

# ASHRAE Learning Institute

## 2014 Fall Online Course Series

### 2 WAYS TO REGISTER

Take 3 or more courses and save 15% off registration!

**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 Time.

#### **High-Performance Building Design: Applications and Future Trends**

Mon, September 8, 2014 – 1:00 pm to 4:00 pm EDT

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

Wed, September 10, 2014 – 1:00 pm to 4:00 pm EDT

#### **Evaluation Methods for High-Performance Green Buildings**

Mon, September 22, 2014 – 1:00 pm to 4:00 pm EDT

#### **Fundamental Requirements of Standard 62.1-2013**

Wed, September 24, 2014 – 1:00 pm to 4:00 pm EDT

#### **NEW! Building Demand Response & the Coming Smart Grid**

Mon, September 29, 2014 – 1:00 pm to 4:00 pm EDT

#### **District Cooling & Heating Systems: Central Plants**

Mon, October 6, 2014 – 1:00 pm to 4:00 pm EDT

#### **Maximizing Customer Benefits Using Key Electric Utility Products**

Mon, October 13, 2014 – 1:00 pm to 4:00 pm EDT

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

Mon, October 20, 2014 – 1:00 pm to 4:00 pm EDT

#### **Design of Commercial Ground Source Heat Pumps**

Wed, October 22, 2014 – 1:00 pm to 4:00 pm EDT

#### **Energy Efficiency in Data Centers**

Mon, November 3, 2014 – 1:00 pm to 4:00 pm EST

#### **Commissioning for High-Performance Buildings**

Wed, November 5, 2014 – 1:00 pm to 4:00 pm EST

#### **Exceeding Standard 90.1-2013 to Meet LEED® Requirements**

Wed, November 12, 2014 – 1:00 pm to 4:00 pm EST

**The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits.**

#### **Complying with Standard 90.1-2013**

Part 1 - Mon, September 15, 2014 – 1:00 pm to 4:00 pm EDT

Part 2 - Wed, September 17, 2014 – 1:00 pm to 4:00 pm EDT

#### **Healthcare Facilities: Best Practices for Design & Applications**

Part 1 - Wed, October 8, 2014 – 1:00 pm to 4:00 pm EDT

Part 2 - Wed, October 15, 2014 – 1:00 pm to 4:00 pm EDT

## **HVAC Design Training**

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

**November 2014 – Atlanta, GA**

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

ASHRAE's *HVAC Design: Level I - Essentials* provides intensive, practical training for HVAC 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**

ASHRAE's *HVAC Design: Level II – Applications* provides advanced instruction on HVAC system design for experienced HVAC designers and those who complete the *HVAC Design: Level I – Essentials* training. In two days, gain an in-depth look into *Standards 55, 62.1, 90.1, and 189.1* and the *Advanced Energy Design Guides*. Training will focus on a range of topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

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

# ASHRAE Certification Programs

## BEMP Practice Exam Now Available

ASHRAE has launched a practice exam for the Building Energy Modeling Professional (BEMP) certification. The practice exam is designed to be similar in content and difficulty to the actual certification exam. It is a low-cost, online tool for limited self-assessment with a score report overview of performance at the end of the exam. Practice exams are already in place for the BEAP, CPMP and HFDP certifications. Practice exams for the HBDP and OPMP certifications are under development and should be launched later this year.

Visit [www.ashrae.org/BEMP](http://www.ashrae.org/BEMP) to learn more about the BEMP practice exam.

Visit [www.ashrae.org/certification](http://www.ashrae.org/certification) to learn more about ASHRAE certifications.

## New Publications from ASHRAE

ASHRAE, a leader in building information technology, develops publications that impact every facet of the environment, both indoors and out.

### Data Center Design and Operation – ASHRAE Datacom Series CD 4<sup>th</sup> Ed.



This CD-ROM presents the full text of all eleven ASHRAE Datacom Series publications and Standard 127-2012 in fully searchable and printable PDF format. Authored by ASHRAE Technical Committee 9.9, the Datacom Series provides comprehensive treatment of data center cooling, energy efficiency, and related subjects.

\$289 (\$246 ASHRAE Member) / CD / 2014

### ASHRAE Reference Offers Design Guidance on Healthcare HVAC Systems



The second edition of *HVAC Design Manual for Hospitals and Clinics* provides in-depth design recommendations based on best practices from consulting and hospital engineers, with a focus on presenting what's different about healthcare HVAC systems.

\$129 (\$109 ASHRAE Member) / 312 pages / 2013

Visit [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore) to learn more about these and other outstanding ASHRAE publications!