

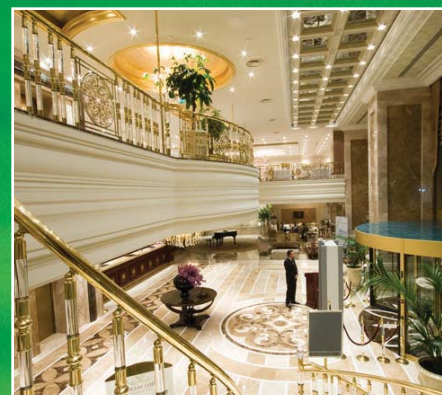


5TH PRACTICAL SHORT COURSE

Advanced Oils & Fats Processing for Functional & Nutritional Food Products

Elite World Hotel – Taksim, Istanbul, Turkey
May 31 – June 1, 2010

This two-day short course will bring together industry experts from all around the world to Turkey to offer practical information to plant engineers, chemists, technicians, managers, and superintendents. This is a unique opportunity for new plant personnel and for those who are experienced to meet experts in the field to discuss their current problems and learn how to enhance their operations.



SPONSORS

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SPEAKERS

Dr. Rob Ariaansz, Chemical Catalyst Group, BASF Nederland, the Netherlands

Dr. Mario Bernardini, Managing Director, CM Bernardini, Italy

Mr. Tanju Besler, Professor, Faculty of Health Sciences, Hacettepe University, Sıhhiye-Ankara, Turkey

Mr. Gunter Börner, Managing Director, ÖHMI Engineering, Germany

Dr. Ignace Debruyne, Technical Marketing Consultant, ID&A, Belgium

Ir. Jan De Kock, DeSmet Ballestra, Belgium

Dr. Albert J. Dijkstra, Independent Oils & Fats Consultant, France

Ms. Pernille Gerstenberg, Administrative Director, Gerstenberg Schröder A/S - an SPX brand, Denmark

Dr. Véronique Gibon, Project Manager R&D, DeSmet Ballestra, Belgium

Ms. Barbara Harten, Oils & Fats Processing, Commercial and Technical Coordination, GEA Westfalia Separator Industry, Germany

Dr. Artemis Karaali, Professor, Food Engineering, Yeditepe University, Kayisdagi-Istanbul, Turkey

Dr. Sefa Koseoglu, President, Filtration & Membrane World, U.S.A.

Mr. Andrew Logan, Product Support Oil & Protein Technology, Alfa Laval, Denmark

Dr. Peter Laurits Luke, Process Leader Energy, AarhusKarlskøbenhavn, Denmark

Dr. Stefan Neufeld, Senior Technical Application Manager Filtration, J. Rettenmaier & Sohne, Germany

Mr. Huseyin Nehos, Plant Manager, Unilever, Turkey

Mr. Frank Veldkamp, Director, Mahle Industrial Filtration-LFC, Netherlands

Dr. Roland Verhe, Professor Organic Chemistry, Faculty of Bioscience Engineering, Ghent University, Belgium

Mr. Greg Waranica, Sales Manager Oils & Fats, BiodieselCrown Iron Works Inc., U.S.A.

MONDAY, MAY 31, 2010

08.50 Opening & Introduction
 09.00 **The Chemistry of Fats and Oils**, Dr. Roland Verhe, Ghent University, Belgium

Oils & Fats Processing

09.30 **Review of Degumming and Refining Technologies**, Mr. Andrew Logan, Alfa Laval, Denmark
 10.00 **Reduce your Maintenance Costs by Process Optimization and Machine Control**, Ms. Barbara Harten, GEA Westfalia Separator Process, Germany
 10.30 Coffee/Tea Break
 11.00 **Quality Control Points in Oil Processing & Pesticides & PAH Removal Strategies**, Mr. Huseyin Nehos, Unilever, Turkey
 11:30 **How to Handle Feedstock Changes - Deodorizer Design & Optimization**, Mr. Greg Waranica, Crown Iron Works Inc., USA.
 12.00 **How to Reduce Energy Usage in a Vegetable Oil Plant: Energy Management Systems, and its Quantification**, Mr. Peter Laurits Luke, AarhusKarlshamn AB, Denmark
 12.30 Lunch Break and Networking
 14.00 **A Modern Refinery: How to Add Value to By-products**, Dr. Mario Bernardini, CM Bernardini, Italy

