



ASHRAE

2009-2010 OFFICERS

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Board of Governors

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

ASHRAE Annual Meeting
Albuquerque, NM June 26-30, 2010
Join ASHRAE as we move onward and
upward to improve energy use around
the world.

REGION V DINNER
MONDAY EVENING, JUNE 28, 2010, 6 PM
See details on page 8!

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Mark Your Calendars:

5th Annual Dayton Green Expo
A Focus on Sustainability
August 5, 2010

PDH Hours Available!

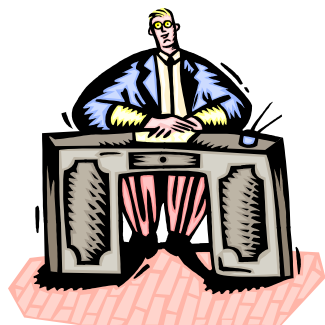
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Next Board of Governors Meeting:
June 17, 2010 at 8 AM at Heapy Engineering
All are Welcome and Encouraged to Attend!

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Support our Troops!
Blue Star Mothers Golf Outing—page 9!



**Raising Efficiency
to New Levels**





Presidential Ponderings

As the Dayton ASHRAE year finishes I want to take the time to thank the board and committee chairmen for their hard work and dedication over the past year. We have had an exciting year for the board of governors by welcoming two young members to

the group, Steven Meier and Jason Gillespie, Along with Gordon Schweitzer being added for next year, the chapter has recruited three young future leaders. Mike Kirchens has continued to do an excellent job arranging programs for the local chapter, including the joint meeting with the IFMA chapter. I thank Lorraine Kapka for her service on the board and for continuing as newsletter editor. Lorraine works diligently every month to make sure our members are informed about local opportunities. I thank Russ Marcks and Kelly Kissock for working hard with the student chapters and making those a successful part of the local chapter. I thank Tom Ferdelman, Frank Mauro and Greg Cohron for their continued support and the guidance they offer to the chapter. I thank Denny Lammlein for his dedication to ASHRAE research and for meeting our research goal for the second year in a row. And thanks to Steve Fraley for planning a most successful golf outing; we raised money for ASHRAE Research and the Dayton ASHRAE Scholarship fund and had a great day of golf, too. I look forward to Rick Pavlak's leadership next year; we have begun planning the programs for next year. I also want to thank the chapter at large for the past year. I am grateful for the opportunity to serve the Dayton community by being the President, and I thank you for all the support you have given me the last several years. Enjoy the summer and we will see you next year. Jeremy Fauber, PE

**Come to the next BOG meeting
6/17/2010!**



Can't get to Albuquerque this year? Sign up for the "Virtual" Conference—

Access 250+ presentations (synced audio and PowerPoint presentations) for one year. Only \$299 per ASHRAE member (included in full registration at the Annual meeting). <http://www.ashrae.org/newmexicovirtual>

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 16, 2010 - Gourmet Dinner by Sinclair's Culinary Competition Team

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

February 8, 2010—Lunch— Single Pipe Geothermal Systems with Kirk Messer

March 8, 2010— Dinner—Energy Management in Buildings with Richard Pearson

April 21, 2010—ASHRAE Webcast, 1:00 PM

April 28, 2010—Lunch with IFMA

May 13, 2010—Golf Outing

June 26-30, 2010—ASHRAE Annual Meeting, Albuquerque, New Mexico

June 28, 2010—Region V Dinner, Albuquerque, NM 6:00 PM

August 5, 2010—Dayton Green Expo at Heapy Engineering



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:

June 17, 2010

July 15, 2010

August 19, 2010

Research Promotion News

27 donors gave a total of \$11,895 for ASHRAE

Research this year. There's still time to add your name (or your company's name) to the list! [Donation form page 4!](#)





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

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

Volunteers Needed

Ready to Give Back to YOUR Industry?

Dayton ASHRAE needs members to work on next year's committees.

Contact Rick Pavlak, next year's President at:

RPavlak@Heapy.com



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





Albuquerque, New Mexico



June 26-30, 2010

ASHRAE 2010 Annual Conference

Home to the breathtaking Sandia Mountains and to the world's largest hot air balloon festival, Albuquerque is the perfect place for ASHRAE to set its sights on Raising Efficiency to New Levels.

