

Coking.com®
CatCracking.com®

REFCOMM
GALVESTON 2014



April 28 – May 2, 2014

The
Coking & CatCracking Conference
is now RefComm

This is where the Refining Community comes together to hear about new technologies, share best practices, learn from near misses and mistakes, and network with other professionals.

25

This is our 25th conference and we invite you to be part of the success!

Beginning in 2001 we have hosted conferences all over the world with an emphasis on safety:

More production – less risk.

Training

More info at

RefiningCommunity.com/Galveston2014

Delayed Coker Operations and Reliability

Instructor: Gary Pitman

For new and experienced workers who want to broaden their understanding of the delayed coker unit.

Coker Process, Design, and Troubleshooting

Instructor: Evan Hyde

This advanced course covers the design, operations and troubleshooting of the delayed coker.

Mechanical Integrity Management of Coke Drums

Instructor: Dr. Mahmod Samman

Understand mechanical and structural failure modes in coke drums and manage their integrity in an efficient manner.

FCCU Operations Fundamentals

Instructor: Ken Peccatiello

With a range of demonstrated flexibility and volume expansion, the FCCU is one of the most valuable process units in the refinery.

FCCU Process and Recent Developments

Instructor: Christopher F. Dean

No longer just a fuels producer, the FCCU is producing petrochemical feedstocks, pretreating tar sands and producing biofuels.

Hydrotreating Fundamentals

Instructor: Barry Robinson

This course covers all aspects of this process, including overviews, process flows and chemistry, catalysts, equipment, and proper operation.

Understanding Fixed Equipment Integrity

Instructors: Al Hegger, Claudio Allevato, Julian J. Bedoya, & Mike Guillot
Increase your knowledge on the key aspects of designing and maintaining fixed equipment. In cooperation with Stress Engineering Systems, Inc.

Catalytic Reforming Fundamentals

Instructor: Barry Robinson

The course has a practical, operational focus for unit engineers, supervision and operators, both experienced and inexperienced.

Alkylation Fundamentals

Instructor: Barry Robinson

Alkylation process fundamentals, flows, chemistry, equipment, operation, PSM and technical service.



Informative and dynamic **presentations**, industry professionals share their expertise in a multimedia presentation followed by Q&A with the audience.



Training classes conducted by expert instructors using a variety of learning techniques: lecture, discussion, visuals, hands on practice, and sometimes actual equipment.



A **workgroup** is a great forum for sharing Lessons Learned or Best Practices. A Subject Matter Expert speaks briefly about a particular topic. Then discussion is opened to the group.



A **round table** of experts make a series of brief presentations on a key topic. Then the audience is welcome to ask the panel questions, with discussion and collaboration from the experts.



Explore current hot topics in **breakout discussions**, guided by a facilitator so that everyone gets an opportunity to participate. Suppliers and refiners join together to share and learn.



Demonstrations & workshops explain the features and benefits of suppliers' equipment, and you get to ask how it is working in the field.



Top Conference Accommodations at Moody Gardens, Galveston

Presentations

Coker Valves

Coker Valves Interlock Improvement Project at Suncor Energy Inc.
Dom Toledo, Suncor Energy Inc.

Coke Drum Valve Operations Integrity Project Updates
A refiner presents

Our Coker Safety and Reliability: a Refiner's Perspective on Multiple Sites

Effect of Dual-Inlet Feed on the Integrity of Coker-BUD Joint
Dr. Khaled Sadek, PhD, P.Eng, Suncor Energy Inc.

Decommissioning: Safety and Environmental Excellence with Increased Profitability John Reed, Refined Technologies Inc.

Reduce Coke Drum Vent Pressure: Report on EPA Standards
Frank Tracy, Phillips 66

Round Tables

Chemical Additives and Data Mining

Finding Data in the Noise: A Data Mining Tool
James Noland, Dorf Ketel Chemicals LLC

Measuring Yield Shifts with Statistical Confidence
A refiner's analysis

Jet Pump Reliability Case Studies and Solutions
LyondellBasell, Motiva Enterprises, CHS Inc.,
Valero-Texas City, & Tiger Industrial Rentals

Breakout Discussions

Effective and Efficient Safety Improvements

Most Significant Safety Coker Risks

Handling Tarry Drums

Blowout Mitigation and Prevention

Focus Groups: A) Process, B) Reliability, C) Operations

Demonstrations and Workshops

Hands on Automation of a Coke Cutting System Flowserve

Innovations in Flowserve's Cutting System Flowserve

Free Fall Arrestor for the Crosshead RuhrPumpen

Cutting Tool RuhrPumpen

Electric Hoist Demo RuhrPumpen

Extended Coke Drum Life through Retractable Center-Feed Injection DeltaValve

Non-Rising Stem Technology for Unheading Valves and Isolation Valves in the DCU DeltaValve

Advanced Welded Repairs for Heavy Wall Vessels and Components
AZZ WSI LLC

DCU Simulation & CBT GSE Systems, Inc.

Jet Pump Demo Tiger Industrial Rentals

Presentations

Capturing Maximum Value with Tight Oil Feeds in the FCC
Alexis Shackelford, BASF Catalysts LLC

Converter® Changes Pennies into \$\$\$
Johnny Highfield & Nikolas Larson, Marathon with BASF

FCC Special Valves: Best Practices to Increase Performance and Reliability Mauro Natalini, Remosa IMI

Automation of Separation for More Bottom of the Barrel Return Victor Scalco, Gulftronic

Using Petro-Sim to Optimize an FCCU with Integrated Product Separation Greg Tragitt, KBC Advanced Technologies Inc.

Improving FCC Unit Performance
Mel Larson & Joni Lipkowitz, KBC Advanced Technologies Inc.

