



## 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

**ID&A**

**Dr. Ignace Debruyne**

ID&A Ignace Debruyne & Associates

Tel: +32-(0) 51 31 12 74

Fax: +32 (-) 476 48 07 98

E-Mail: [oilprocess@scarlet.be](mailto:oilprocess@scarlet.be)

Web: <http://www.smartshortcourses.com>



**Filtration &  
Membrane  
World LLC**

**Dr. S. Sefa Koseoglu**

Filtration and Membrane World LLC

Tel: 1-979-764-8360

Fax: 1-979-694-7031

E-Mail: [sefa@koseoglu.com](mailto:sefa@koseoglu.com)

Web: <http://www.membraneworld.com>

## 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

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

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

**Ir. Jan De Kock**, DeSmet Ballestra, Belgium

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

**Ms. Pernille Gerstenberg**, Deputy Managing Director, SPX Flow Technology - Gerstenberg Schröder, 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

**Mr. Seppo Hyvonen**, Regional Market Unit Manager Middle East, SEA & Oceania, VOT, Alfa Laval Malaysia, Malaysia

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

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

**Mr. Peter Laurits Luke**, Process Leader Energy, AarhusKarlshamn, Denmark

**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.

**TBA**, Sud-Chemie, Germany

**TBN**, Unilever, The Netherlands

**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. Seppo Hyvonen, Alfa Laval Copenhagen A/S, 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**, TBN, Unilever, The Netherlands  
 11:30 **How to Handle Feedstock Changes - Deodorizer Design & Optimization**, Mr. Greg Waranica, Crown Iron Works Inc., USA.  
 12.00 **Practical Approach to Fat Crystallization**, Dr. Albert J. Dijkstra, France  
 12.30 Lunch Break and Networking  
 14.00 **How to Reduce Energy Usage in a Vegetable Oil Plant: Energy Management Systems, and its Quantification**, Mr. Peter Laurits Luke, AarhusKarlskøbenhavn AB, Denmark  
 14.30 **A Modern Refinery: How to Add Value to By-products**, Dr. Mario Bernardini, CM Bernardini, Italy  
 15.00 **Bleaching Clay Utilization and Cost Savings**, TBA, Sud-Chemie, Germany  
 15.30 Coffee/Tea Break

**Bleaching Clay Round Table**

16.00 **Cellulose Adsorbents to Save Bleaching Earth and to Improve Its Filterability**, Dr. Stefan Neufeld, J. Rettenmaier & Sohne, Germany  
 16:30 **Bleaching Technologies Using Different Adsorbents and their Benefits**, Mr. Gunter Börner, OHMI Engineering, Germany  
 17.00 **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  
 18.00 **Bleaching Clay Round Table followed by Networking Drink**

**TUESDAY, JUNE 1, 2010**

**Hardstock Session**

9.00 **Basics of Product Formulation**, Dr. Albert J. Dijkstra, France  
 9.30 **Designing Novel Hardstocks by Chemical and Enzymatic Interesterification**, Dr. Véronique Gibon, DeSmet Ballestra, Belgium  
 10.00 **Critical Parameters & Points in Margarine Production: How to Identify & Solve Problems**, Ms. Pernille Gerstenberg, Gerstenberg Schröder A/S, Denmark  
 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](mailto: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>  
 Tel.: 1-979-764-8360 • Fax: 1-979-694-7031 • E-mail: [nedra.sneed@membraneworld.com](mailto:nedra.sneed@membraneworld.com)  
**Cancellation Policy:** [www.smartshortcourses.com](http://www.smartshortcourses.com)