



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

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

Industrial Energy Management in the 21st Century

June 28-30, 2006

University of Alberta, Edmonton, Alberta



Industrial Energy Management in the 21st Century is a 2-1/2 day workshop aimed at improving the participants' knowledge and understanding of the various principles involved in designing and operating processes at optimum energy efficiency. The primary focus is on processes, equipment and utilities in the oil refining, gas processing, chemical and petrochemical industries. The workshop includes lectures, working sessions, discussion time and software. There will also be presentations from several companies specializing in different aspects of energy management.

Who Should Attend? The workshop is aimed at energy managers and engineers involved in plant operation,

troubleshooting and process design in the oil refining, gas processing, and chemical & petrochemical industries.

Certificates of completion will be issued. These can be used for continuing education credits (2 CEUs) and/or professional development hours (20 PDHs).

Class times. Classes will run 8:30 am – 5:00 pm, but will end at noon on Friday, June 30th.

Workshop Topics:

- Introduction: Overview of Energy Use
- Energy Technology & Thermodynamics
- Steam Systems
- Other Utility Systems
- Process Heat Integration
- Key Process Equipment Items
- Energy Efficiency Programs
- Includes Notes, CD with Energy Efficiency Spreadsheets
- See more details at: www.rossiters.org/associates/education

About the Course Leader:

Alan Rossiter is President of Rossiter & Associates, a process improvement consulting company working primarily in the fields of industrial energy efficiency, waste minimization and capacity debottlenecking. Clients include ExxonMobil, ConocoPhillips, Citgo, Syncrude Canada, Sasol (Pty) Ltd. (South Africa), and the Government of Canada. Dr. Rossiter worked for nearly ten years with ICI (Imperial Chemical Industries) in England, serving in a variety of technical and managerial positions in process design, operations and troubleshooting. He also worked for eight years with Linnhoff March, Inc., a consulting firm specializing in pinch analysis.

Dr. Rossiter received his Ph.D. in chemical engineering, from the University of Cambridge, England. He has more than 25 years of process engineering and management experience and more than 50 publications in energy efficiency and waste minimization, including the McGraw-Hill book, "Waste Minimization through Process Design" (1995), and the "Energy Management" article in the *Kirk-Othmer Encyclopedia of Chemical Technology, 5th Edition*, (John Wiley & Sons, 2005). He is also a frequent conference speaker and course instructor. He is a chartered engineer, a registered professional engineer (Texas), and a member of the American Institute of Chemical Engineers and the Institution of Chemical Engineers.

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**U of A Campus,
Room - ETLE 1-013 in the Engineering Teaching
and Learning Centre (ETL)**
<http://www.campusmap.ualberta.ca>

Fees:
CSChE/AIChE/CIC members - \$900
Non-Members - \$1100
Discount of 10% (multiple registrants)
Students - \$500

Registration Form – www.chemeng.ca/profdev

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 in writing to our office.

Fifteen 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
www.cheminst.ca/profdev

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

Local Section/Technical Contact:

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

Yes, register me now for:

- o **Industrial Energy Management in the 21st Century**

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 \$900 for CSChE/AIChE/CIC members, \$1100 for non-members, and \$500 for students, plus 7% GST.

Membership no.: _____ Organization: _____

Tuition (CDN funds) \$ _____

Plus 7% GST (GST no. 108076431) \$ _____

Total amount due \$ _____

Charge to: MasterCard VISA Amex

Card Number _____ Expiry date _____

Cardholder's Name _____

Authorized signature _____

Certified/company cheque or money order no. _____

Payable to The Chemical Institute of Canada