



14th Practical Short Course Advanced Oil Processing - Palm, Palm Kernel and Coconut Oil Processing and Food Applications Bogotá, Colombia - October 27 and 28, 2016



Hotel Estelar La Fontana
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Bogotá, Colombia
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Speakers

Mr. Hernan Algarra, Regional Manager, Latin America & The Caribbean, Croll Reynolds, U.S.A.

Mr. Jorge Bello, Business Development & Technical Support Manager, Clariant Productos Químicos, México

Mr. Roberto Berbesi, Technical Sales Manager Latam/Asia, Oil-Dri Corporation of America, Colombia

Mr. Mario Bernardini, Technical Director, C.M. Bernardini, Italy

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

Mr. León Pablo Espinosa, South and Central America Sales Manager, Desmet Ballestra NA, U.S.A.

Mr. Serge Ghion, South and Central America Sales Manager, Desmet Ballestra NA, U.S.A.

Mr. Favian Guevara, Sales Engineer, Vegetable Oil Technology, Alfa Laval Inc., Colombia

Mr. Marc Hendrix, Fractionation Product Manager, DeSmet Ballestra, Belgium

Prof. Paulo César Narváez Rincón, Director of Chemical and Environmental Engineering, National University of Colombia, Colombia

Mr. Hernan Paredes, Latin America Business Manager, CPM Crown Iron Works, Honduras

Mr. Andrés Rumayor, Manager Lipids, Palsgaard Industri, Mexico

Mr. Bruno Reis de Oliveira Silva, Departamento de Desenvolvimento, Hollbras Filtros e Equipamentos, Brazil

Mr. Frank Schöning, Product Manager, Sales Steering & Support Separation Renewable Resources, GEA Westfalia Separator, Germany

Ms. Pinto Soraya, Country Manager for Andean Region, DSM Nutritional Products, Colombia

Tentative Program

Day 1: Thursday October 27, 2016

- 8:55 Opening remarks
- 9:00 **Current Market Trends: Palm & Lauric Oils & Co-Products**, TBA, Colombia
- 9:30 **Chemistry of Palm, Palm Kernel and Coconut Oil**, Prof. Paulo César Narváez Rincón, Universidad Nacional de Colombia, Colombia

PALM OIL PRODUCTION

- 10:00 **Optimizing Sterilization, Stripping and Digestion of Palm Fruits**, TBA
- 10:30 Coffee/Tea Break
- 11:00 **Processing of Fresh Coconut and Recovery of Virgin Coconut Oil by Using Mechanical Centrifugation**, Mr. Frank Schöning, GEA Westfalia Separator Group, Germany

ENERGY MANAGEMENT AND BY-PRODUCT VALORIZATION

- 11:30 **Saving and Additional Oil Recovery Opportunities in Palm Milling and Processing**, Mr. Hernan Paredes, CPM Crown Iron Works, Honduras
- 12:00 **Sustainable Palm Oil Recovery – Avoiding effluent with GEA Westfalia Separator Ecod**, Mr. Frank Schöning, GEA Westfalia Separator Group, Germany
- 12:30 Lunch Break and Networking
- 14:00 **D3PRO - A Green Clarification System: Best Oil Yield and Lowest Effluent Production**, Mr. Favian Guevara, Alfa Laval, Colombia.
- 14:30 **How to Add Value to Palm and Palm Kernel Oil Refinery By-Products**, Mr. Andrea Bernardini, Dr. Mario Bernardini, Technoilogy, Italy

PALM OIL PROCESSING

- 15:00 **Critical Parameters in Palm Oil Refining**, Mr. Favian Guevara, Alfa Laval, Brazil
- 15:30 Coffee/Tea Break
- 16:00 **Nano Reactor Technology to improve Chemicals Consumption in Neutralization and Biodiesel Production**, Mr. Leon Pablo Espinosa, Desmet Ballestra, U.S.A.

- 16:30 **Practical Considerations for Efficient Selection of a Bleaching Adsorbent**, Mr. Roberto Berbesi, Oil-Dri Corporation of America, Colombia
- 17:00 **Palm Oil Filtration and Problem in Vertical Filters and How to Avoid Them**, Mr. Bruno Reis de Oliveira Silva, Hollbras Filtros e Equipamentos, Brazil
- 17:30 End of Day 1

DAY 2: Friday, January 30, 2015

- 9:00 **Palm Oil Bleaching and Processing**, Mr. Jorge Bello, Clariant Productos Químicos, México
- 9:30 **Deodorizer Design in Palm Refineries**, Mr. Hernan Paredes, CPM Crown Iron Works, Honduras
- 10:00 **Vacuum Systems in Edible Oil Processing**, Mr. Hernan Algarra, Croll Reynolds, U.S.A.
- 10:30 Coffee/Tea Break

DOWNSTREAM PROCESSING

- 11:00 **Introduccion on the Palm Oil Crystallization Process**, Mr. Andrés Rumayor, Palsgaard Industri, Mexico
- 11:30 **Enzymatic and Chemical Interesterification Technology for Novel Shortening and Margarine Hardstocks**, Mr. Serge Ghion, Desmet Ballestra, Peru
- 12:00 **Continuous Fractionation, iConfrac and Fractionation to Obtain Palm Oil Mid Fraction**, Mr. Marc Hendrix, Desmet Ballestra, Belgium
- 12:00 Lunch Break
- 13:30 **How to Mitigate 3MCPS and DG in Palm in Running Plants Today**, Mr. Leon Pablo Espinosa, Desmet Ballestra, U.S.A.

VALUE ADDED PRODUCTS

- 13:30 **Controlling Oxidation Stability, Minimizing TFAs, and Reducing MCPD Esters in Refined Palm Oil**, Dr. Ignace Debruyne, ID&A, Belgium
- 14:20 **Adding Value to Fats & Oils through Micronutrients Fortification: Use of DHA and Natural Antioxidants**, Ms. Pinto Soraya, DSM Nutritional Products, Colombia
- 14:45 End of program

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REGISTRATION INFORMATION (Registration rate includes short course manuals, lunch and coffee breaks)

Registration Fees	
STANDARD Registration	\$945
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PAYMENT INFORMATION

Student rates on demand. Group registration rates: 10 % off for three or more; 20% off for five or more

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