



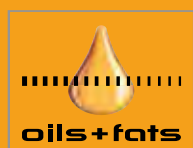
2nd Practical Short Course:

Advanced Edible Oil Refining and Processing: Case Studies and Trouble Shooting

Industrial Uses of Vegetable Oils - Biodiesel, Ink, Solvents, Lubricants and Bio-Plastics

November 18 - 19 (20), 2008 - Munich, Germany

In participation with Oils + Fats Trade Show
November 18 - 20, 2008
M.O.C. Munich, Germany



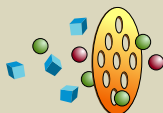
This program is offered during the "Oils+Fats", the International Trade Fair for the Manufacture and Processing of Oils and Fats Made from Renewable Raw Materials

SHORT COURSE ORGANIZERS

www.membraneworld.com/munich2007.htm

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SPEAKERS

Drs. Rob Ariaansz, BASF, the Netherlands
Mr. Jürgen Baier, Körting Hannover, AG, Germany
Mr. Gunter Börner, ÖHMI Engineering, Germany
Mr. Ken Carlson, Crown Iron Works Inc., USA
Dr. Albert J. Dijkstra, France
Mr. Klaus-Peter Eickhoff, GEA Westfalia, Germany
Dr. Sevim Erhan, USDA, U.S.A
Dr. Véronique Gibon, De Smet Ballestra, Belgium
Mr. Kim Højmark, Gerstenberg Schröder A/S, Denmark
Mr. Hans Christian Holm, Novozymes, Denmark
Mr. Massoud Jalalpoor, W.R.Grace, Germany

Dr. Gunther Kraft, Fuchs Europe Schmiermittel, Germany
Mr. Darren Litle, Sud-Chemie, USA
Mr. Andrew Logan, Alfa Laval, Denmark
Mr. Franz J. Luxem, Stepan Chemical Co., U.S.A.
Dr. Zoran S. Petrovic, Kansas Polymer Research Center, Pittsburg State University, USA
Dr. François Van Dievoet, BFB Oil Research, Belgium
Mr. Gerrit van Duijn, Unilever, the Netherlands
Mr. Frank Veldkamp, Amafilter-LFC, Germany
Mr. Greg Warancica, Crown Iron Works, U.S.A.

TUESDAY, NOVEMBER 18, 2008

8:30 **Registration**
 9:00 **Opening Remarks and Announcements**
 9:05 **Review of Degumming and Refining Technologies**, Mr. Andrew Logan
 9:35 **Process Optimization and Machine Control**, Mr. Klaus-Peter Eickhoff
 10:05 **Bleaching Cost Calculation**, Mr. Darren Little
 10:35 **Coffee /Tea Break**
 11:00 **Bleaching Technologies and Potentials in Savings of Bleaching Earth**, Mr. Gunter Boerner
 11:30 **How to Deal with Filtration Problems**, Mr. Frank Veldkamp
 12:00 **Lunch**
 13:00 **Teams for Case Studies and Trouble Shooting and Distribution of Problems**
 13:15 **Theoretical Aspects of Vacuum Stripping**, Dr. Albert J. Dijkstra
 13:45 **Deodorizer Design & Optimization**, Mr. Ken Carlson
 14:15 **Fundamentals of Vacuum System Design**, Mr. Jürgen Baier
 14:30 **Common Problems in Vacuum Systems & Solutions**, Mr. Jürgen Baier
 14:45 **Case Studies and Trouble Shooting Discussions:** Teams – Instructors
 Mr. Jürgen Baier; Mr. Gunter Boerner; Mr. Ken Carlson; Dr. Albert J. Dijkstra; Mr. Klaus-Peter Eickhoff; Dr. Véronique Gibon; Mr. Andrew Logan; and Mr. Gerrit Van Duijn, Unilever
 15:00 **Attendees will have free time to visit “Oils+ Fats” International Trade Fair for the Production and Processing of Oils and Fats Made from Renewable Resources**

13:15 **Basics of Product Formulation**, Dr. Albert J. Dijkstra
 13:45 **Enzymatic Degumming and Interesterification of Oils and Fats: Fundamentals, Enzymes, and Industrial Applications**, Mr. Hans Christian Holm
 14:15 **Parameters & Points in Margarine Production: How to Identify & Solve Problems**, Mr. Kim Højmark
 14:45 **Quality Control Points in Oil Processing & Pesticides & PAH Removal Strategies**, Mr. Gerrit Van Duijn
 15:15 **Course Ends - Attendees will have free time to visit “Oils+ Fats” International Trade Fair for the Production and Processing of Oils and Fats Made from Renewable Resources**

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THURSDAY, NOVEMBER 20, 2008

9:00 **Biodiesel Chemistry & Production Technology Market Trends**, Mr. Greg Waranica
 9:30 **Biodegradability Standards and Labels**, Dr. François Van Dievoet
 10:00 **Soyinks: Processing and Market**, Dr. Sevim Erhan
 10:30 **Coffee / Tea Break**
 11:00 **Uses of Soybean Oil in Industrial Lubricants**, Dr. Sevim Erhan
 11:30 **Use of Methyl Esters as an Industrial Raw Material: Surfactants, Solvents, Ag products, Food ingredients**, Mr. Franz J. Luxem
 12:00 **Polyols and Polyurethanes of Vegetable Oils**, Dr. Zoran S. Petrovic
 12:30 **Lunch**
 13:30 **Heterogeneous Catalytic Reactions in Oleochemistry**, Drs. Rob Ariaansz
 14:00 **Development of lubricants based on renewable raw materials**, Dr. Gunther Kraft
 14:30 **Vegetable Oils Based Thermoset and Thermoplastic Elastomers**, Dr. Zoran S. Petrovic
 15:00 **Attendees will have free time to visit “Oils+ Fats” International Trade Fair for the Production and Processing of Oils and Fats Made from Renewable Resources**

WEDNESDAY, NOVEMBER 19, 2008

9:00 **Team Reports on case Studies/Plant Trouble Shooting:**
 10:00 **Staggered Tri-Syl Tri- Clear Process: Case Study and Economics**, Mr. Massoud Jalalpoor
 10:30 **Coffee/Tea Break**
 11:00 **Review of Heat Exchanger Applications in Edible Oil Processing**, Mr. Andrew Logan
 11:30 **Considerations in Winterization and Fractionation**, Dr. Véronique Gibon
 12:00 **Enzymatic Interesterification**, Dr. Véronique Gibon
 12:30 **Lunch**



REGISTRATION

First Name for Badge	
First Name	
Last Name/Family Name	
Title	
Company	
Address	
City/Sate/Province	
Postal Code	
Country	
Business Phone	
Fax Number	
E-mail	
VAT	

REGISTRATION INFORMATION

Registration Fees	On or Before October 18, 2008	After October 18, 2008	Amount
Oil Processing Only	695.00 EUR	795.00 EUR	
Industrial Uses Only	345.00 EUR	445.00 EUR	
Oil Processing and Industrial Uses	885.00 EUR	985.00 EUR	

CONTACT INFORMATION FOR REGISTRATIONS

By Bank Transfers
 Ignace Debryne & Associates – OILPROCESS
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 (BIC code: KRED BEBB)

Check Payments: Checks should be payable to “ID&A OIL PROCESS Short Course” and mailed to: Ignace Debryne & Associates – OILPROCESS Haverhuisstraat 28, B-8870 Izegem (Belgium)

CREDIT CARD PAYMENT

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