

REFCOMM

RIO DE JANEIRO 2014

Coking.com CatCracking.com

29 September–3 October 2014



The Coking & CatCracking Conference is now called 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.

Monday - Tuesday

Training



Informal Reception

In English



Delayed Coker Operations and Reliability

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

Instructor: Gary Pitman



Coker Process, Design, and Troubleshooting

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

Instructor: Evan Hyde



FCCU Process and Recent Developments

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

Instructor: Christopher F. Dean

In cooperation with Stress Engineering Services, Inc.

Understanding Fixed Equipment Integrity

Enhance the plant engineer and inspector's understanding and knowledge. API 579/ASME FFS-1 sessions go into detail on the standard and how it applies to pressure vessels.

Instructors: Luiz C. Largura Jr., Julian Bedoya, Claudio Allevato

In Portuguese and Spanish

Structural Integrity of Coke Drums

Hone skills needed to understand coke drum mechanical and structural failure modes, manage their integrity in an efficient manner and improve reliability, performance, and safety.

Instructors: Luiz C. Largura Jr., Julian Bedoya, Claudio Allevato

More information about training courses at

RefiningCommunity.com/Training-Rio

Wednesday

Thursday

Friday

Conference

FLOWSERVE
manufacturing
plant tour

Exhibition Wednesday – Thursday

Simultaneous interpretation

during the conference will be offered in Portuguese, Spanish, and English



Informative and dynamic **presentations** by industry professionals in a multimedia format followed by Q&A with the audience.



Training courses 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.



During **round table** sessions, multiple pre-selected topics are offered simultaneously. Each small group shares experiences and solves problems on the topic most relevant to them.



Breakout discussions explore hot topics, guided by a facilitator so that everyone gets an opportunity to participate. Suppliers and refiners join together to share and learn.



In a **panel discussion**, speakers give a series of brief presentations on a key topic. Then the audience asks questions, discusses and collaborates.

Presentations**Top and Bottom Deheading Improvements and Steam Supply Reliability**

Mitchell Moloney, ExxonMobil

Bulging Assessment and Long-Term Repair of Coke DrumsDr. Mahmud Samman, Houston Engineering Solutions
Ediberto Bastos Tinoco & Fabio Marangone, Petrobras Energia SA**Case Study: Coke Cutting System Automation Upgrade**

Andrew Worley, Flowserve

Coker Vessel Life Extension Repair Field Implementation

Pedro Amador, AZZ WSI

Foster Wheeler Design Improvements to Mitigate Operating Issues

Jesus Cabello, Foster Wheeler USA

Innovative Advancements in Delayed Coking Equipment

Miguel Lopez, DeltaValve

Coke Drum Thermomechanical Fatigue Testing of Weld Overlay Repaired PlateJulian Bedoya & Luiz C. Largura, Stress Engineering Services
Ediberto Bastos Tinoco & Fabio Marangone, Petrobras Energia SA**Opportunities and Limitations of Remote and Automatic Coke Cutting**

Dr. Wolfgang Paul, Ruhrpumpen

Optimization Strategies for Temperature Instrumentation in Delayed Coking Unit

Taylor Fama, Daily Thermetrics Corp

Ultrasonic In-Line Inspection and Fitness-for-Service Analysis for Furnaces

Paulo Augusto Martinez, Director, A. Hak Brasil Servico Industriais LTDA

Other refiners present**Upgrade Coke Unit Metallurgy for Sulfur and Naphthenic Acids****DCU Furnace Tube Failure Due to Fast Range Creep****Cracking in Welded Unions of DCU Drums****Round Tables**

- Experiences with Valve Interlock Systems (SIS)
- Coke Pad Incidents
- Pigging Issues
- Spare Parts Strategy
- Decoking Operations: Do's and Don'ts
- Furnace Issues and Best Practices
- Fractionator Fouling
- Operator Staffing and Training: Issues and Success Stories
- Valves: Do's, Don'ts and Best Practices
- Automation
- Heavy Coker Gasoil Properties
- Velocity Steam Best Practices
- Quench Cycles / Hotspots Best Practices

