

# TRAINING

## Mechanical Integrity and Reliability of Coke Drums

This course provides participants with the knowledge and skills needed to understand mechanical and structural failure modes in coke drums and manage their integrity in an efficient manner.

This course is tailored for refinery engineers and inspectors who are involved in the operation, reliability, and maintenance of delayed cokers. This training is also useful to managers who are involved in making decisions regarding vessel replacement. Priority for registration in this class is given to operating company personnel.

### You will learn

#### Introduction

- Design primer
- Uniqueness of coke drums
- Common failure modes
- Relevant industry documents
- Introduction to FEA

#### Skirt Failures

- Skirt cracking and buckling
- Assessment of cracked and distorted skirts
- Skirt bolt failures
- Skirt repairs and retrofitting
- Unconventional skirts

#### Shell Failures

- Tilting
- Cracking
- Bulging
- Types of bulges
- Bulging assessment
- Bulge repairs
- Unconventional shells

#### Action Plan

- Drum life
- Inspection and monitoring
- Actions and strategies

#### Prerequisites

Recommended for those with previous experience in design, process, operations or maintenance of delayed cokers.

#### Training Pass

Includes catered lunch and breaks.

Mechanical Integrity and Reliability of Coke Drums  
November 2 – 3, 2020

Early  
Before 9/21

\$1,495

Standard

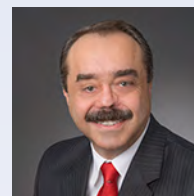
\$1,595

**REFCOMM**  
GALVESTON 2020

Moody Gardens Convention Center

Nov. 2 – 3, 2020

Training starts at 8:00am and finishes at 5:00pm 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.



#### Dr. Mahmod Samman

Dr. Mahmod Samman is the president of Houston Engineering Solutions. He has thirty years of industry experience mostly in damage assessment, repair, and life extension of coke drums. His state-of-the-art techniques in this field are utilized around the world. A licensed professional engineer in Texas, he has a Ph.D. in Engineering Mechanics from Duke University, numerous publications, and four issued and pending patents. He is a member of ASME and ASCE and a committee member of API 579/ASME FFS, API 934G and API 934J.

## Join us for the rest of RefComm!

RefComm® is recognized as the premiere worldwide conference for Delayed Coking (DCU). RefComm® also includes Fluid Catalytic CatCracking (FCCU), Solvent Deasphalting (SDA), and Sulfur Recovery (SRU). When coping with Tier 3 regulations and leveraging existing assets with automation and the Industrial Internet of Things (IIoT), staff knowledge is easily overlooked. With operational excellence in mind, RefComm® caters to the operators in your units. The week starts with 2 days of training, followed by the technical conference and 100 exhibit booths with the latest technologies. Send your crews. Get them better equipped to run efficiently and safely with **More Production and Less Risk!**

### Conference and Exhibition

#### Refiner Price:

	Early Before 9/21	Standard
FCCU, SDA, SRU November 4 – 5, 2020	\$970	\$1,080
DCU, FCCU, SDA, SRU November 4 – 6, 2020	\$1,095	\$1,195

#### Vendor Price:

DCU, FCCU, SDA, SRU November 4 – 6, 2020	\$1,095	\$1,195
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Please indicate your areas of interest: ☐ DCU ☐ FCCU ☐ SDA ☐ SRU ☐ Other

Conference pass includes catered breakfast, lunch, breaks, and cocktail receptions.

### Registrant Info and Payment

Prefix	First Name	Last Name
Job Title	Company	
Mailing address	City	
State/Province	Postal code	Country
Contact email	Contact phone	
Signature	Date	
Payment amount	<input type="checkbox"/> Check <input type="checkbox"/> Wire Transfer <input type="checkbox"/> Mastercard <input type="checkbox"/> American Express <input type="checkbox"/> Visa	
Email Address (RefComm Inc. will send the invoice to this email address)		

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, tradeshow, training and consulting services.

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GALVESTON 2020

Moody Gardens Convention Center

## Registration Form

Early registration ends  
September 21 2020

Send this page to:

**email** RefComm@  
RefiningCommunity.com

**phone** +1 (360) 966-7251

**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