

# ASHRAE Learning Institute

## 2013 Spring Online Course Series

### 2 WAYS TO REGISTER

**Internet:** [www.ashrae.org/onlinecourses](http://www.ashrae.org/onlinecourses)

**Phone:** Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

**Note:** You may register up to 24 hours prior to an online course. Courses are in US Eastern Standard Time.

#### **Basics of High-Performance Building Design**

Mon, March 18, 2013 – 1:00 pm to 4:00 pm ET

#### **Air-to-Air Energy Recovery Fundamentals**

Wed, March 20, 2013 – 1:00 pm to 4:00 pm ET

#### **Advanced High-Performance Buildings Design**

Mon, March 25, 2013 – 1:00 pm to 4:00 pm ET

#### **Air-to-Air Energy Recovery Applications: Best Practices**

Wed, March 27, 2013 – 1:00 pm to 4:00 pm ET

#### **Complying with Standard 90.1-2010: Envelope/Lighting**

Wed, April 17, 2013 – 1:00 pm to 4:00 pm ET

#### **Humidity Control Troubleshooting**

Mon, April 22, 2013 – 1:00 pm to 4:00 pm ET

#### **Combined Heat & Power: Creating Efficiency Through Design & Operations**

Wed, April 24, 2013 – 1:00 pm to 4:00 pm ET

#### **Complying with Standard 90.1-2010: HVAC/Mechanical**

Mon, April 29, 2012 – 1:00 pm to 4:00 pm ET

#### **The Commissioning Process & Guideline 0**

Wed, May 1, 2013 – 1:00 pm to 4:00 pm ET

#### **Fundamental Requirements of Standard 62.1-2010**

Wed, April 17, 2013 – 1:00 pm to 4:00 pm ET

\* Take 3 or more courses and save 20% off registration!

## **HVAC Design Training**

**2 Courses, 5 Days of Intense Instruction**

**March 18-22, 2013 • June 3-7, 2013 • August 12-16, 2013**

### **HVAC Design: Level I - Essentials**

This training provides intensive, practical education for designers and others involved in delivery of HVAC services. Gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

### **HVAC Design: Level II - Applications**

Developed by industry-leading professionals, the training course provides participants with advanced level information about designing, installing and maintaining HVAC systems that can be put to immediate use. Participants will gain an in-depth look into Standards 55, 62.1, 90.1, and 189.1 and the Advanced Energy Design Guides, as well as a range of other HVAC topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

#### **Creating Effective, Highly Skilled Engineering Team Members**

- Gain knowledge to make immediate contributions to design projects
- Participate in in-depth, practice-focused training
- Learn from industry leaders selected by ASHRAE
- Receive free bonus resources valued at over \$200

Visit [www.ashrae.org/hvacdesign](http://www.ashrae.org/hvacdesign) to register