Join the Society as it builds on efforts to provide technical guidance to increase the efficiency of buildings and systems. From pending publication of the nation's first code-intended standard for green buildings to release of a new version of its energy conservation standard to expansion of the Building Energy Quotient program, the sky is the limit when it comes to energy efficiency.

The 2010 Annual Conference also offers you the opportunity to help take your career to the next level through a variety of educational courses and the technical program, which focuses on a wide-range of programs and papers addressing the energy efficient system design for high elevations and dry climates.

Join ASHRAE as we move onward and upward to improve energy use around the world.

Technical Program

With a focus on energy efficiency system design for high elevations and dry climates, this year's Annual Conference features more market-based papers and programs than in previous technology-driven ASHRAE conferences. In addition, the conference includes traditional full-length Technical Papers as well as a new Conference Paper format. Preliminary program submissions include energy efficient design and operation of data centers, central chilled water plant innovations, and latest research on refrigeration system and components and design applications for sustainable buildings.

The technical program is organized along the following tracks:

- **Track 1 What Is Sustainable Anyway?**
- **Track 2 Energy Facts and Simulation**
- **Track 3 Ventilation Systems**
- **Track 4 Refrigeration for the Future**
- **Track 5 Central Plant Systems**
- **Track 6 BIM/CAD/Paper and Pencils**
- **Track 7 Energy Conservation vs. New Generation**
- **Track 8 Living with HVAC&R Systems**
- **Track 9 High Efficiency HVAC Systems**
- **Track 10 Professional Skills**
- **Track 11 Data Center and High Density Cooling**



For Release: June 1, 2010
Contact: Public Relations
678-539-1140 Jodi Scott

jscott@ashrae.org

Protocols for Performance Measurement Offered by Leading Building Groups

ATLANTA – It's long been realized in the building industry that you can't manage what you don't measure when it comes to building performance. But even if you measure, what ensures that those measurements are appropriate and meaningful?

"Although many buildings claim to be green or high performance, it's rare that evidence or data is presented to verify these claims," said Jeff Haberl. "If claims of high performance are to be credible, it is essential that a common set of measurements be used and that the results be reported against meaningful and consistent benchmarks. Reliable and reproducible protocols are also needed to give usable feedback to designers and operators when measured performance does not match design intent and expectations."

A new book from three leading building industry associations provides a standardized set of protocols over a range of accuracies and costs that can be applied consistently to the assessment of building performance. Published by ASHRAE and developed in collaboration with the Chartered Institution of Building Services Engineers (CIBSE) and the U.S. Green Building Council (USGBC), *Performance Measurement Protocols for Commercial Buildings* identifies what to measure, how to measure it and how often it is to be measured for inclusion in buildings' operation and maintenance plan.

"In an energy conscious world, those who measure and manage the energy use and performance of their buildings will be at an increasing advantage over business as usual energy managers," Haberl, who chaired the committee that wrote the book, said. Because energy efficiency should not compromise the services provided in the building, the protocols cover indoor environmental quality measures as well as energy and water use.

"The collaboration of CIBSE with ASHRAE and USGBC on this project demonstrates the importance of international engineering collaboration to deliver measurably green buildings, not just green promises," said Hywel Davies, technical director of CIBSE and vice chair of the committee.

Protocols are developed at three levels for each of six performance categories: energy, water, thermal comfort, indoor air quality, lighting and acoustics.

The three specification levels are:

- **basic level**, which outlines simple, low-cost measures that provide an initial insight into performance at the annual, whole-building level
- **intermediate level**, which provides additional data on the building performance, typically at a monthly frequency and major system level
- **advanced level**, which offers a more detailed and comprehensive analysis for those building owners or managers wishing to gain deeper insights into the performance of a building, typically at a daily or weekly frequency at the system or equipment level.

The cost of *Performance Measurement Protocols for Commercial Buildings* is \$89 (\$75 ASHRAE members).

To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400

(worldwide), fax 404-321-5478, or visit www.ashrae.org/bookstore.

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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



ASHRAE jobs



Dayton Chapter ASHRAE

<http://www.daytonashrae.org>

Membership Application and Roster Information 2009-2010

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
- 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		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, 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!



