Inc (USA)*	What Makes Japanese Whisky Different *Hajime Sato, Suntory Spirits Limited*
12:15 - 13:15	LUNCH	LUNCH	LUNCH
13:15 - 13:45	Multiple Feedstock Design Adaptations *TBD, KATZEN (USA)*	Hygiene Control & Improvement *Kannika Suhatthaphorn, LBDS (Thailand)*	Advantages of Proprietary Yeast *Elena Fossati, LBDS (Canada)*
13:45 - 14:30	Improving Molasses Fermentations *Matt Hawkins, LBDS (USA)*	Distillation Management - Simple & Complex Systems *Robert Piggot, LBDS (Canada)*	Congeners *Corinne Cluis, LBDS (Canada)*
14:30 - 15:15	Improving Starch Based Fermentations *Rajesh Mohan, LBDS (India)*	Energy Efficiency Improvement *Excell*	Managing Distillation *Douglas Murray, Diageo Global (Scotland)*
15:15 - 15:45	COFFEE	COFFEE	COFFEE
15:45 - 16:30	Biotech Yeast Development - for both Starch & Molasses *Emily Stonehouse, Mascoma (USA)*	Improving Molasses Fermentations *Matt Hawkins, LBDS (USA)*	Maturation Biochemistry *Robert Fotheringham, LBDS*
16:30 - 17:00	Selecting Effective Yeast Strains for Feedstock *TBD*	TBD *TBD*	TBD *TBD*

The Alcohol School Concise

Thursday

JULY 11, 2019

08:30 - 09:00	MORNING COFFEE	
09:00 - 09:45	Distillation Theory & Science *Tara Vigil, KATZEN International Inc. (USA)*	
09:45 - 10:30	Distillation Practice & Troubleshooting *Tara Vigil, KATZEN International Inc. (USA)*	
10:30 - 11:00	COFFEE	
11:00 - 11:30	Waste Water Treatment Options *TBD*	
11:30 - 12:00	Addressing Feedstock Shortages - Handling Multiple Feedstocks *Chris Richards, Lallemand Biofuels & Distilled Spirits (USA)*	
12:00 - 13:00	LUNCH	LUNCH
13:00 - 13:30	Economics of B Molasses Utilization for EtOH *Dale Monceaux, AdvanceBio LLC (USA)*	
13:30 - 14:15	The Future of Asian Cellulosic Industry; An Update *SR Soni, India Glycols PVT (India)*	
14:15 - 14:45	Gen 1.5 Options to Cellulosic for Sugar Mill/Ethanol Plant Combo *Justin van Rooyen, Lallemand Biofuels & Distilled Spirits (USA)*	
14:45 - 15:15	COFFEE	
15:15 - 15:45	Keynote Address *Sirin Sereethoranakul, PSC Starch*	
15:45 - 16:30	Closing Talk *Angus Ballard, Lallemand Biofuels & Distilled Spirits (USA)*	
16:30 - 18:00	Certificate Presentations & Cocktails – Altitude Bar; 25th Floor	EVENT

The Alcohol School
Extra Credit
Utilizing Multiple Feedstocks

Friday

JULY 12, 2019

08:00 - 08:50	REGISTRATION & MORNING COFFEE	
08:50 - 09:00	Welcome *Angus Ballard, Lallemand Biofuels & Distilled Spirits (USA)* *Graeme Walker, Ethanol Technology Institute (Scotland)*	
09:00 - 9:45	Advantages & Challenges of Multiple Feedstocks *Chris Richards, Lallemand Biofuels & Distilled Spirits (USA)*	
09:45 - 10:30	Transitioning from Starch to Molasses *Robert Piggot, Lallemand Biofuels & Distilled Spirits (Canada)*	
10:30 - 11:00	COFFEE	
11:00 - 11:45	Molasses Feed - Batch Feed *Robert Piggot, Lallemand Biofuels & Distilled Spirits (Canada)* *Matt Richards, Lallemand Biofuels & Distilled Spirits (USA)*	
11:45 - 12:30	Transitioning from Molasses to Strach *Dale Monceaux, AdvanceBio LLC (USA)*	
12:30 - 13:30	LUNCH	LUNCH
13:30 - 14:15	Monitoring Change *Chris Richards, Lallemand Biofuels & Distilled Spirits (USA)*	
14:15 - 15:00	Implications of Change to Distillation *Tara Vigil, KATZEN International Inc. (USA)*	
15:00 - 15:30	COFFEE	
15:30 - 16:15	Discussion Panel *All Speakers*	
16:15 - 16:45	Close of School	