Presentations**Testing Catalyst Additives for Sulfur Reduction in Cat-Naphtha**

Maria Paz Chiavarino, Axion Energy

Accurate Data for Catalyst Recovery and On Spec CSO to Create a Profit

Victor Scalco, Gulftronics

FCCU Process Optimization**with High-Performance Temperature Instrumentation**

Andy Puetz, Daily Thermetrics Corp

FCCU Regenerator Vessel Structural Repair**Utilizing Automated Weld Metal Overlay**

Pedro Amador, AZZ WSI

Acoustic Emission Monitoring Extends Fractionator Life

Claudio Allevato, Stress Engineering Services

New Developments in Catalyst Handling for FCC and RFCC Units

Lucas Revellon, Johnson Matthey/Intercat

Workgroups**FCCU Expansion Joint Application, System Design, and Reliability Considerations**

Tej Chadda, Foster Wheeler

FCC Revamps: Purpose and Economics**Main Fractionator Bottom System Upgrades****Round Tables**

- Producing More Propylene and Ethylene from a FCC Unit
- ECAT: 1) Monitoring Properties, 2) PSD: Fluidization & Fines
- Unconventional Thinking / New Trends in Process Design, Configuration, and Maintenance
- Spare Parts Strategy
- Troubleshooting FCC Units Processing Unconventional Crudes
- Upgrading Main Column for Feed Flexibility
- Improving FCCU Performance
- Treating Contaminants in Off Gases for Petrochemical Feedstocks
- Low Delta Coke Catalyst and Other Catalyst Issues
- Refractory Best Practices

General Topics**Eliminating Contaminants, Including H₂S, for Fast and Safe Vessel Entry**

Martha Smith, Zyme-Flow Decon Technology

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/Rio2014/Supervisor

I liked everything, especially the exposition that showed me that in Brazil we do the same things and share the same problems.

– Refiner at Petrobras

This training had good information that helps remind me not to take shortcuts. Small mistakes can have huge effects.

– Refiner at Holly Frontier Tulsa

Breakout groups were an excellent opportunity to interact and exchange common issues.

– Refiner at BP Toledo


Loved the focus on safety or operations by the presenters.

It's an awesome networking opportunity.



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Conference and rooming at Sheraton Rio Hotel & Resort

Sponsors



Indicate your interest by percentage
(For example: 50%, 50%)

Coking _____ CatCracking _____

Conference & Exhibition (1–3 October 2014)

Starts on Wednesday, the conference continues to Friday. Includes lunch, breaks, and cocktail receptions during that time. Registrants are welcome to an informal reception Tuesday evening.

Conference Pass:	Early Registration (ends 22 August 2014)	Regular Registration
Refiners	<input type="checkbox"/> \$950	<input type="checkbox"/> \$1,075
Suppliers	<input type="checkbox"/> \$1,340	<input type="checkbox"/> \$1,490

Plus 5%
ISS tax

Training (29–30 September 2014)

One 2-day training course from Monday to Tuesday including an informal reception on Tuesday evening. Includes catered lunch and breaks.

- Select one of these 2-day courses.
- Delayed Coker Operations and Reliability
 - Coker Process, Design, and Troubleshooting
 - Structural Integrity of Coke Drums
 - FCCU Process and Recent Developments
 - Understanding Fixed Equipment Integrity

Course Pass:	Early Registration (ends 22 August 2014)	Regular Registration
	<input type="checkbox"/> \$1,090	<input type="checkbox"/> \$1,190

Plus 5%
ISS tax

Register Online
regonline.com/RefCommRio

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

**Reserve Your Room at
Sheraton Rio Hotel & Resort**

Get the special RefComm rate of \$280 including breakfast:
RefiningCommunity.com/Lodging-Rio

Lodging is not included with your registration.

All prices in US dollars

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

Contact us regarding purchase orders or payment in Brazilian reals.

Total Amount: _____

Prefix: _____ First Name: _____ Last Name: _____

Job Title: _____

Company: _____

Mailing Address: _____

City: _____

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

Phone: _____ Fax: _____ Email: _____

Credit Card Name on Credit Card: _____

Bank wire transfer Card Number: _____ Expiration Date: _____ CVC: _____

Check Signature: _____ Date: _____