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Dayton Chapter

PO Box 3202 Dayton, OH 45401

<http://www.daytonashrae.org>

ENERGY AND BUILDING PRODUCTS SHOW

Sinclair Community College, Ponitz Center (Building 12)

Tuesday, October 20, 2009

3:00 — 8:00 pm

Admission: Free (fee for parking)

Parking under Building 12th off 4th Street, corner of 4th and Perry—
\$2 parking passes available at registration desk for those who RSVP
by Thursday, October 15th



Back by Popular Demand!

THOMAS E. WERKEMA, JR.

2009-12 ASHRAE Director-at-Large

Climate Change—What Are They Thinking?

Impacts and Carbon Counting

6:30 pm — Smith Auditorium

1 PDH Earned

3:30 ANSI/ASHRAE/IESNA STD 90.1

Bob Thomson, Tri-Tech Inc. *1 PDH Earned*

3:30 AMCA 260-07 and VAV Laboratory Exhaust

Clint Schwartz, Controlled Air

5:00 Demonstration of Revit MEP for Modern HVAC Design

Mark Wiley, Sinclair Community College *1 PDH Earned*

**5:00 An Induction Diffuser that Compliments the Installation of
Active Chilled Beams**

Vladimir Petrovic, DADANCO LLC

Light Refreshments Provided

RSVP: By Thursday, October 15, 2009, 12 noon
Jeremy Fauber at JPFauber@heapy.com or 224-0861.

Don't miss out—make reservations now!



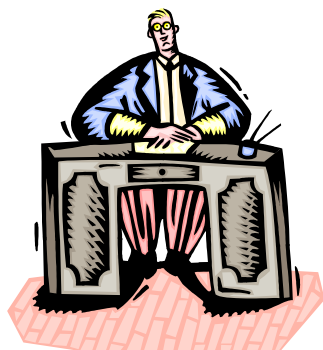
ASHRAE 2010 Winter Conference



January 23-27, 2010

Orlando, FL

Presidential Ponderings



Our September meeting brought some new young faces to Dayton ASHRAE and I want to thank the support of the community for this event. The future growth of the local HVAC industry is dependent on having enthusiastic young members able to move the industry forward.

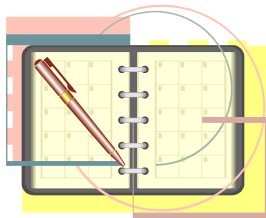
The UD student chapter that was formed last year had their first meeting of the year on Thursday October 1st. I was impressed by the great attendance and interest at the University of Dayton. I would like to extend my thanks and appreciation to Russ Marcks, our Student Activities chair, Kelly Kissock, the UD student chapter advisor, and Fiona Martin, the UD student chapter president for all the time and effort they have put in over the last year to bring this to fruition. Dayton ASHRAE looks forward to many future successful graduates and ASHRAE members to come out of both the University of Dayton and Sinclair Community College student chapters.

Our October meeting is just around the corner and will be a very fun and informative event. Not only is it our student night, but it is also a mini-product exposition, the first in 5 years for our chapter. Come and learn about the new products that are available in our industry. Aside from the product show we will have our distinguished lecturer, Tom Werkema speaking on climate change and carbon counting and other technical and product programs. This will be a very special event available to the public at no charge, so please invite coworkers and clients who can benefit from this program and encourage them to attend.

Jeremy Fauber, PE, LEED AP

Upcoming Board Meetings:

Meetings are held at 8 AM on the third Thursday of the month at Heapy Engineering. Bill's Donuts and fresh coffee are always available. Next meetings:



October 15, 2009
November 18, 2009
December 17, 2009
January 21, 2010

Mini-ASHRAE Show Coming October 20th!

Coming Events 2009/2010

September 14, 2009—Lunch—Young Engineers in ASHRAE - Primary-Secondary/ Variable primary chilled water control sequence.

October 20, 2009—Mini-ASHRAE Show and program, Sinclair Community College—Student night. Featured speaker: Tom Werkema, Science of Carbon Counting.

November 9, 2009—Dinner—Research Promotion Donor Recognition Night, Membership Promotion Night—Dessicant dehumidification for Operating Room applications

December 14, 2009—Lunch—Facility Insulation

January ___ Social Event

January 23-27, 2010—ASHRAE Winter Meeting, Orlando, FL

February 8, 2010—Lunch— Central Geothermal Systems

March 8, 2010— Tour TBD

April 12, 2010— TBD

April 21, 2010—ASHRAE Webcast

May—Golf Outing

June—Green Expo

June 20-24, 2010—ASHRAE Annual Meeting, Albuquerque, NM

July—Chapters Regional Conference—Cincinnati



Education News:

The University of Dayton held its first Student ASHRAE meeting on October 1st. The president is graduate student Fiona Martin, with and the advisor is Dr. Kelly Kissock. Dayton Chapter President Jeremy Fauber and Membership Promotion chair Gordon Schweitzer were also present. The group plans to meet monthly, focusing on different energy topics. The next meeting is Wednesday, October 14th, 6 PM. Contact Fiona Martin, fiona.m.martin@gmail.com.



