



American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

Dayton Chapter  
PO Box 3202 Dayton, OH 45401  
<http://www.daytonashrae.org>

# Young Engineers in ASHRAE

## *A Special Meeting for those 35 and under!*

### Variable Refrigerant Flow Technology

11:30 Lunch

12:00—12:45 Program

**FREE** for members and prospective members **35 and under**

All others \$20 at the door

## September 12, 2011

Engineer's Club of Dayton  
110 East Monument Avenue

**Matt Rash** is a Mitsubishi City Multi-Applications engineer. Matt has been with Mitsubishi since April of 2010. Matt comes primarily from a consulting background in the architectural and engineering community where he worked for 7 years as a mechanical Engineer responsible for designing HVAC systems for commercial, healthcare and institutional facilities. Matt also has experience performing energy analysis comparisons for buildings systems as they relate to ASHRAE 90.1 baseline models. For 2.5 years prior to arriving at Mitsubishi, Matt worked for Trane in the performance contracting turnkey group. He has experience with auditing facilities for energy savings improvement measures relating to HVAC, designing retrofit upgrades, and then quantifying energy savings and utility rebate incentives relating to these types of projects. Matt has a broad and in-depth knowledge of the HVAC field and is very excited about applying this experience to help others utilize the full benefits of the growing variable refrigerant flow technology.

**RSVP: By Thursday, September 8, 2011, 12 noon to  
Jeremy Fauber at [JPFauber@heapy.com](mailto:JPFauber@heapy.com) or 224-0861**

### **COMING EVENTS:**

- ◆ **Dayton ASHRAE BOG Meeting — September 15, 2011  
8 AM Heapy Engineering**
- ◆ **October Meeting: Monday, October 10, 5:30 PM at the  
Engineer's Club**

# ASHRAE

## 2011-2012 OFFICERS

### President

Steven N. Meier 573-3072  
Wat-Kem Mechanical  
[smeier@watkem.com](mailto:smeier@watkem.com)

### President-Elect

Jason Gillespie 313-8843  
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### Treasurer

Matt Herbert 224-0861  
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[mherbert@heapy.com](mailto:mherbert@heapy.com)

### Secretary

Kyle Kurtz 264-4343  
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[Kyle.kurtz@trane.com](mailto:Kyle.kurtz@trane.com)

### Past President

Rick Pavlak 224-0861  
Heapy Engineering  
[rpavlak@heapy.com](mailto:rpavlak@heapy.com)

### Committee Chairs

#### Membership

Greg Cohron 513-673-6664  
Ramsay-Cohron  
[gcohron@rcme.com](mailto:gcohron@rcme.com)

#### History

Tom Ferdelman 224-0861  
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#### Newsletter Editor

Lorraine Kapka 512-4501  
Sinclair Community College  
[Lorraine.kapka@sinclair.edu](mailto:Lorraine.kapka@sinclair.edu)

#### Research Promotion

Dennis Lammlein 859-6323x147  
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[dlammlein@woh.rr.com](mailto:dlammlein@woh.rr.com)

#### Student Activities

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[Russell.marcks@sinclair.edu](mailto:Russell.marcks@sinclair.edu)

#### CTTC

Jeremy Fauber 224-0861  
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[jpfauber@heapy.com](mailto:jpfauber@heapy.com)

#### Webmaster

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#### Board of Governors

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[Lorraine.Kapka@Sinclair.edu](mailto:Lorraine.Kapka@Sinclair.edu)

## President's Monthly Brief:



I hate to say it but... summer is almost officially gone, with the kids going back to school and everyone finishing up summer projects. No matter how much fun you had, I know you are chomping at the bit to get back to ASHRAE meetings...

This month's YEA lunch meeting is on Variable Refrigerant Flow Systems. I invite anyone interested in VRF to come and I also ask you to encourage your young engineers to come see what ASHRAE is all about. All are welcome, however, only those 35 & under are free. Sorry old timers.

This year we are going to put out an updated roster and we need YOUR help. The Board would like to have all the equipment vendors fill out the equipment sheet on page 11 of the newsletter and send it to the PO Box; just one per company. Also, all members need to go online to ASHRAE.org and make sure your profile is up to date.

