

# 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.

	Early Before 20/8	Regular After 20/8
Mechanical Integrity and Reliability of Coke Drums (1-2 October)	\$1,495	\$1,595

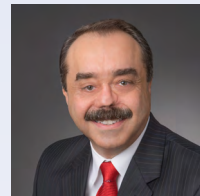
#### Conference Pass Options

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

Refiner Pass (Tue-Thu, 2-4 October)	\$1,090	\$1,290
Vendor Pass (Tue-Thu, 2-4 October)	\$1,480	\$1,580

1-2 October 2018

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.



#### 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.

	1 <sup>th</sup> -Monday	2 <sup>th</sup> -Tuesday	3 <sup>th</sup> -Wednesday	4 <sup>th</sup> -Thursday
0900-1700	Training	Training	Conference & Exhibition	Conference, Exhibition & Training
1700-1800		Reception & Exhibition	Reception & Exhibition	
1700-1600				Reception & Exhibition

## Registration Form

Early registration ends  
20 Aug. 2018

### 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% SRU 30% DCU \_\_\_\_\_ FCC \_\_\_\_\_ SRU \_\_\_\_\_

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 "Refining Community".

#### Refund Policy

Fees are fully refundable until 10 September 2018 (three weeks before the event), after which a \$200 USD fee will be charged for cancellations. Registering for this training course prior to 10 September 2018 will help maximize the probability that the course will proceed as planned. Cancellations after 24 September 2018 (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.

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.

Send this page to:

fax +1 (360) 544-0126  
 email RefComm@RefiningCommunity.com  
 mail Coking.com Inc  
 520 Fieldston Rd.  
 Bellingham, WA 98225  
 USA

Or register online at

[Regonline.com/RefCommSpain](http://Regonline.com/RefCommSpain)

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** "Coking.com Inc."

#### Bank Transfer

Please contact Marlea Stockenberg  
 marlea@coking.com