Research Promotion News

Dayton has done it again! We have already achieved "Full Circle", which means the officers and board of directors have each contributed at least \$100 to ASHRAE Research. Now it's your turn. November brings us Membership Promotion month. How about a stepping up with an early contribution to get our campaign off right? We need to raise over \$10,000 this year—how about a goal of \$1000 in November to get us started?

Donor recognition, page 5.

Contribution form page 6.





DAYTON ASHRAE

FREE!!

ENERGY AND BUILDING PRODUCTS SHOW

Sinclair Community College, Ponitz Center (Building 12)
Tuesday, October 20, 2009
3:00 — 8:00 pm

Keynote Address: **Climate Change—What Are They Thinking?**
Impacts and Carbon Counting
6:30 pm — Smith Auditorium
1 PDH Earned



THOMAS E. WERKEMA, JR.
2009-12, Director-at-Large
American Society of Heating, Refrigerating

CONCURRENT TECHNICAL SESSIONS

TIME	SPEAKER	TOPIC	ROOM
3:30	Bob Thomson Tri-Tech Inc.	ANSI/ASHRAE/IESNA STD 90.1 <i>1 PDH Earned</i>	164
	Clint Schwartz Controlled Air	AMCA 260-07 and VAV Laboratory Exhaust	165
5:00	Mark Wiley Sinclair CC	Demonstration of Revit MEP for Modern HVAC Design <i>1 PDH Earned</i>	164
	Vladimir Petrovic DADANCO LLC	An Induction Diffuser that Compliments the Installation of Active Chilled Beams	165

Parking under Sinclair Ponitz Center (Building 12)
\$2.00 parking passes on sale at registration.

FREE!!

Light refreshments will be provided



Jeremy P. Fauber
President, Dayton ASHRAE
Dear Mr. Fauber,

August 18, 2009

I am writing to ASHRAE chapter presidents to report on a successful launch for ASHRAE Jobs (<http://www.ashraejobs.com/>) and to ask that you consider linking to this ASHRAE service from your chapter website. I am Greg Martin and am responsible for HVAC&R corporate services available on the ASHRAE website.

On June 15th, ASHRAE launched its full services Career Center for ASHRAE members and HVAC hiring authorities. The reception has been magnificent as the number of job seekers, resumes, and employer job postings have risen each week. We are very pleased. The Career Center is user friendly. The products and services match that of traditional big box boards such as Monster.com, yet the information and postings are specific to the ASHRAE Community. Job seekers have a shorter and more pleasurable search experience, and employers have immediate access to a pre-filtered pool of talent. One unique feature is that Center highlights ASHRAE members. The online job application form requires an applicant to identify themselves by membership status. So does the resume posting form. And, employers can sort applications and resumes by their status. to the ASHRAE Jobs Career Center. You will find attached an e-copy of the logo to use on your homepage. We would also appreciate an announcement through your eNewsletter, blogs, etc.

If you have questions, I (gmartin@ashrae.org) or John von Harz (Services Manager at jvonharz@mepjobs.com) will be pleased to answer them.

Thank you, Greg



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

ASHRAEjobs

Welcome to ASHRAEJobs.com
Your source for HVACR Engineering Careers



Research Promotion Honor Roll 2008-2009

Corporations

PLATINUM

Emerson Climate Technologies

GOLD

Waibel Energy Systems

Ramsay Cohron Mechanical Equipment

SILVER

Heapy Engineering

Uptime Solutions Associates

BRONZE

Allied Supply

Contech Design

Helmig Liensch LLC

Weber Huff

Individuals

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James Davidson Joseph S. Ferdelman

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Robert Hartley

DAYTON ASHRAE



2009-2010 ASHRAE RESEARCH Dayton ASHRAE

Contribution Form

Last year was a good year for the Dayton Chapter, but we can't let down now! With so much work to do to reach ambitious energy consumption reduction goals, more research is needed than ever before! You can help make the difference!

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.

