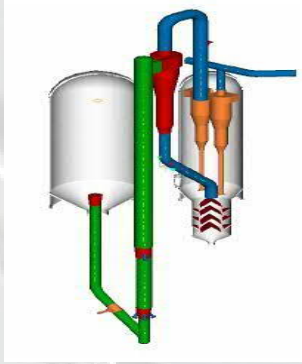


## 34<sup>th</sup> FCC SEMINAR

March 7-9, 2023

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Presented by:

Reza Sadeghbeigi

of

***RMS Engineering, Inc.***

Three Day Fluid Catalytic Cracking (FCC) Seminar

in

Las Vegas, Nevada

Join us in Las Vegas as we Celebrate **RMS' 27<sup>th</sup> Year** of Providing First Class FCC Expertise and Know-How to the Refining Industry, World-Wide

### **A Real Learning Experience – Unlike Any Other**

“An excellent training resource for those who desire to truly understand catalytic cracking and acquire meaningful know-how for improved FCC operations”

Without a doubt, RMS offers the best possible value for your FCC learning experience. The fee for this class is by far the least costly when compared to similar training courses, which can be as much as 5 times our cost.

## Day 1 - FCCU Fundamentals

### Topics:

- Process Description
- Control Scheme
- Feedstock & Catalyst Properties
- Chemistry of Converter Reactions
- Mass & Heat Balance
- Operating Variables
- Environmental Compliance

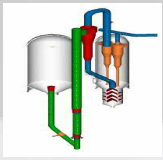
## Day 2 FCC Catalyst Fluidization & Trouble-Shooting

### Topics:

- Fundamental of Catalyst Fluidization
- Pressure Balance
- Sub-Par product Yields
- Leading Indicators & Workshop
- Catalyst Loss Issues
- Inadequate and/or Erratic Catalyst Circulation
- Excessive Afterburning
- Premature Coking & Fouling

## Day 3 Engineer Tool kits & Unit Optimization

- Key Monitoring “Tool Kits”
- No Capital Cost Optimization Knobs
- Low Capital Cost Optimization Projects
- High Capital Cost Upgrades

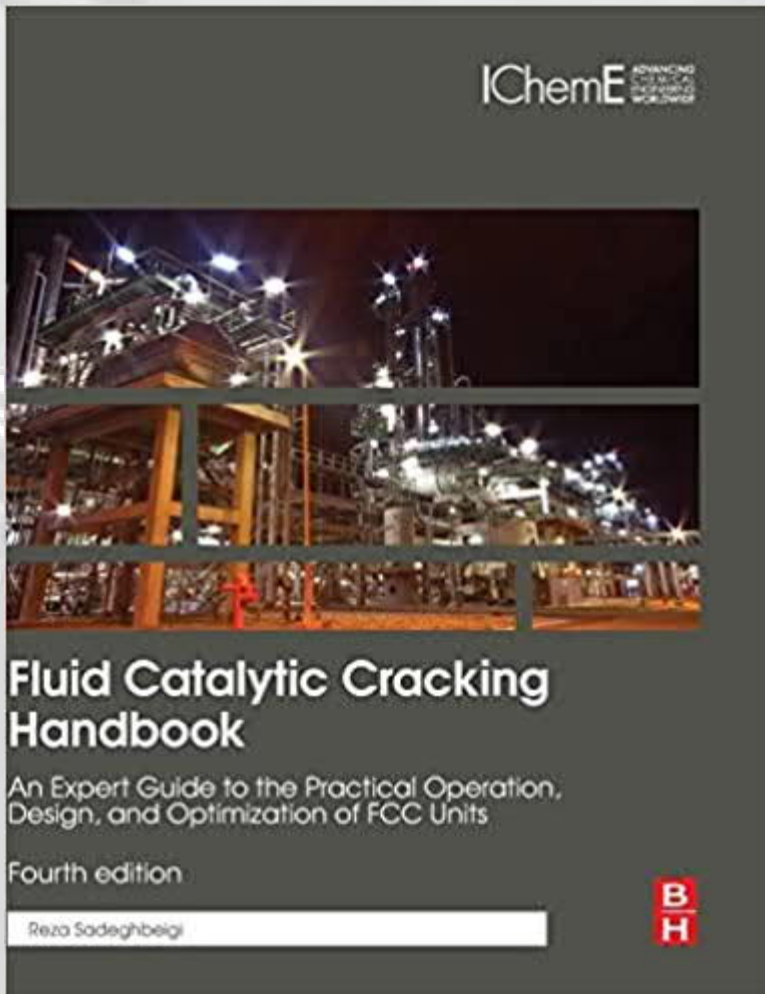


RMS Engineering, Inc.  
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Bellaire, Texas 77401  
Phone: 281-333-5900  
Email: [judy@rmsfcc.com](mailto:judy@rmsfcc.com)

## FCC Handbook – 4<sup>th</sup> Edition

### How to Get Your Copy

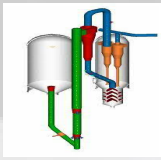
**EXCLUSIVE OFFER FOR REGISTERED PARTICIPANTS ONLY!**



Each registered/paid participant is eligible to receive an autographed copy of the newly released 4<sup>th</sup> Edition of the "***Fluid Catalytic Cracking Handbook- An Expert Guide to the Practical Operation, Design, and Optimization of FCC Units,***" by ***Reza Sadeghbeigi***, at **a discount offered only to registered seminar participants.**

The 4<sup>th</sup> Edition of the FCC handbook has completely been re-worked, updated with with new chapters to address many of the issues being faced in today's FCC/RFCC practices.

