

# High Performance Building Design –An Integrated Approach



A ONE DAY SEMINAR SPONSORED BY

*The National Capital Chapter of ASHRAE*



**Thursday, August 13, 2009  
8:00 AM**

At

**The Marriott at Metro Center**

775 12<sup>th</sup> Street, NW  
Washington, DC 20005  
Tel: 202 737-2200

For more information and registration, visit [www.nccashrae.org](http://www.nccashrae.org)  
Contact: Dunstan Macauley at 301.949.5900  
Or Stephanie Mages at 202.785.5800

Immediately following the technical program will be a special presentation on

***Rebuilding of the Pentagon  
(The Phoenix Project)***  
By Allyn Kilsheimer

## OBJECTIVE

This seminars will focus on some of the basic principles related to the design and construction of High Performance Buildings.

## WHO SHOULD ATTEND

Architects, Engineers, Building Owners, Code Officials, Building Managers, Contractors, Equipment Manufacturers, Students, and other parties involved with construction, renovation, and operation of facilities.

Time	Track 1	Track 2
08:15 AM - 09:45 AM	ASHRAE 90.1 – 2010 Implementation <i>Dick Lord</i>	Integrating Smart Building and Smart Grids <i>Lawrence Jones</i>
10:00 AM - 11:30 AM	Green Buildings, LEED, & ASHRAE Standard 189.1P <i>Tom Lawrence</i>	Introduction to ASHRAE's New IAQ Guide <i>Andy Persily</i>
11:45 PM - 12:45 PM	LUNCH	
01:00 PM - 02:30 PM	Getting to "Net-Zero" Energy Buildings <i>Dru Crawley</i>	IAQ Guidelines and HVAC Systems Commissioning <i>Eli Howard</i>
02:45 PM - 04:15 PM	Calculating Carbon <i>Greg Mella</i>	Daylighting – "An Engineering Perspective" <i>Michael Babcock</i>
04:15 PM - 05:00 PM	Social Hour	
05:00 PM - 06:30 PM	Rebuilding the Pentagon – The Phoenix Project (Free Session) <i>Allyn Kilsheimer</i>	

## Event Sponsors

Platinum



Gold



AIA/CES Learning Units (LU's) will be available for selected courses.