Converter® Changes Pennies into \$\$\$
Johnny Highfield & Nikolas Larson, Marathon with BASF

Decommissioning a FCCU: Safety and Environmental Excellence with Increased Profitability John Reed, Refined Technologies Inc.

FCCU Expansion Joint Application, System Design, and Reliability Considerations Tej Chadda, FosterWheeler USA Corp

Troubleshooting FCCUs Processing LTOs and Unconventional Canadian Crudes Greg Savage, Nalco Champion

Round Table

FCC Revamps

More Propylene in Existing FCC Units and Revamps
Christopher Dean-High Olefins FCC Technology Services LLC

FCC Revamp Solutions
Harvey McQuiston-Technip, & Johnny Highfield-Marathon Petroleum

Workgroups

Extending Creep Life of a High Temperature Refinery FCC Reactor

Main Fractionator Bottom System Upgrades

Troubleshooting FCC Operational Problems

FCC Revamps Solutions

Adjusting Catalyst Coke Selectivity to Meet Refiner's Needs

FCCU Selective Catalytic Reduction (SCR) Systems

Scaffolding and Staging for TAR's: Inside and Outside

Demonstrations and Workshops

An Inside Look at the CatCracker Expansion Joint EagleBurgmann KE, Inc.

FCCU Process Optimization with High-Performance Temperature Instrumentation Daily Thermetrics Corp.

See Inside an FCC Regenerator CPFD Software

Petro-Sim for FCC KBC Advanced Technologies Inc.

General Presentations

FCCU and DCU Safety Vs. Cost
Neal Cammy, Blac Inc





Standards for the Future of the Hydrocarbon Processing Industry
Dr. Maurice Wilkins & Graham Bird, Yokogawa

Detailed Schedule
and descriptions at

RefiningCommunity.com/galveston2014

Schedule

Detailed schedule and descriptions at RefiningCommunity.com/galveston2014

Monday	Tuesday	Wednesday	Thursday	Friday
Training Delayed Coker Operations & Reliability Coker Process, Design, & Troubleshooting Mechanical Integrity Management of Coke Drums FCCU Operations Fundamentals FCCU Process & Recent Developments Hydrotreating Fundamentals Understanding Fixed Equipment Integrity		Catalytic Reforming Fundamentals	Alkylation Fundamentals	
	 Presentations Breakout Discussions Round Tables	 Presentations Breakout Discussions Workgroups Demonstrations	 Presentations Breakout Discussions Workgroups	
	Exhibition Tuesday 5:00pm – Thursday 7:00pm			Conference

Training Monday-Friday

2-day and 1-day training courses for DCU, FCCU, hydrotreating, and more. Separate registration required for Conference.



ValvTechnologies, the leading manufacturer of coking Isolation and switch valves, cordially invites you to our hosted happy hour at RefComm. Stop by, relax and visit with appetizers and drinks on **Tuesday, April 29th at 8:30pm in the Floral Hall.** For more information, visit us at booth 89!

Conference Wednesday-Friday

An amazing line-up of presentations, breakout groups, and round tables. Closely integrated with the Exhibition networking breaks, this is what makes RefComm unique, inventive, and practical.

Exhibition Tuesday-Thursday

Tuesday evening Welcome Reception is open to all attendees. The Exhibition is open Wednesday and Thursday during networking breaks and evening reception. Thursday afternoon features demonstrations that encourage feedback from the audience.

Sponsors

Get Supervisor Approval

Convince your boss of the advantages of attending: education, networking, safety, and efficiency.

Get tips and download a letter template here: RefiningCommunity.com/Galveston2014/Supervisor

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Conference & Exhibition April 29 5:00 pm – May 2, 2014 1:00 pm

Admittance to Tuesday evening Welcome Reception and continues to Friday afternoon. Includes catered breakfast, lunch, breaks, and cocktail receptions during that time.

☐ **Conference Pass**

Early Registration
(ends March 21, 2014)
\$950

Regular
Registration
\$1,050

Please indicate your areas of interest:

☐ Coking

☐ CatCracking

Training

Includes catered breakfast, lunch, and breaks.

- ☐ Delayed Coker Operations and Reliability
- ☐ Coker Process, Design, and Troubleshooting
- ☐ Mechanical Integrity Management of Coke Drums
- ☐ FCCU Operations Fundamentals
- ☐ FCCU Process and Recent Developments
- ☐ Hydrotreating Fundamentals
- ☐ Understanding Fixed Equipment Integrity
- ☐ Catalytic Reforming Fundamentals

Course Pass (2 days)

Early Registration
(ends March 21, 2014)
\$1,375

Regular
Registration
\$1,575

☐ Alkylation Fundamentals

Course Pass (1 day)

Early Registration
(ends March 21, 2014)
\$695

Regular
Registration
\$795

Register Online

regonline.com/RefCommGalveston

By Fax

+1 360.544.0126

By Mail

The Refining Community
1410 Lowe Avenue
Bellingham, WA 98229, USA

Need more information?

info@Coking.com

+1 360.966.7251
403.668.7467 Canada

Reserve Your Rooms Now

Rooms must be booked separately with
Moody Gardens Hotel

Tel: 800.388.8484

Ask for the **RefComm**
special room rate.

Convenient payment by credit card,
check, bank wire transfer, or cash.

Total Amount: _____

Prefix: _____ First Name: _____ Last Name: _____

Job Title: _____

Company: _____

Mailing Address: _____

City: _____

State/Province: _____ Zip/Postal Code: _____ Country: _____

Phone: _____ Fax: _____ Email: _____

Name on Credit Card: _____

Card Number: _____ Expiration Date: _____ CVC: _____

Signature: _____ Date: _____