If anyone has any projects going that are innovative or unique, Rick Pavlak would like to know! He will help submit your project for a Technology award for our Region. Detroit annually wins in all categories because no one else submits. Let's work together to show off what our area is doing!

Are you interested in meeting more members in ASHRAE? Then we have a great opportunity for you. Frank Mauro is looking for a co-chair for the golf outing this spring. If you are interested please email [famauro@heapy.com](mailto:famauro@heapy.com).

Check out the CRC results and pictures on pages 12 and 13 of the newsletter, followed by other announcements from Society.

Happy Trails,

Steve Meier,  
President, Dayton ASHRAE



Check out

# The Student Zone

on pages 4 and 5!



**Research Promotion Notes:**  
**Dayton ASHRAE Chapter Board Members:**  
**Full Circle Contributions of \$100 for ASHRAE Research are due NOW—make checks out to ASHRAE Research and send to Denny Lammlein (address page 9). We already have \$350 towards our new goal!**



**Inside Sales Engineer (Cincinnati)** Inside Sales Engineering position is an entry level position to support both internal and external customers. Bachelor's Degree in Engineering required. Position will provide technical support and pricing to customers for Habegger represented products. Career path for this particular position would lead to an outside Sales Engineer position calling on contractors, consulting engineers, and owners in local market. Recent college graduate or minimal industry experience acceptable.

**Sales Engineer Focused on Consulting Engineers and Owners (Cincinnati and Dayton Coverage Area)** Position will provide application and design support for Habegger represented products to consulting engineering firms. This position will also actively call on end users to understand their business needs and provide HVAC equipment solutions. Sales activities will include: Lunch and learn presentations, customer training, customer events, and factory trips. Design experience with applied/commercial HVAC products desired.

**Commercial Service Manager (Cincinnati and Dayton Coverage Area)** Provide Technical Support for complete line of Commercial HVAC products and controls including chillers and air handling units. Facilitating resolutions to customer issues including product warranty. Assisting in the development and presentation of formal training programs for customers and internal personnel.

**Please refer inquires to:**

Brian Isaacs at [brianisaacs@habeggercorp.com](mailto:brianisaacs@habeggercorp.com). Phone 513-612-4739.



ASHRAE members interested in presenting programs related to our industry in the public schools. Chaminade – Julianne has already requested speakers for this year. Materials will be provided—just need a couple of hours of your time. Interested? Contact [Lorraine.Kapka@Sinclair.edu](mailto:Lorraine.Kapka@Sinclair.edu)

For Release:

Contact: Jodi Scott  
678-539-1140

Public Relations  
[jscott@ashrae.org](mailto:jscott@ashrae.org)

Aug. 15, 2011



## ASHRAE Assists Students with Tuition through Scholarships

ATLANTA—To help support future generations of engineers, ASHRAE is awarding over \$74,000 in scholarship money for the 2011-2012 school year. “ASHRAE’s scholarship program has a strong history of supporting students,” William Murphy, Ph.D., P.E., chair of the Scholarship Trustees, said. “Many students who are seeking outside help to attend college are already working in the industry part time and are planning their careers around an area of HVAC&R. We hope that this early exposure to the industry will lead to employment opportunities in the field during and after college. These are future ASHRAE members and industry leaders, and ASHRAE is pleased to help them along their way.”

### The 17 recipients of ASHRAE’s scholarship assistance are as follows:

- ◆ Reuben Trane Scholarship: \$10,000 to be awarded over two years, Andrew James, California State Polytechnic University, mechanical engineering.
- ◆ Willis H. Carrier Scholarships: \$10,000 for one year, Kimberly Luebcke, Southern Illinois University-Edwardsville, mechanical engineering; and Daniel Nish, University of Akron, mechanical engineering.
- ◆ Frank M. Coda: \$5,000 for one year, Sze Wong, City University of Hong Kong, mechanical engineering.

