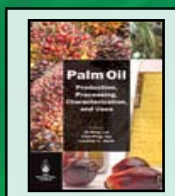




# 11<sup>th</sup> Practical Short Course: Advanced Oil Processing – Palm, Palm Kernel and Tropical Oils Processing and Food Applications

December 9-10, 2013, Panama City, Panama

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## SPEAKERS

**Mr. Jorge Bello**, Sud-Chemie de Mexico SA de CV, Mexico.  
**Dr. Mario Bernardini**, Managing Director, C.M. Bernardini, Italy  
**Mr. Haskell Cooke**, Business Development Manager, Crown Iron Works, Mexico  
**Dr. Ignace Debruyne**, Technical Marketing Consultant, ID&A, Belgium  
**Dr. Albert J. Dijkstra**, Independent Oils & Fats Consultant, France  
**Mr. Leon Pablo Espinosa**, South and Central America Sales, Manager, Desmet Ballestra, USA  
**Mr. Hans Christian Holm**, Senior Manager, Novozymes, Denmark  
**Eng. Jaime Ojeda**, CEO, Consultecnica, Colombia

**Mrs. Edna Rodas**, Senior Account Manager, DSM Nutritional Products, Guatemala  
**Mr. Frank Schoening**, Product Manager Renewable Resources, GEA Westfalia Separator Group GmbH, Germany  
**Mr. Paulo Telles**, Application Manager - Oils and Fats, Crown Iron Works, USA.  
**Mr. Alexander Van Heuverswyn**, Sales Manager, Vyncke Clean Energy Technology, Belgium  
**Mr. Frank Veldkamp**, Director, Mahle Industrial Filtration-LFC, Netherlands  
**Mr. Frederico Vianna**, Regional Manager – Central America and Caribbean, Alfa Laval Inc., Colombia  
**TBN**, SPX Flow Technology, Denmark

## Tentative Program

### Monday, December 9, 2013

- 8:55 Opening Remarks
- 9:00 **Chemistry of Palm, Palm Kernel and Coconut Oil**, Dr. Albert J. Dijkstra, France
- 9:30 **Current Market Trends: Palm & Lauric Oils & Co-Products**, Dr. Ignace Debruyne, ID&A, Belgium

### PALM OIL PRODUCTION

- 10:00 **Optimizing Sterilization, Stripping and Digestion of Palm Fruits**, Eng. Jaime Ojeda, Consultecnica, Colombia
- 10:30 Coffee/Tea Break
- 11:00 **Clarification Technology: Reduce your Costs by Process Optimization**, Mr. Frank Schoening, Renewable Resources / Product Manager, GEA Westfalia Separator Group GmbH, Germany

### ENERGY MANAGEMENT AND BY-PRODUCT VALORIZATION

- 11:30 **Using Empty Fruit Bunches, Fruit Fibers and Palm Kernel Shells for Energy Generation**, Mr. Alexander Van Heuverswyn, Vyncke Clean Energy Technology, Belgium
- 12:00 **Energy Saving and Additional Oil Recovery Opportunities/Technologies in Palm Milling / Processing**, Mr. Haskell Cooke, Business Development Manager, CPM Crown Iron Works, Mexico
- 12:30 Lunch Break and Networking
- 14:00 **Opportunities in Treatment of Raw Palm Oil Mill (POM) Effluents and By-Products**, Mr. Frank Schoening, Renewable Resources / Product Manager, GEA Westfalia Separator Group GmbH, Germany

### PALM OIL PROCESSING

- 14:30 **Critical Parameters in Palm Oil Refining**, Mr. Frederico Viana, Regional Manager – Latin America, Alfa Laval Inc., Colombia
- 15:00 **Palm Oil Refinery - Engineering Design Aspects - Best Engineering Practices to Design a Refinery, from P&IDs, PFDs, Proper Specification of Equipment, Layout, etc.**, Mr. Paulo Telles, Application Manager Oils and Fats, CPM Crown Iron Works, USA
- 15:30 Coffee/Tea Break
- 16:00 **Practical Considerations for Efficient Selection of a Bleaching Adsorbent**, Mr. Jorge Bello, Clariant, Mexico
- 16:30 **Deodorizer Design in Vegetable Oil Refineries**, Mr. Leon Pablo Espinosa, South and Central America Sales Manager, Desmet Ballestra, USA
- 17:00 **Compact Heat Exchanger Solutions**, Mr. Frederico Viana, Regional Manager – Latin America, Alfa Laval Inc., Colombia
- 17:30 End of day 1

### DAY 2: Tuesday, December 10, 2013

### DOWNSTREAM PROCESSING

- 9:00 **Fractionation of Palm and Other Tropical Oils**, Mr. Leon Pablo Espinosa, South and Central America Sales Manager, Desmet Ballestra, USA

- 9:30 **Filtration of Palm Oils and Fats**, Mr. Frank Veldkamp, Mahle Industrial Filtration, Netherlands  
 10:00 **Practical Approach to Fat Crystallization**, Dr. Albert J. Dijkstra, France  
 10:30 Coffee/Tea Break  
 11:00 **Controlling and Reducing MCPD Esters in Refined Palm Oil**, Dr. Ignace Debruyne, President, ID&A, Belgium  
 11:30 **Palm Oil Application in Frying: Improvement of Frying Oil Life**, Mr. Brian Cooke, The Dallas group of America, USA  
 12:00 **Enzymatic Interesterification for Novel Hardstocks & New Path for Biodiesel Production**, Hans Christian Holm, Novozymes, Denmark  
 12:30 Lunch & Networking

#### VALUE ADDED PRODUCTS

- 14:00 **Basics of Product Formulation**, Dr. Albert J. Dijkstra, France  
 14:30 **Margarine and Shortening Based on Palm Oil**, TBN, SPX Flow Technology, Denmark  
 15:00 **Versatility of Palm Oil for Trans Fat Replacement in Foods**, TBC, Dupont Danisco, Denmark  
 15:30 Coffee/Tea Break  
 16:00 **Carotenoids and Vitamin A Fortification of Oils, Fats, Shortening and Margarine**, Mrs. Edna Rodas, Senior Account Manager, DSM Nutritional Products, Guatemala

#### OLEOCHEMICALS AND BODIESEL

- 16:30 **How to Add Value to Palm and Palm Kernel Oil Refinery By-Products**, Dr. Mario Bernardini, C.M. Bernardini, Italy  
 17:00 **Palm and Lauric Oil Based Oleochemical Development and Biodiesel**, Mr. Leon Pablo Espinosa, DeSmet Ballestra NA, U.S.A.  
 17:30 End of program

### Advanced Oil Processing – Palm, Palm Kernel and Other Tropical Oils Processing and Food Applications December 9 - 10, 2013, Panama City, Panama

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