SCHEDULE

Sunday, October 27, 2019
4:15 PM  Registration, The Hampton Inn
5:30 PM  Short Course Orientation
  “How to Get The Most Out of a Training Program” – Staff, Process Engineering R&D Center
5:45 PM  Dinner, Rudy’s BBQ (optional)

Monday, October 28, 2019
7:40 AM  Bus leaves hotel to Rudder Tower, Texas A&M University
8:00 AM  "Basics of Fats and Oils Chemistry; Factors Affecting Crude Oil Quality" – M.S. Alam
9:00 AM  "Vegetable Oil Extraction: Pros and Cons" – R. Clough
10:15 AM  Break
10:30 AM  "Use and Benefits of Enzymes in Vegetable Oil Processing" – S. Gregory
11:45 AM  Lunch
12:45 AM  Group Photo
1:00 PM  "Removal of 3MCPD from Edible Oil" – L. Espinosa
2:15 PM  Break
2:30 PM  "Degumming of Crude Oils and Basics of Vegetable Refining" – W. Younggreen
3:30 PM  Bus leaves for RELLIS Campus – Combined Acid Degumming and Caustic Refining Demonstration
5:00 PM  Bus leaves for hotel

Tuesday, October 29, 2019
7:40 AM  Bus leaves hotel for Rudder Tower, Texas A&M University
8:00 AM  "Deodorizer design and Heat Recovery" – L. Espinosa
9:00 AM  Break
9:15 AM  "Centrifuges and Decanters in Vegetable Oil Processing, Design, Operation and Maintenance" – G. Waranica
10:30 AM  Break
10:45 AM  "Absorptive Bleaching Materials and Processes" – J. Bello
11:45 PM  Lunch
12:00 PM  "Water Management Technology in the Refinery" – W. Younggreen
2:00 PM  Break
2:15 PM  "Filtration During Processing" – B. Boyd
3:15 PM  Bus leaves for RELLIS Campus – Adsorptive Oil Refining Demonstration (Bleaching)
5:00 PM  Bus leaves for hotel

Wednesday, October 30, 2019
7:40 AM  Bus leaves hotel for Rudder Tower, Texas A&M University
8:00 AM  "Application of FT-NIR in Vegetable Oil Analysis" – D. Honig
9:15 AM  "Hydrodynamic Cavitation Technology for Vegetable Oil and Biodiesel Processing" – D. Litle
10:15 AM  Break
10:30 AM  "Employing Lab Scale Equipment to Resolve Plant Scale Issues" – F. Filippini
11:30 AM  Graduation Lunch
1:00 PM  "Purification of Biodiesel" – J. Bear
2:00 PM  "Vegetable Oil Feed Stocks and Renewable Diesel" – M. Holtzapple
3:00 PM  Break
3:15 PM  Bus leaves for RELLIS Campus – Deodorization of Vegetable and Biodiesel Production
5:00 PM  Bus leaves for hotel

Thursday, October 31, 2019
7:40 AM  Bus leaves hotel for Rudder Tower, Texas A&M University
8:00 AM  "Formulation and Technologies of Non-Trans Products" – J. Satumba
9:00 AM  "Safety and Environmental Issues in the Work Place" – D. Breeding
9:45 AM  "Vacuum Systems: Operations and Troubleshooting" – A. Fris
10:45 AM  "Global fats and Oils Supply for the Food Industry" – F. Hidzir
11:45 AM  Lunch
1:00 PM  "Biobased Industrial Fluids & Lubricants" – S. Awbrey
2:00 PM  Short course Adjourns

You can register online at http://perdc.tamu.edu/fatsoils/
OBJECTIVES OF SHORT COURSE
Train production personnel in principles and practices of:
- New methods in vegetable oil refining & processing
- Latest methods in bleaching, intresterification and deodorization of major vegetable oils
- Production of biofuels
- Production of non-trans fat
- Filtration systems

ACCOMMODATIONS
Reservations for lodging should be made directly by attendee. A block of rooms has been reserved at the Hampton Inn for short course participants at the special rate of $89/night plus tax for single or double occupancy. Ask for the rate specifically and mention the Group Code “MRG.” Hotel reservations must be received before October 13, 2019 in order to get special rate. You can make your reservation by telephone, fax, or the Internet:

When faxing or emailing hotel reservations, please include a credit card number to confirm your reservation, and also include your departure and arrival dates.

