



THE **OPERATORS'**
SCHOOL
The Practical Ethanol Workshop

Agenda

PRELIMINARY

*Please check
www.ethanoltech.com
for updates*

Omaha, Nebraska

Scott Conference Center

November 2-4, 2011

Ethanol Technology Institute Staff

Graeme Walker, Ph.D.

Scientific Director
g.walker@abertay.ac.uk

Liz Ward, Ph.D.

Registration Coordinator
lward@lallemand.com

Ethanol Technology Institute

6120 West Douglas Avenue
Milwaukee, WI 53218 USA
800 583-6484 | 414 393-0410
Fax 414 358-8012
institute@ethanoltech.com
www.ethanoltech.com

Lecture Location

Scott Conference Center

6450 Pine Street
Omaha, Nebraska 68106

day 1 wednesday

NOVEMBER 2, 2011

7:30 am – 8:30 am	REGISTRATION OPEN (Breakfast)	
8:30 am – 8:45 am	Introduction and Housekeeping	<i>Mike Ingledew, Prof. Emeritus University of Saskatchewan</i>
8:45 am – 9:35 am	Process I – Grain Intake and Milling	<i>Chris Richards, LET</i>
9:35 am – 10:20 am	Enzymes I	<i>Jim Miers, LET</i>
10:20 am – 10:40 am	BREAK	
10:40 am – 11:30 am	Enzymes II	<i>Jim Miers, LET</i>
11:30 am – 12:20 pm	LUNCH – RFA Outlook	<i>Robert White, Renewable Fuels Association</i>
12:20 pm – 1:15 pm	Yeast I – Fundamentals	<i>Mike Ingledew</i>
1:15 pm – 2:05 pm	Yeast II – Yeast Handling/Format Propagation/Direct Pitch	<i>Joseph Kalkwarf, LET</i>
2:05 pm – 2:55 pm	Yeast III – Fermentation Management	<i>Garth Whiddon, LET</i>
2:55 pm – 3:45 pm	Process II – Wet Mill and Continuous Fermentation	<i>Chris Richards, LET</i>
3:45 pm – 4:00 pm	BREAK	
4:00 pm – 4:50 pm	Distillation I – Distillation	<i>Tara Vigil, KATZEN International, Inc.</i>
4:50 pm – 5:45 pm	Distillation II – Dehydration	<i>Tara Vigil, KATZEN International, Inc.</i>
6:00 pm – 8:00 pm	NETWORKING RECEPTION	

day 2 thursday

NOVEMBER 3, 2011

8:00 am – 8:30 am	REGISTRATION OPEN (breakfast)	
8:30 am – 9:05 am	CoProducts I – Dryhouse	<i>Tara Vigil, KATZEN International, Inc.</i>
9:05 am – 9:55 am	Cleaning and Hygiene	<i>Francois Van Zyl, LET</i>
9:55 am – 10:45 am	Sampling and Yeast Counting	<i>Garth Whiddon, LET</i>
10:45 am – 11:00 am	BREAK	
11:00 am – 11:50 am	Process Control Strategy	<i>Craig Wills, Flint Hills Resources</i>
11:50 am – 12:40 pm	Heat Exchangers and Pumps	<i>Ross Gaulke, LET</i>
12:40 pm – 1:30 pm	LUNCH	
1:30 pm – 2:20 pm	Cooling Towers and Water Principles	<i>Monte McCoy, US Waters</i>
2:20 pm – 3:00 pm	Water Balance and Control	<i>Mike Peterman, Flint Hills Resources</i>
3:00 pm – 3:15 pm	BREAK	
3:15 pm – 4:05 pm	Centrifugation Principles	<i>Garth Whiddon, LET</i>
4:05 pm – 4:55 pm	Approach to Start Ups and Shutdowns	<i>Chris Richards, LET</i>

day 3 friday

NOVEMBER 4, 2011

8:00 am – 8:15 am	REGISTRATION OPEN (Breakfast)	
8:15 am – 9:05 am	Methods of Bacterial Control	<i>Kevin Smith, Brown Forman</i>
9:05 am – 9:55 am	Data Analysis and Analytical Methods	<i>Joseph Kalkwarf, LET</i>
9:55 am – 10:45 am	BREAK	
10:45 am – 11:00 am	Lab Techniques Demo	<i>Kevin Smith, Brown Forman</i>
11:00 am – 11:25 am	Practical Troubleshooting	<i>Chris Richards, LET</i>
11:25 am – 12:00 pm	Troubleshooting Exercise #1	<i>LET Team</i>
12:00 pm – 12:40 pm	LUNCH – Troubleshooting Exercise #2	<i>LET Team</i>
12:40 pm – 1:30 pm	How to Apply New Knowledge for Plant Profitability	<i>Chris Richards, LET</i>
1:30 pm – 1:45 pm	CLOSE OF COURSE / CERTIFICATES	<i>Mike Ingledew</i>