### The following awards include one-year \$3,000 scholarships:

- ◆ Duane Hanson Scholarship: Zachary Koehnke, California State Polytechnic University, mechanical engineering.
- ◆ Alwin B. Newton Scholarship: Isaac Lima, University of Central Florida, mechanical engineering.
- ◆ Henry Adams Scholarship: Matthew Reeves, University of South Florida, pre-engineering
- ◆ ASHRAE Region IV/Benny Bootle Scholarship: Steven Wrightenberry, North Carolina State University, aerospace engineering.
- ◆ ASHRAE Region VIII Scholarship: Ashley Neese, University of Oklahoma, aerospace engineering.
- ◆ ASHRAE Memorial Scholarship: Valerie Smith, Kettering University, mechanical engineering.
- ◆ ASHRAE General Scholarships: Tao Yu, University of Cincinnati, mechanical engineering; and *Hannah Jones, Cedarville University, mechanical engineering.*
- ◆ High School Senior Scholarships: Boyd King, Arkansas Technical University, engineering; and Justin Altemus, University of Delaware, engineering. The scholarships were established in 2010 for high school seniors entering their freshman year of college in engineering or engineering technology program.
- ◆ Engineering Technology Scholarships: Addie Farr, Dunwoody College of Technology, heating, air-conditioning systems design; Anthony Stamm, John A. Logan College, HVAC&R and green technology; and Rhone Jadis, DeVry University, electronics engineering technology.

### ASHRAE has created two new undergraduate scholarships to begin awarding for the 2012-13 Society year.

- ◆ Boggarm S. Setty Scholarship, which will award a one-year \$3,000 scholarship to an undergraduate engineering student attending an institution within ASHRAE Region III, which covers Delaware, Maryland, southern New Jersey, Pennsylvania, Virginia and Washington, D.C.
- ◆ David C.J. Peters Scholarship, which will award a one-year \$5,000 scholarship to a third-year student in a four-year undergraduate mechanical engineering program or a fourth-year student in a five-year undergraduate mechanical engineering program at Pennsylvania State University, Virginia Polytechnic Institute and State University or California State University at San Luis Obispo.

Over the course of 20 years ASHRAE has awarded a combined \$1 million to over 200 deserving undergraduate and graduate students. It is ASHRAE’s belief that aiding these future leaders of the heating, ventilation, air-conditioning and refrigeration industry will in turn benefit society as they lead the way in sustainable HVAC&R technology. For more information on ASHRAE scholarships, visit [www.ashrae.org/scholarships](http://www.ashrae.org/scholarships). Applications are now being accepted for the 2012-13 undergraduate, regional and university-specific scholarships. The deadline is Dec. 1, 2011. ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education. ###

# The Student Zone



## Student Chapters Need Speakers

Student chapters at both the University of Dayton and Sinclair Community College are looking for speakers for their 2011-2012 programs. If you have something to share, contact:

[Brad.turnwald@gmail.com](mailto:Brad.turnwald@gmail.com) (UD) or  
[Russell.marcks@sinclair.edu](mailto:Russell.marcks@sinclair.edu) (SCC)

## Students Need Books!

So you just got your new Applications Handbook and are wondering what to do with the old one? Donate it to a current college student—bring it to the next ASHRAE meeting—we'll make sure a deserving student benefits!



**ASHRAE has certified more than 1,000  
HVAC professionals.**

**Are you one of them?**



ASHRAE offers the most prestigious certification program in the industry.

Building Energy Assessment Professional - BEAP  
Building Energy Modeling Professional - BEMP  
Commissioning Process Management Professional - CPMP  
Healthcare Facility Design Professional - HFDP  
High-Performance Building Design Professional - HBDP  
Operations & Performance Management Professional - OPMP

ASHRAE selects experts to write its certification exams, which test understanding of the associated bodies of knowledge. Courses on related topics are offered by ASHRAE to bring you up to date, but are not required.

Names and firms of all certification earners are listed on the ASHRAE website and earners are permitted to use ASHRAE's certification credentials with their names and on company websites.

Earn recognition for your knowledge and expertise. Be ASHRAE Certified.

**Learn more at [www.ashrae.org/certification](http://www.ashrae.org/certification).**



# Dayton ASHRAE Needs You!

Wanted: Individual to work with current Research Promotion Chair (Dennis Lammlein) with the goal of becoming RP Chair in the future.

Qualifications: Willingness to talk to members about contributing to ASHRAE Research.

Wanted: Webmaster for the Dayton ASHRAE Website to take over from Russ Marcks.

Qualifications: Ability to use web authoring software to update and freshen the website and add new, interactive features desired by members.

Each of these positions requires just a few hours a month. Please contact President Steve Meier ([smeier@watkem.com](mailto:smeier@watkem.com)) or any Board Member (see page 2 for directory).