We are making this private offer to you at a 25% discount (you will pay only \$155, where actual retail is \$190). Just indicate that you would like to purchase the book when enrolling. Both the course notebook as well as this "FCC handbook" will serve as valuable reference



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tools for many years to come. They contain techniques, procedures, and tips that can be put to immediate use.

## **RMS' 34<sup>th</sup> FCC Seminar Information**

<b>To Register:</b>	<b>Email:</b> <a href="mailto:judy@rmsfcc.com">judy@rmsfcc.com</a> <b>Phone:</b> (281) 333-5900 <b>Fax:</b> (281) 333-0119	<b>RMS Engineering, Inc.</b> <b>5959 West Loop South #625</b> <b>Bellaire, Texas 77401</b>
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**Seminar Fees.....** **\$1,950 (3 Days)**  
 To reserve your discounted copy of the new FCC handbook, please add \$155 to the total of your course selections

**Payment:** Check or Money Order payable to RMS Engineering, Inc. or

**Credit Cards:** Please provide credit card information on the following page. (MasterCard, Visa, Amex, Discover, Diners Club)

**Early Bird Discount:** We are offering a **10% discount** from your enrollment fees if you register **before January 23, 2023** (a savings of nearly **\$200!**)

**Seminar Location:** **Hampton Inn- Las Vegas Strip South**  
 7850 Giles Street  
 Las Vegas, Nevada, 89123  
 702-936-8257

**Seminar Schedule:** The seminar sessions are held from 8:00 AM to 5:00PM on the first two days. Day 3 is from 7:30 AM to at 3:00 PM

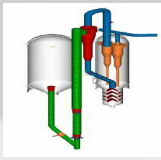
**Cancellations:** If you cancel in writing one week prior to the start date of the seminar, a 10% *Service Fee* will be charged. Registered delegates who do not attend or cancel one week or less prior to the start date are liable for the entire *Seminar Fee*.

**Substitutions:** Substitutions can be made at any time prior to the seminar start date. Please call us immediately to correct the seminar registration record.

**Registration Ends:** **February 27, 2023**

**Accommodations:** A limited number of hotel rooms are reserved at the Hampton Inn, at rate of **\$169 per night (until February 7, 2023)**. Room reservations should be made directly with the hotel. Please mention the RMS Engineering Seminar to receive this discounted rate

**RMS' Guarantee:** We guarantee the quality of our seminars completely. If for any reason you are dissatisfied, RMS will offer a full refund of the seminar fee.



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**RMS REGISTRATION FORM – March 7-9, 2023**

(FOR ADDITIONAL REGISTRANTS, PLEASE DUPLICATE THIS FORM)

- March 7-9, 2023** **\$1,950 per person**
- 10% Early Bird Registration (before January 23, 2023)**  
Tuition Only
- 4<sup>th</sup> Edition of FCC Handbook** **\$155 per book**  
Offer limited to one (1) copy per participant  
\*\*issued at time of seminar. Advance copy: a \$10 shipping/handling charge will be added.

<b>Participant Name:</b>	
<b>Position/Title:</b>	
<b>Company:</b>	
<b>Address:</b>	
<b>City, State, Zip Code:</b>	
<b>Phone: (    )</b>	<b>Email:</b>
<b>How long have you worked in the FCC area?</b>	

CREDIT CARD AUTHORIZATION FORM	
<b>Name on Credit Card:</b>	
<b>Name of Participant:</b> (if different)	
<b>Company Name:</b>	
<b>Billing Address:</b>	
<b>City, State, Zip Code:</b>	
<b>Phone: (    )</b>	<b>Fax: (    )</b>
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<b>Credit Card Number:</b>	<b>3 – 4 Digit CID/CW2 Code:</b>
<b>Cardholder Signature:</b>	<b>Credit Card Expiration Date:</b>

*With the signature provided above, cardholder authorizes payment for the 2018 seminars to RMS Engineering, Inc. If participant cancels, in writing, one week in advance of the seminar, a 10% service fee of the total amount, will be assessed. If participant cancels less than one week, or fails to attend, the full registration fee will be assessed.*

REGISTRATION RECEIVED ON \_\_\_\_\_