



**Canadian Society for
Chemical Engineering
(CSChE) – Edmonton Section**

**American Institute of
Chemical Engineers
(AIChE) – Alberta Chapter**

Oil and Gas Industry Paradigms

**June 4-5, 2015
University of Alberta, Edmonton, Alberta**



Oil and Gas Industry Paradigms – This 2 day course covers the basics of how the oil and gas industry operates on regional, national and global scales. The main business drivers that producers consider in looking at potential activities, depends strongly on what assets they have access to, but opportunities must then be assessed from the point of view of:

**Resources/Reserves/Productivity
Economics
Technology
Policy
Risks**

Content will include basic information as well as insights into recent news articles and case studies addressing specific questions.

Who Should Attend? Engineers, environmentalists, scientists and suppliers, working in the upstream oil and gas sector or students/new grads hoping to work in the upstream oil and gas industry.

Certificates of completion will be issued. These can be used for professional development hours (16 PDHs).

Class times. Classes will run each day from 9:00 am – 4:30 pm.

Workshop Topics:

- Global and National Resources
- Oil and Gas Price Drivers
- Accessing and Assessing Reserves
- Recovery Technologies (Basics)
- Capital and Operating Costs
- Economics – Calculations vs. the “Real” World
- Simplified Case Studies – What If?
- Risks is Reserves, Sustainability and Economics
- Energy Strategies and Policies
- “Predicting” or “Guessing” The Future
- Wrap-up Discussion

June 4-5, 2015

**U of A North Campus,
Room – TBC in NREF Building
<http://www.campusmap.ualberta.ca>**

Fees:

**CSChE/AIChE/CIC members - \$450
Non-Members - \$500
Discount of 10% (multiple registrants)
University Students/New Grads (will need to show
student card for 2014/15 school) - \$75**

Registration Form – See second page.

About the Course Leader:

Bruce Peachey, FEIC, FCIC, P.Eng. - The instructor for this course, obtained his BSc in Chemical Engineering in 1976 at the University of Saskatchewan, in Saskatoon.. He worked for Imperial Oil Limited for almost sixteen years, in various assignments in conventional and thermal heavy oil operations, in Calgary, Cold Lake and the Battle River Area. In 1991, he left Imperial, and formed New Paradigm Engineering Ltd, in Edmonton. New Paradigm has taken on many projects related to energy technologies, potential R&D needs for addressing oil sands, conventional oil and gas, water and energy needs, improving energy efficiency and water management in the upstream oil and gas sector in Western Canada.

Bruce is a registered professional engineer in Alberta, was a founding Board member of the Petroleum Technology Alliance Canada (PTAC), as well as being a member of the CSChE Edmonton Section Executive since 1994. He is also a member of Society of Petroleum Engineers (SPE), Canadian Heavy Oil Association, and a provisional member of the American Academy of Forensic Sciences (AAFS). For more information see website: www.newparadigm.ab.ca

Course Proceeds: Course proceeds, after costs, are used to support Local CSChE and AIChE activities, CSChE Edmonton Section support to CSChE Chemical Engineering Student scholarships, and U of A ChESS club activities.

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Registration Form

Discount

Registration covers all program materials, refreshments during breaks and lunch but excludes accommodation. For organizations sending more than one participant, a 10% discount to the fee applies to the second and subsequent registrations.

Cancellations

To cancel you must send your request by email to newparadigm@shaw.ca.

Seven or more business days in advance: full refund less \$50 administration charge.

In case of unexpected event occurring after this time you may send someone else to take your place without any additional cost. The CSChE reserves the right to change the date or location of its events. The CSChE's responsibility will under no circumstances exceed the amount of the collected fee.

Contact Information

Registration:

Michelle Moulton
The Chemical Institute of Canada
Toll-free 1-888-542-2242
E-mail: profdev@cheminst.ca

Mail, fax or email completed form with payment to:
CSChE/Industrial Energy Management
for Professional Development
130 Slater Street, Suite 550,
Ottawa, ON K1P 6E2
Tel. (613) 232-6252
Fax (613) 232-5862

Local Section/Technical Contact:

Bruce Peachey, FEIC, FCIC, P.Eng.
CSChE Edmonton Section Treasurer
C/o New Paradigm Engineering Ltd
E-mail: newparadigm@shaw.ca
Tel: (780) 448-9195

Yes, register me now for:

- Oil and Gas Industry Paradigms

Please list additional names on separate copies made from this registration form.

Name: _____

Position: _____

Company/organization: _____

Nature of business: _____

Address: _____

City: _____ Prov: _____ Postal code: _____

Tel. (business) _____ (residence) _____

Please provide both business and residence telephone numbers in case of changes.

Fax: _____ E-mail: _____

Tax information:

If you are tax-exempt, enter your tax-exempt number in the space below and attach a copy of your tax-exempt certificate.

Exempt no. _____

Payment method

Payment must be received before course start date. Registration fees are \$450 for CSChE/AICHe/CIC members, \$500 for non-members, and \$75 for students, plus 5% GST.

Membership no.: _____ Organization: _____

Tuition (CDN funds) \$ _____

Plus 5% GST (GST no. 108076431) \$ _____

Total amount due \$ _____

Charge to: MasterCard VISA Amex

Card Number _____ Expiry date _____

Cardholder's Name _____

Authorized signature _____

Certified - cheque or money order no. _____

Payable to: **The Chemical Institute of Canada**