REGION V DINNER ALBUQUERQUE ANNUAL MEETING

MONDAY EVENING, JUNE 28, 2010

ONE UP ELEVATED LOUNGE
301 CENTRAL AVE. NW, ALBUQUERQUE, NM
(0.2 miles from Hyatt Regency Hotel)

The 2010 Annual Meeting Region V Dinner will be on Monday evening June 28 at One Up Elevated Lounge in Albuquerque. Their food is excellent, and they have great floor to ceiling views of the city from their lounge.

Attached is a MENU for our dinner. Social hour will be from 6:00 pm to 7:00 pm with a cash bar available. The dinner will be served about 7:00 pm. We will have a separate area in the restaurant so we anticipate a great opportunity for socializing between our Region Members and guests.

We look forward to seeing all of our "regulars" and hope to have many newcomers also. **Please let me know as soon as you can** that you will be there and which dinner you would prefer (beef/fish). I need to give the restaurant a count on June 21, so please reserve ahead of time instead of signing up on-site. Feel free to call or email me for your reservation. My office phone is (219) 924-8400 and email is lee@rlmrlm.com.

We look forward to seeing you there.
Lee Millies - Region V ARC

Due to problems at past dinners with the handling of individual credit cards, I will like to collect cash or checks for the dinner when you arrive at the restaurant. I will provide receipts for your expense account.

Cost is \$35 per person including tax and gratuity.

MENU

Appetizers

(set out during cocktail time)

Bruschetta

Kobe Sliders

Homemade chips and Chipotle ranch dip

House Salad

Entrées

(choose one)

Sirloin Tornados

(Sirloin medallions pan, seared with mushrooms and a port demi glaze)

Served with vegetable of the day

OR

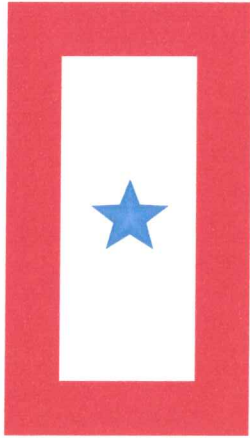
Southwestern Tuna

(6 oz ancho chili rubbed tuna with a chipotle honey glaze)

Topped with black bean salsa and served over sweet potato fries

All Entrées include: Coffee, Iced Tea and or Hot Tea

Basket of Fresh Baked Bread & Butter



BLUE STAR MOTHERS OF AMERICA, Inc.
Miami Valley Chapter #3
Charity Golf Classic

BSMA, Inc. – Miami Valley #3 is a 501© 3 non-profit organization

When: Saturday, June 19th 8:30 AM
Where: Beaver Creek Golf Club
Check-In: 1 Hour Prior
Cost: \$100 / player (golf, cart, lunch, & much more)
Format: (4) person scramble (Men & Women)
Awards: Top Five teams & Last Place

Tournament proceeds will go to the Blue Star Mothers of America, Inc. – Miami Valley Chapter #3 programs listed below. www.bluestarmothersdayton.com

Blue Star Mothers support our troops overseas by sending cards, letters, phone cards and care packages. We support our Veterans at the Dayton VA Medical Center for picnics, bingo and Memorial Day weekend activities. We also provide food and clothing to them and our Veterans within our community. We attend funerals of our fallen Heroes. We also provide food and gift items for children of deployed troops at deployment ceremonies and welcoming home gatherings.

Sign up as a single or as a team.

Registration Deadline: Saturday, June 12th (120 player limit) Payment and registration is available at the Blue Star Mother's of America, Inc., Miami Valley Chapter #3 website: www.bluestarmothersdayton.com using a Credit Card or Pay Pal; or you can register through the mail using the form and address below. Questions about the outing can be addressed to Dan Block via e-mail at block.dan@sbcglobal.net or by calling 937-879-5375 or 937-673-1195.

Payment & Registration via mail: Address: BLUE STAR MOTHERS OF AMERICA, Inc.
 Miami Valley Chapter #3
 P. O. Box 292722
 Dayton, Ohio 45429

Contact Phone Number: (937) 671-8636

Player	E-mail	Phone

Checks payable to: Blue Star Mothers – Miami Valley Chapter #3

Title Sponsor: Scott Financial Services / www.scottfsiam.com