# Employers



## Have a Job to Fill?

Advertise in your Dayton ASHRAE Newsletter and on the Dayton ASHRAE Website.

Insert a business-card size ad for \$20 a month or \$100 a year.

All proceeds to Dayton ASHRAE Scholarship Fund.

Send ad copy to : [Lorraine.Kapka@Sinclair.edu](mailto:Lorraine.Kapka@Sinclair.edu)

# Dayton ASHRAE Members

## Need a Job?

Submit your profile to your Dayton ASHRAE Newsletter.

We'll print it for FREE!

Limited to 250 words plus contact information.

Send ad copy to : [Lorraine.Kapka@Sinclair.edu](mailto:Lorraine.Kapka@Sinclair.edu)

# Volunteers Needed

## Ready to Give Back to YOUR Industry?

Dayton ASHRAE needs members to work on committees.

Contact Steve Meier at:  
[smeier@watkem.com](mailto:smeier@watkem.com)

# 2011-2012 ASHRAE RESEARCH Dayton ASHRAE

## Contribution Form



2010-2011 saw ASHRAE continue its leadership in developing standards and guidance for the design, operation and maintenance of healthy, energy-efficient buildings. The Dayton Chapter again met their goal to raise money for research, setting a new high. Research dollars help fund the science behind the handbooks and standards, making sure that guidance has a solid foundation.

This industry gives all of us our livelihood. ASHRAE's research and educational programs are what keeps our industry and profession on the leading edge and assures its continued existence. Confident that you will recognize the benefits of this investment, I am asking you to help fund future HVAC&R research and development. Together, we can all make a difference!

Amount enclosed: \_\_\_ \$250 \_\_\_ \$150 \_\_\_ \$100 \_\_\_ \$50 \_\_\_ Other (specify) \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone Number: \_\_\_\_\_

Member Number (If known): \_\_\_\_\_

Donation in memory of: \_\_\_\_\_

Do you want to be recognized in the Dayton newsletter as a contributor? (circle) YES NO

Mail completed form with your check, payable to ASHRAE Research to:

Denny Lammlein  
29 Sandelwood Street  
Springboro, OH 45066

# Invest in the Future:

# Support ASHRAE Research!



For Release:  
Contact: Jodi Scott, Public Relations  
678-539-1140  
[jscott@ashrae.org](mailto:jscott@ashrae.org)

August 23, 2011

## Students Dig Deep in Practical Design Knowledge to Win ASHRAE Design Competition

ATLANTA—ASHRAE's 2011 Student Design Competition drilled students on their knowledge of HVAC&R system selection and design as well as integrated building design to encourage practical design. This year's Competition featured a mock design of the Drake Well Museum located in Titusville, Pa., the site where Edwin L. Drake drilled the world's first oil well in 1859 and launched the modern petroleum industry. Among the 20-plus entries from around the world, three were awarded first place in the three categories that the Competition offers.

First place in HVAC System Design is awarded to Holly Brink, Michael Crabb, James Dougherty Jr., Andrew Gilliam and Gina Halbom of the University of Nebraska. Their faculty advisor is Grenville Yuil, Ph.D.

After analyzing three system designs, the team chose a variable air volume system with heat and ground cooled geothermal heat recovery chiller/heater. The higher initial cost of the system is countered by its overall efficiency, low maintenance and federal tax incentives. The final system design outperformed baseline case energy by 33 percent. The team noted that, "sustainability is a difficult achievement when considering the design for museum buildings. For HVAC design, the strict temperature and humidity requirements increase the amount of energy needed for tempering outdoor air. Also, the additional MERV filters that protect air quality increase the ductwork's static pressure and thus increase the amount of fan energy needed for maintaining airflow. It is the team's opinion that the positive aspects of the design outweigh the higher cost. These positive aspects help preserve the history of the nation's oil industry while reducing the museum's impact on the environment."