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

Name: _____

Address: _____

Phone Number: _____

Member Number (If known): _____

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





ASHRAE Inside

Building Sustainability from the Inside Out

Orlando, FL

2010 Winter Conference

January 23 - 27

ASHRAE's 2010 Winter Conference January 23-27, 2010 Rosen Shingle Creek Orlando, Florida

"It's not the heat, it's the humidity," is often used to explain the less-than-comfortable temperatures in tropical Florida. While the water-saturated air is perfect for hibiscus and alligators, humans have had to find their own ways to deal with the Sunshine State's humid conditions. What better place to discuss this year's conference theme: Building Sustainability from the Inside Out. Whenever the temperatures outside are too hot or humid to handle, ASHRAE ensures that indoor environments are comfortable and, most important, sustainable.

<http://www.ashrae.org/events/page/2478>



For Release:
October 1, 2009
678-539-1216

Contact: Jodi Dunlop
Public Relations
jdunlop@ashrae.org

Proposed High-Performance Building Standard 189.1 Draws Nearer to Publication Date

ATLANTA – The total building sustainability package, addressing everything from design and commissioning to plans for high-performance operation, is covered in a proposed green building standard currently open for public review. Proposed Standard 189.1, *Standard for the Design of High Performance, Green Buildings Except Low-Rise Residential Buildings*, is being developed by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) in conjunction with the Illuminating Engineering Society (IES) and the U.S. Green Building Council (USGBC). The standard is slated to be the first code-intended commercial green building standard in the United States. It is expected to be published in early 2010.

“This is one of the most highly-anticipated building standards ever released,” ASHRAE President Gordon Holness, said. “ASHRAE’s commitment to excellence and transparency in true consensus standards development is reflected in the quality of and interest in Standard 189.1.”

The proposed standard is currently open for a fourth public review. It is an “independent substantive change” review so only changes from the third public review, which ended in June 2009, are open for comment. The public comment period started Sept. 18 and remains open until Nov. 2, 2009.

“IES is pleased to co-sponsor this standard for high-performance green buildings and supports the goal shared with ASHRAE and USGBC of environmental responsibility toward current needs as well as those of future generations,” Rita M. Harrold, IES director of technology, said. “The key to a prosperous future is cost-efficient and energy-saving green buildings and is imperative as we move forward,” Scot Horst, senior vice president of LEED, USGBC, said. “Standard 189.1 will help increase adoption of green building practices, leading to a prosperous and sustainable future for our nation.”

“The standard, once published, provides a ‘total building sustainability package’ for those who strive to design, build and operate green buildings,” Kent Peterson, chair of the committee writing the standard, said. “From site location to energy use to recycling, this standard will set the foundation for green buildings through its adoption into local codes. The dedication of those tasked with writing the standard has been unwavering. There are no short cuts to creating a quality, comprehensive green building standard that reflects input from all corners of the building community.”

Among the biggest proposed changes is in the exterior light pollution section, including elimination of the Total Site Lumen approach. The draft of the standard that went out for a third public review earlier this year required users to limit exterior lighting according to one of three methods for determining total initial lamp lumens, or light output, for all outdoor lighting. While site lumen limits are being explored in other model lighting pollution efforts, it complicates application and enforcement significantly, according to Nick Ferzacca, vice chair of the committee and IES representative. The current draft maintains the use of Backlight, Uplight and Glare ratings from the IES Luminaire Classification System for Outdoor Luminaires (IESNA TM-15-07). Also, exterior lighting power densities and lighting zone definitions were modified to align with recent ASHRAE 90.1 addenda.

Another proposed change is in the Outdoor Air Delivery Monitoring section. Under the proposal, measurement of outdoor airflow rates at the system level would be required for all spaces ventilated by mechanical systems, except for constant volume systems. The exception allowing CO₂ monitoring as an alternative for systems serving only densely occupied spaces has been removed. Also proposed would be removal of all requirements for outdoor airflow monitoring in naturally ventilated spaces.

The standard development committee will meet again to review comments received during this “independent substantive change” public review during the USGBC GreenBuild conference in November.

To view a copy of the public review draft, go to www.ashrae.org/publicreviews. Copies of public review drafts are only available during public review periods.



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

Welcome to ASHRAEJobs.com
Your source for HVACR Engineering Careers





Dayton Chapter ASHRAE

<http://www.daytonashrae.org>

Membership Application and Roster Information 2009-2010

Your Name

Your Company Name

Home Address

Business Address

City State Zip

City State Zip

() - _____
Home Phone

Spouse Name

() - _____
Business Phone Ext. Fax Number

Home e-mail address

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
 CTT (Refrigeration; Technical, Energy & Government; Programs) Golf Outing Communication
 Holiday Party Honors & Awards

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

*Dayton Chapter ASHRAE dues for the Society year beginning July 1, 2009 and ending June 30, 2010 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!