

# TRAINING

## Coker Process, Design, and Troubleshooting

This two day course delves deeper into the delayed coker from a process, design, and troubleshooting perspective.

Because the participants are anticipated to have some experience working in a plant, the focus will be on exploring the nuances of various design choices from a process or equipment perspective. The course will explore the pro's and con's of a variety of solutions to common problems. Similarly, the troubleshooting will review typical scenarios and solutions that are encountered by operating DCUs.

### You will learn

- Common design considerations and comparison of various technology platforms
- Equipment failure modes and common reliability issues
- Process control strategies for optimization
- Heater fouling mechanisms and mitigation strategies
- Cracking reactions and feed property considerations
- Coke morphology causes and effects
- Review of major safety incidents over the past 20 years

The curriculum will be interactive based on group exercises and questions or concerns posed by the participants. Come prepared to get some options to consider for your plant. All of the experiences are based on real world examples from plants around the world with varying configurations or equipment types.

### Who should attend

**Refinery staff** experienced (1+ years) in delayed coking. This includes operators, engineers, inspectors, or maintenance staff.

**Experienced chemical or mechanical engineers** who are assigned to support a DCU.

**Vendor staff** who want to understand how their equipment and possibility their competitors equipment is designed and utilized in the field.

**Project staff** working on design projects. Learn more about common issues and develop solutions for your clients before the equipment is operated.

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

#### Training Pass

Includes catered lunch and breaks.

Coker Process Design and Troubleshooting (1-2 Oct. 2018)

Before 20/8

\$1,495

After 20/8

\$1,595

1-2 Oct. 2018

Training starts at 0900 and finishes at 1730 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.



#### Evan Hyde

Evan Hyde is the Director of Field Services for Coking.com Inc. Formerly he was president of Telaxe, a coker consulting firm.

He previously was president of C2 Nano Technology where they researched surface treatments to combat fouling and corrosion issues in cokers and other petrochemical process units.

He was a Senior Engineering Advisor for Becht Engineering Co., Inc. New Jersey. He has consulted on processing improvement and reliability initiatives for coking clients around the world. He also participated in onsite peer assessments of Coker Units at eight refineries which included improvements in maintenance work practices, process enhancements, and turnaround scope optimization.

Prior to joining Becht, Evan worked for ExxonMobil Research and Engineering, as a process engineer, with assignments in research, and troubleshooting for heavy oil upgrading equipment. He holds a B.S. of Chemical Engineering from Pennsylvania State University.

## Conference Pass Options

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

**Early**  
Before 20/8

**Regular**  
After 20/8

Refiner Pass (Tue-Thu, 2-4 October 2018)

\$1,090

\$1,290

Vendor Pass (Tue-Thu, 2-4 October 2018)

\$1,480

\$1,580

## Registration Form

Early registration ends  
20 Aug. 2018

## Conference Schedule

	1-Monday	2 <sup>nd</sup> -Tuesday	3 <sup>rd</sup> -Wednesday	4 <sup>th</sup> -Thursday	5 <sup>th</sup> -Friday
0900-1730	Training	Training	Conference & Exhibition	Conference & Exhibition	Training
1730-1830		Reception & Exhibition	Reception & Exhibition		

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

DCU \_\_\_\_\_ SRU \_\_\_\_\_ FCCU \_\_\_\_\_

### 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)

## 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 \_\_\_\_\_

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.

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