First place in HVAC System Selection is awarded to Lynn Gualtieri, Evan Oda, Kristin Porter, Navid Saiidnia, Jeffrey Wong and Cameron Young of California Polytechnic State University, San Luis Obispo, Calif. Their faculty advisor is Jesse Maddren. The team chose a water-source variable refrigerant volume (VRV) system, which includes a ground-source water loop, a dedicated outdoor air (DOA) unit and humidifiers, as well as addition of a solar array. The VRV is split into two systems: a constant environmental control system for the collections areas and galleries, and a standard environmental control system for the offices, education center, auditorium and lobby. In each separate system the latent and sensible load were decoupled – the VRV fan coils handle the sensible load while a DOA unit with humidifiers handles the latent load. This setup allows the entire VRV system to control the indoor environment to specified conditions. The advantage of having two systems is the standard environmental control system can be completely shut off during non-occupied hours, which saves energy when compared to running a single large DOA at very low part load.

First place in Integrated Sustainable Building Design is awarded to Te Qi, Zhang Qiqi and Chen Yuanyi of Tianjin University, China. Their advisors are Liu Junjie and Long Zhengwei. The students integrated a ground-source heat pump for space conditioning and domestic hot water; optimized the fenestration (quantity, location and type of windows); added a solar heat storage system with thermal solar collector; changed the building orientation to 5 degrees south to the east for more efficient orientation; and used thermal mass in walls to reduce heating and cooling loads. The team had to build detailed energy simulation models, and they demonstrated they understood synergy and compromise when they noted "as for modeling and simulation research, it is essential to integrate different modeling strategy to evaluate a building performance. Through this process, we find sometimes they contradict each other. However, they sometimes support each other."

The competition recognizes outstanding student design projects, encourages undergraduate students to become involved in the profession, promotes teamwork and allows students to apply their knowledge of practical design.

The first place teams are given 10-15 minutes to present their projects at the 2012 Winter Conference in Chicago, Jan. 21-25.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education. ###



The Official Jobs Board for the American Society of  
Heating, Refrigerating and Air-Conditioning Engineers

Welcome to [ASHRAEJobs.com](http://ASHRAEJobs.com)  
Your source for HVACR Engineering Careers



**ASHRAE jobs**



# Dayton Chapter ASHRAE

<http://www.daytonashrae.org>

## Membership Application and Roster Information 2011 - 2012

\_\_\_\_\_  
Your Name

\_\_\_\_\_  
Home Address

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

(    )                      -                      \_\_\_\_\_  
Home Phone                      Spouse Name

\_\_\_\_\_  
Home e-mail address

\_\_\_\_\_  
Your Company Name

\_\_\_\_\_  
Business Address

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

(    )                      -                      (    )                      -                      \_\_\_\_\_  
Business Phone                      Ext.                      Fax Number

\_\_\_\_\_  
Business e-mail address

SEND NEWSLETTER TO: Home Address Home email address Business Address Business email address

I prefer Lunch Meetings \_\_\_\_\_ I prefer Dinner Meetings \_\_\_\_\_ I have no preference \_\_\_\_\_

Chapter achievements are accomplished through active committee involvement. If you would like to promote your Society by serving as a committee chair or assist on one of the chapter committees, please indicate in which committee you are interested below. Please indicate your first preference by number 1 and so on.

- Education     Membership     Research     Historian     Newsletter     Chapter Office
- CTTC (Refrigeration; Technical, Energy & Government; Programs)     Golf Outing     Communication
- Holiday Party     Honors & Awards

### Please Select Your Preferred Roster Affiliation

Consultant    Contractor    Industry/Government    Retired

Education    Student: School \_\_\_\_\_ Degree \_\_\_\_\_ Approximate Graduation Date \_\_\_\_\_

Wholesalers, Manufacturer's Rep/Sales Offices, Fill in trade names of products you represent below

Air Devices		Louvers and Dampers
Air Handlers		Make-Up Air Units
Boilers		Packaged A/C
Building Automation		Pre-Insulated Pipe
Chillers		Pumps
Coils		Sound Attenuation
Computer Room Equipment		Steam Specialties
Cooling Towers		Air Terminal Units
Ductwork		Thermal Storage
Dust Collection		Unit Heaters
Fans		Unit Ventilators
Fan Coil Units		Vibration Isolators
Filtration		Valves
Heat Exchangers		Variable Speed Drives
Heating Equipment		Water Source Heat Pumps
Humidity Control		Water Treatment
Kitchen, Laboratory Fume Hoods		Other

Dayton Chapter ASHRAE dues for the Society year beginning July 1, 2011 and ending June 30, 2012 are \$95 per year. Dayton Chapter ASHRAE dues include 6 dinner/lunch meetings, and both you and a guest for the holiday event. \* Note: Be sure to begin paying Local dues when you pay your National Dues.

