TRAINING

FCC Process and Catalyst Fundamentals and New Technology Developments

The Fluid Catalytic Cracking (FCC) unit has long been the "heart of the refinery" and is the primary conversion process in most refineries. Over the years the FCC unit has shown flexibility to reinvent itself multiple times in response to changing market conditions, evolving from a gasoline producer and volume expansion unit, to an octane barrel producer, to a residue conversion option, to a valuable piece of the puzzle in addressing increased middle distillate demand, to a producer of feedstocks for petrochemicals and further clean fuel production processes such as alkylation.

You will learn

An awareness and understanding of FCC process and catalyst fundamentals, exposure to the various unit process design differences for FCC, RFCC, and High Olefin FCC (HOFCC), and a summary of new technology developments from process licensors, equipment suppliers, and catalyst and additive suppliers.

- Introduction to the FCCU and History of Development
- Process Flow
- FCCU Process Differences
- Cracking Reaction Chemistry
- Heat Balance
- Pressure Balance
- Feed Properties and Operating Variables
- Key Equipment
- FCC Catalyst and Additive Fundamentals
- Understanding Equilibrium Catalyst Data
- Catalyst Selection and Testing
- Operating and Reliability Issues
- Resid FCC
- Yield Flexibility
- Fluidization Issues
- New Technology Developments

Who should attend

Unit operators and supervisors, refinery plant engineers, technical service and process engineers, both experienced and new to the FCC.

FCC equipment and process licensors, and service providers who want a better understanding of the FCC process can also benefit.

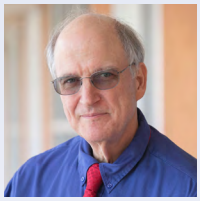
Prerequisites

An understanding of refining processes and petroleum refinery terminology is expected, having some experience with the FCC unit is helpful.

REFCOMM®
RIO DE JANEIRO 2020
Sheraton Grand Rio Hotel & Resort

22 – 23 June 2020

Training starts at 0900 and finishes at 1700 both days. The program includes catered lunch and breaks. Attendees also receive a training manual that can serve as a valuable office reference. Dress code is casual.



Joe McLean

Joe McLean, Vice President in Catalyst Consulting for the Houston-based Astron International. Joe has more than 40 years of refining experience, including twenty seven years in the fluid catalytic cracking unit (FCCU) while working for BASF. Joe joined BASF (formerly Engelhard) in 1987, holding positions in R&D, sales, technical service, marketing, and business development. His final position was as Global Technology Manager for Refining Catalysts, where he worked with refiners worldwide to implement BASF's catalyst technologies. Prior to joining BASF, Joe held positions in process development, engineering, and program management with ARCO, Research-Cottrell, and Hydrocarbon Research, Inc.

Training Pass	Early Before 11/5	Standard
Includes catered lunch and breaks.		
FCC Process and Catalyst Fundamentals and New Technology Developments 22 – 23 June 2020	☐ $1,400	☐ $1,500

Conference Pass Options		
Conference pass includes catered lunch, breaks, and cocktail receptions.		
Refiner 23 – 25 June 2020	☐ $950	☐ $1,090
Vendor 23 – 25 June 2020	☐ $1,340	☐ $1,490

Register before 11 May 2020 to benefit from early discounts.

Conference Schedule

	Monday	Tuesday	Wednesday	Thursday
Training	0900-1700	0900-1700		
Conference			0900-1700	0900-1700
Exhibiiton		1700-1800	0900-1800	0900-1600

Registrant Info and Payment

Prefix _____ First Name _____ Last Name _____

Job Title _____ Company _____

Mailing address _____ City _____

State/Province _____ Postal code _____ Country _____

Registrant's email _____ Registrant's phone _____

Signature _____ Date _____

Payment amount _____ ☐ Check ☐ Wire Transfer ☐ Mastercard ☐ American Express ☐ Visa

Name on credit card _____ Card expiration date _____

Credit card number _____ Security code _____

Please indicate your area of interest in a percentage equaling 100%. For example DCU 70% FCC 30% DCU _____ FCC _____ OTHER _____

Payment is due prior to the start of the conference or training. Fees will be charged to your credit card at the time of registration unless other arrangements have been made. Make checks payable to "RefComm Inc".

Refund and Cancellation Policy

Registering for this training course prior to 30 days will help maximize the probability that the course will proceed as planned. Fees are fully refundable until three weeks before the event, after which a $200 USD fee will be charged for cancellations. Cancellations after 1 week before class until 24 hours before class are charged a 50% fee. All other cancellations and no-shows are non-refundable. Substitutions are allowed. Submit all cancellations and transfers in writing, by email or by fax.

When making travel plans, please consider that classes may be cancelled at 30 days prior to the event due to low enrollment.

The initial purpose of collecting your contact data is to inform you of details relevant to your participation at RefComm®. We will also use the data to notify you of other conferences, tradeshows, training and consulting services.

REFCOMM®
RIO DE JANEIRO 2020
Sheraton Grand Rio Hotel & Resort

Registration Form

Early registration ends
11 May 2020

Send this page to:

email RefComm@RefiningCommunity.com

mail
REFCOMM® Inc.
800 Cranberry Woods Drive, Ste 220
Cranberry Twp, PA 16066
USA

Prices are in US Dollars

Checklist

Register early to benefit from scheduled advertising and promotions.

Send a separate form for each person or register online at your convenience.

Make checks payable to "RefComm Inc."

Bank Transfer
Please contact Marlea Stockenberg
marlea@coking.com

Register before 11 May 2020 to benefit from early discounts.