Bleaching Clay Round Table

14.30 **Bleaching Clay Utilization and Cost Savings**, TBA, Sud-Chemie, Germany
 15.00 **Cellulose Adsorbents to Save Bleaching Earth and to Improve Its Filterability**, Dr. Stefan Neufeld, J. Rettenmaier & Sohne, Germany
 15.30 Coffee/Tea Break
 16.00 **Bleaching Technologies Using Different Adsorbents and their Benefits**, Mr. Gunter Börner, OHMI Engineering, Germany
 16:30 **Most Asked Questions in the Filtration Application of Bleached / Pre-treated Edible/Vegetable and Animal Oils & Fats**, Mr. Bart Scholten or Frank Veldkamp, Amafilter-LFC, Netherlands
 17.00 **Bleaching Clay Round Table followed by Networking Drink**

Hardstock Session

17:30 **Critical Parameters & Points in Margarine Production: How to Identify & Solve Problems**, Ms. Pernille Gerstenberg, Gerstenberg Schröder A/S - an SPX brand, Denmark
 18:00 End of day 1 - **Networking Drink**

TUESDAY, JUNE 1, 2010

09.00 **Basics of Product Formulation**, Dr. Albert J. Dijkstra, France
 09.30 **Designing Novel Hardstocks by Chemical and Enzymatic Interesterification**, Dr. Véronique Gibon, DeSmet Ballestra, Belgium
 10.00 **Practical Approach to Fat Crystallization**, Dr. Albert J. Dijkstra, France
 10.30 Coffee Break
 11.00 **Fractionation Technology**, Dr. Véronique Gibon, DeSmet Ballestra, Belgium
 11.30 **Hydrogenation of Oils and Fats**, Dr. Rob Ariaansz, BASF, Netherlands
 12.00 Lunch Break

Omega-3 Session

13.30 **Omega-3 Market Overview: Products, Size and Applications**, Dr. Ignace Debruyne, ID&A, Belgium
 14.00 **Biochemistry and Nutritional Significance of Omega-3 Fatty Acids**, Mr. Artemis Karaali, Yeditepe University, Turkey
 14.30 **Omega-3 Oils Health Promotion and Disease Risk Reduction**, Mr. Tanju Besler, Hacettepe University, Turkey
 15.00 Tea Break
 15.30 **Retention of Omega 3 Free Fatty Acids During Fish Oil Processing**, Ir. Jan De Kock, DeSmet Ballestra, Belgium
 16.00 **Stabilization of Omega-3 Fatty Acids: Microencapsulation Methods and Technologies**, Dr. Sefa Koseoglu, Filtration and Membrane World LLC, USA
 16.30 **Mechanism of Oxidation and Quality Criteria Oils, Fats and Omega-3 Oils**, Dr. Ignace Debruyne, ID&A, Belgium
 17.00 **Omega-3 Round Table Discussion**
 17.30 End of program

REGISTRATION

5th Practical Short Course on Advanced Oils & Fats Processing for Functional & Nutritional Food Products
 Elite World Hotel, Taksim, Istanbul, Turkey
 May 31 - June 1, 2010

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

REGISTRATION INFORMATION

Registration Fees	On or Before May 1, 2010	After May 1, 2010	Amount
	€ 695.00 (EUR)	€ 795.00 (EUR)	

PAYMENT INFORMATION

International Bank Transfers: Please ask for details by emailing sefa@koseoglu.com
By Bank Draft: Checks should be payable to "Short Courses" and mailed to: Filtration & Membrane World, 309-C Manuel Drive, College Station, TX 77840
By Credit Card: Web: <http://www.bioactivesworld.com/istanbulregistration.html>
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Cancellation Policy: www.smartshortcourses.com