Please return this application and a check or money order in the amount of \$95 made payable to Dayton ASHRAE to:

DAYTON ASHRAE, PO Box 3202, Dayton, OH. 45401

**Paid local dues with your annual dues? Please return the form anyway!**

# CRC Awards



**Greg Cohron, Membership Promotion, first in Region**

**Denny Lammlein, Research Promotion**

**Rick Pavlak, 2010-2011 President**

**Program and award listings on next page.**

## Indianapolis, Indiana August 13, 2011

### SOCIETY AWARDS

Awarded at Society Meetings:  
Las Vegas - January 2011      Montreal - June 2011

#### 2010-2011 SOCIETY TECHNOLOGY AWARD

2ND PLACE- Institutional Bldg ..... Derek Crowe- Detroit

#### 2010-2011 REGION V TECHNOLOGY AWARDS

1ST PLACE - Institutional Bldg ..... Wayne Kerbelis- Detroit  
1ST PLACE - Institutional Bldg ..... Richard Corona - Detroit  
1ST PLACE - Institutional Exist ..... Wayne Kerbelis - Detroit  
1ST PLACE - Healthcare Exist ..... Derek Crowe - Detroit

#### REGION V OUT GOING REGIONAL OFFICERS

Fred Befz ..... ARC  
Jim Wilson ..... Nominating  
AJ Wilkerson ..... CRC General Chair

#### REGIONAL AWARD OF MERIT (none)

#### CHAPTER SERVICE AWARD

Matt Nelson ..... Cleveland  
Rob Laneve ..... Cleveland

#### PRESIDENTIAL AWARD OF EXCELLENCE

AKRON/CANTON - Ryan Kopko ..... PAOE  
CENTRAL INDIANA - Kevin Schulte ..... HONOR ROLL  
CINCINNATI - Peter Skelly ..... PAOE  
CLEVELAND - William Kodosky ..... HONOR ROLL /  
SPECIAL CITATION  
COLUMBUS - Phil Stafa ..... PAOE  
DAYTON - Richard Pavlak ..... HIGH HONOR ROLL /  
STAR / SPECIAL CITATION  
DETROIT - Wei Sun ..... HONOR ROLL / STAR  
SPECIAL CITATION  
NORTHERN INDIANA - Joe Bowers ..... PAOE  
WESTERN MICHIGAN - William Rose ..... HONOR ROLL

#### PAOE SUSTAINABILITY AWARD

CLEVELAND - William Kodosky ..... PLAQUE and CERTIFICATE

#### HIGHEST PAOE POINTS IN REGION V

PAOE CATEGORY	First in Region	Second in Region
Ch Operations	Detroit	Cleveland
CTTC	Cleveland	Detroit
History	Cleveland	Cincinnati
MP	Dayton	Detroit
RP	Akron/Canton	Northern Indiana
SA	Detroit	Western Michigan
OVERALL PAOE POINTS TOTAL -	Detroit	Dayton

#### REGION V - ACHIEVEMENT AWARDS

HISTORY - SOCIETY HISTORY GOLD RIBBON AWARD  
(none)

#### MEMBERSHIP PROMOTION

Blue Ribbon ..... Gregory Cochran - Dayton  
Red Ribbon ..... Roxanne Scott - Detroit  
Green Ribbon ..... Christopher Hawk - Central Indiana

#### PROGRAMS

TOP DOG ..... Waller Clemens - Evansville

#### RESEARCH PROMOTION

**Akron/ Canton** James Sloven, Runner-Up (% Challenge Goal), Full Circle, Goal, High Five, Challenge  
**Central Indiana** Steven Keilenbrink, Full Circle, Bronze Ribbon  
**Cincinnati** Kevin Goetz, Silver Ribbon, Goal  
**Cleveland** Kris Haycock, Full Circle, Bronze Ribbon  
**Columbus** Warner Long, Full Circle  
**Dayton** Dennis Lammlein, Full Circle, Bronze Ribbon, High Five, Goal  
**Detroit** Andrew Yonka, Full Circle, Bronze Ribbon  
**Evansville** Andrew Harpenan, Runner-Up (% Goal), Goal  
**North. Indiana** Joe Kuroz, Goal, High Five, Challenge  
**West. Michigan** Dan Rademacher, Full Circle, Silver Ribbon

