



愛城華人工程師學會
EDMONTON CHINESE ENGINEERS SOCIETY

c/o ASSIST Community Services Centre,
9653 – 105A Avenue,

Edmonton, Alberta, Canada T5H 0M3

Web site: www.eces.cc

APRIL 2009 TECHNICAL DINNER MEETING

When: April 20, 2009
6:00 PM (Networking)
6:30 PM (Dinner)

Where: 9431 Jasper Ave, 2nd Floor
Mirama Restaurant

Speaker: **Clive Dewar P.Eng.**
Production Engineer FCCU,
Petro-Canada Edmonton Refinery

Topic: **The Fluid Catalytic Cracking Unit**

The FCCU is widely considered one of the most flexible and versatile units in a refiner's arsenal and is responsible for the largest volume of gasoline refined for the North American automobile market. The flexibility of this unit is in part due to the continuous regeneration of the circulating fluid catalyst. Typically the FCCU runs for 3 to 5 years before shutting down for repairs however an upset in the FCCU can lead to a shortage of gasoline at the pumps as was experienced this past summer at many Petro-Canada gas stations in Western Canada.

The presentation will focus on but not be limited to the following topics:

- Simplified Refinery Overview
- Location of the FCCU in the Refinery
- History of the FCCU
- Some Basic Chemistry
- Vessels & Equipment
- FCCU Feedstock
- The FCCU Process

Cost: **\$15 (member)/\$10 (student member)**
\$25 (non-member)/\$15 (student non-member)
– *Prices include GST & gratuities*

Includes technical presentation and 9-course Chinese dinner

Contact: Please register with Cuong Vuong, P.Eng. at (780) 265-
6880 or [mailto: cuong.vuong@hotmail.com](mailto:cuong.vuong@hotmail.com)
