



*Presents*

## **US Residential Mechanical Ventilation Installation Training**

**March 14 – 16, 2012**

**2 - half days and 1 full day  
(See registration form for times)**

Participants of the 2012 HVACR & Mechanical Conference in Colorado Springs, CO are invited to attend this 2-day US Residential Mechanical Ventilation Installation training course at a discounted rate. The course is being offered immediately following the close of the Conference.

The Heating, Refrigeration and Air Conditioning Institute of Canada (HRAI) is interested in working with Community Colleges and Trade Schools to raise awareness within the HVACR industry of the importance of mechanical ventilation and the role it can play in addressing moisture management and indoor air quality issues. Accredited educational facilities can generate a whole new revenue stream through delivery of the HRAI Residential Mechanical Ventilation Installation training program to local contractors as a stand alone 2-day certification program. It can also be incorporated into an existing HVAC curriculum and taught over a longer timeframe to full-time or continuing education students. This session can qualify as a "Train the Trainer" for instructors from pre-approved educational facilities that wish to become certified to instruct the program.

### **About the Course:**

The Residential Mechanical Ventilation Installation Course is designed for contractors and building professionals who are interested in developing opportunities in the residential ventilation market, in addition to those currently involved with designing and installing residential mechanical ventilation systems including heat and energy recovery ventilators (HRVs/ERVs). The course covers the fundamentals of air quality and system requirements and focuses specifically on system design and installation. Course participants receive the complete HRAI Residential Mechanical Ventilation Manual, as endorsed by the Home Ventilating Institute (HVI). Completion of a two hour open-book exam is required for certification.

***This course qualifies for 16 hours of continuing education credits for NATE recertification and BPI heating specialists.***

### **Course Elements:**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Ventilation capacity         | <input checked="" type="checkbox"/> Grille and diffuser sizing |
| <input checked="" type="checkbox"/> Ventilation air distribution | <input checked="" type="checkbox"/> Control system selection   |
| <input checked="" type="checkbox"/> Exhaust-type systems         | <input checked="" type="checkbox"/> Combustion appliances      |
| <input checked="" type="checkbox"/> Balanced systems             | <input checked="" type="checkbox"/> Depressurization testing   |
| <input checked="" type="checkbox"/> HRVs/ERVs                    | <input checked="" type="checkbox"/> Air flow measurement       |
| <input checked="" type="checkbox"/> System design and layout     | <input checked="" type="checkbox"/> System start-up            |
| <input checked="" type="checkbox"/> Duct layout and sizing       |  |

### **About The Instructor: Bill Crist, B.Sc., P.Eng., RASDT, RHDT**

Bill has been active in all aspects of the design and construction of energy efficient housing for more than 30 years and has participated in numerous studies involving the performance of HVAC systems, including heat/energy recovery ventilation. Familiar with ASHRAE 62.2 and the CAN/CSA F326 standard, Bill has been instructing HVAC and building science training programs for HRAI SkillTech Academy for 27 years. Bill also works with builders and HVAC contractors to help solve building science, heating and ventilation problems.

***Conference participants are being offered a reduced registration fee of \$450 for this certification program.*** Please note that a maximum of 20 registrants will be accepted on a first come, first served basis. Those interested in attending should complete the accompanying registration form and fax it immediately to HRAI at the number provided.



# REGISTRATION FORM

Registration for the HVACR & Mechanical Conference for Educational Professionals must be done separately at [www.instructorworkshop.org](http://www.instructorworkshop.org)

Registrant Name \_\_\_\_\_ Title/Position \_\_\_\_\_

College/School/Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

**2-Day Course Fee: \$450 (Includes course materials and lunch)**

Method of Payment:  Visa  MasterCard  Check (*Payable to "HRAI"*)

Credit Card Number:     -     -     -          Expiry Date   /        Security Code

Card Holder Name: \_\_\_\_\_ Signature: \_\_\_\_\_

**If paying by Credit Card, complete this form and fax to HRAI at 905-602-1197.**

**If paying by check, complete this form, fax a copy to HRAI at 905-602-1197 and mail the original along with check to HRAI at address noted below.**

### Accommodations and Meals

Cheyenne Mountain Resort will offer course participants a special rate of **\$157.23** (including taxes) per person per night for accommodations and meals (breakfast and dinner) for March 14<sup>th</sup> and 15<sup>th</sup>. This cost will be the responsibility of the course participant.

### Cancellation Policy

Refunds (less \$25.00 Administrative Fee) will be granted if notice of cancellation is communicated to SkillTech Academy more than one week prior. A \$25.00 Administrative Fee will be applied to all NSF checks.

### Course Time

Wednesday March 14<sup>th</sup>      1:00pm – 4:30pm  
Thursday March 15<sup>th</sup>      8:00am -4:30pm  
Friday March 16<sup>th</sup>      8:00am - Noon

### Limited Enrollment

A maximum of 20 participants will be accepted for this training program. To avoid disappointment, please register early.

### Course Confirmation

**Please note that delivery of this training is subject to a minimum number of course participants.** A decision will be made no later than February 17, 2012 as to whether or not the session will proceed.

**Our school is interested in learning more about becoming a Delivery Partner for the SkillTech Academy Residential Mechanical Ventilation Installation training program. Please have someone contact me to discuss.**

For more information concerning this course contact:  
HRAI SkillTech Academy 1-800-267-2231 Ext 230