BIB Award 2011 CRC



## REGION V

# Honors & Awards

2011  
Chapters Regional  
Conference

# ASHRAE Learning Institute

## 2011 Fall 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 seminar. Courses are in US Eastern Standard Time.



#### Basics of High-Performance Building Design

Mon, September 19, 2011 – 1:00 pm to 4:00 pm EST

#### Advanced High-Performance Building Design

Wed, September 21, 2011 – 1:00 pm to 4:00 pm EST

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

Mon, September 26, 2011 – 1:00 pm to 4:00 pm EST

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

Thurs, September 29, 2011 – 1:00 pm to 4:00 pm EST

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

Mon, October 3, 2011 – 1:00 pm to 4:00 pm EST

#### Healthcare Facilities: Best Practice Design

Mon, October 31, 2011 – 1:00 pm to 4:00 pm EST

#### Healthcare Facilities: Best Practice Application

Wed, November 2, 2011 – 1:00 pm to 4:00 pm EST

#### Evaluating the Performance of LEED-Certified Buildings

Mon, November 7, 2011 – 1:00 pm to 4:00 pm EST

#### Project Management for Improved IAQ <sup>NEW</sup>

Wed, November 9, 2011 – 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. Archiving is available.**

#### Data Center Energy Efficiency – Part 1

Mon, October 10, 2011 – 1:00 pm to 4:00 pm EST

#### Data Center Energy Efficiency – Part 2

Wed, October 12, 2011 – 1:00 pm to 4:00 pm EST

#### Using Standard 90.1 to Meet LEED Requirements – Part 1

Mon, October 17, 2011 – 1:00 pm to 4:00 pm EST

#### Using Standard 90.1 to Meet LEED Requirements – Part 2

Wed, October 19, 2011 – 1:00 pm to 4:00 pm EST

#### Implementing Standard 189.1 for High-Performance Green Buildings – Part 1

Mon, October 24, 2011 – 1:00 pm to 4:00 pm EST

#### Implementing Standard 189.1 for High-Performance Green Buildings – Part 2

Wed, October 26, 2011 – 1:00 pm to 4:00 pm EST



## ASHRAE HVAC Design Essential Workshop

January 11-13, 2012 • ASHRAE Foundation Learning Center • Atlanta, GA

### Obtain the skills needed to:

- Improve overall building performance
- Design high-performance HVAC systems
- Effectively collaborate on an integrated design team

ASHRAE has created the HVAC Design Essentials to provide intensive, practical education for designers and others involved in delivery of HVAC services. Developed by industry-leading professionals, this workshop provides participants with training design to accelerate their evolution into effective member on a design, construction or facilities maintenance team.

In addition to gaining in-depth knowledge and understanding, attendees will receive real-world examples of HVAC systems based on the newly renovated ASHRAE Headquarters building. The workshop teaches a systematic approach to guide a design team to a solution that optimally meets the client's expectations.

### Who Should Attend

- Engineers new to the HVAC industry
- Facilities managers involved in new construction or major renovation projects
- Technicians who would like to gain design knowledge
- Architects who want to understand HVAC design
- Construction project managers involved with mechanical systems



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

### ASHRAE Certification Programs

- Building Energy Assessment Professional (BEAP)
- Building Energy Modeling Professional (BEMP)
- Commissioning Process Management Professional (CPMP)
- Healthcare Facility Design Professional (HFDP)
- High-Performance Building Design Professional (HBDP)
- Operations & Performance Management Professional (OPMP)

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**ASHRAE Certification** — all six certification programs are being offered: Building Energy Assessment Professional; Building Energy Modeling Professional; Commissioning Process Management Professional; High-Performance Building Design Professional; Healthcare Facility Design Professional; and Operations and Performance Management Professional.

**ASHRAE Learning Institute** — five Professional Development Seminars and 14 Short Courses are offered, including a new course on the basics of combined heating and power systems and updates to courses covering Standards 62.1 and 90.1 reflect changes in the 2010 versions of these standards.

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