Hampton Inn
320 Texas Ave. S.
College Station, Texas 77840, USA
Tel: 979.846.0184; FAX: 979.846.8807
www.collegestation.hamptoninn.com

TRANSPORTATION
Easterwood Airport at College Station is easily reached by about 10 flights daily. From Dallas/Ft. Worth International Airport connect via American Airlines. From Houston Intercontinental Airport connect via Continental Airlines. The airport code for Easterwood Airport is CLL. To get to the hotel in College Station, participants can call the Hampton Inn (979.846.0184) upon arrival at Easterwood Airport for courtesy van service or schedule a pickup with GroundShuttle.com (855.303.4415) from George Bush Intercontinental airport (IAH) or Houston Hobby airport (HOB).

REGISTRATION
The registration fee for the short course and pilot plant demonstrations includes Sunday evening mixer, daily lunch, refreshments at breaks, and social periods. Registration fee is $815.00. Registration fees are not refundable, but substitute personnel may be sent by the same firm. Space is limited; therefore, applications will be accepted on a first-come, first-served basis. Rights to substitute speakers, changes topics and schedules as necessary to expedite the course are reserved. Participants must be pre-registered before arrival in College Station.

You can register online at http://perdc.tamu.edu/fatsoils/
You can pay by credit card (American Express, Visa, or Master Card) online.

If paying by check, make payable to TEES (Texas A&M Engineering Experiment Station) and mail to TEES Fiscal Office, 3124 TAMU, College Station, TX 77843-3124.

For registration inquiries, contact:
Cyndi Casanova
Short Course Coordinator
Process Engineering R&D Center
2476 TAMU
College Station, Texas 77843-2476 U.S.A.
Tel: 979.845.2741
Fax: 979.845.2744
Email: shortcourse@tamu.edu

LOCATION AND FACILITIES
All lectures will be held at Rudder Tower, Texas A&M University Campus. College Station temperatures are from 70-80°F (21-26 °C) in October. Participants will be taken by bus to the Fats & Oils Pilot Plant at Texas A&M’s Riverside Campus for afternoon demonstrations.

SHORT COURSE CONDUCT
All short course sessions will be informal. Insurance policies do not allow non-university personnel, other than original manufacturers, to operate equipment. Questions are encouraged during the lectures, breaks, and social periods. Laptops are allowed in the classroom to follow the presentations in the short course eBook manual. If you require WiFi access during the conference, please inform the Short Course Coordinator when you register (the hotel has its own WiFi access and is separate from the conference). Rights to cancel this course with refund, to deny service, to substitute speakers, and to change schedules, as necessary to expedite the course, are reserved. Texas A&M University System policy does not allow inclusion of alcoholic beverages in registration fees.

INSTRUCTORS
Dr. Mohammad S. Alam, Head, Fats & Oils Program, Process Engineering R&D Center, Texas A&M University
Spencer Awbrey, Chief Technical Officer, Envirosource, Inc.
Jeremiah Bear, The Dallas Group of America, Inc.
Jorge Bello, Global Technical Service Manager, EP Engineering Chays
Bill Boyd, LEEM Filtration
David Breeding, Engineering Safety Officer and Asst. Director, Environmental Health & Safety Dept., Texas A&M University
Dr. Rich Clough, Head, Protein & Extraction Program, Process Engineering R&D Center, Texas A&M University
Leon Espinosa, Regional Sales Manager, DeSmets Ballestra North America
Frank Filippini, Applications Specialist, Oil-Dri Corporation of America
Allen Fris, Sr. Sales Engineer, Graham Corporation
Steve Gregory, Account Manager, DSM
Fairus Hidzir, Regional Manager, MPOB
Dr. Mark Holtzapple, Professor, Chemical Engineering, Texas A&M University
Dr. David Honigs, Senior Scientist, Perten Instruments, Inc.
Darren J. Little, Director of Technical Sales-Oils & Fats Biodiesel, Arisyn Systems Inc.
Dr. John Satumba, Fl & Analytical Chemistry Lead, Cargill O&S R&D
Greg Waranica, Oil & Fat Mechanical Equipment Manager, GEA Mechanical Equipment US, Inc.
Stacy Williams, Process Engineering R&D Center, Texas A&M University
William Younggreen, Alfa Laval, Inc.

UPCOMING SHORT COURSES
For details, visit http://perdc.tamu.edu/shortcourses/
Vegetable Oil Frying
August 2020
Trends in Margarine and Shortening Manufacturing, Non-Trans Products
May 2020

For additional technical information, contact:
Dr. MS Alam
Process Engineering R&D Center
Texas A&M Engineering Experiment Station
Texas A&M University System
College Station, Texas 77843-2476 U.S.A.
Tel: 979.845.2740
Email: msalam@tamu.edu

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