



[American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.](http://www.daytonashrae.org)

ASHRAE

2007-2008 OFFICERS

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NOVEMBER MEETING NOTICE
Temperature Controls Integration
Student Night and Research Promotion Night

November 12, 2007

Dayton Engineer's Club

- 5:30 – 6:00 Social time
- 6:15 – 6:45 Dinner
- 6:45 – 7:00 Chapter Business
- 7:00 – 8:00 Speaker

Paid local members: Free

Students: Free

Guests: \$20

Control System Integration: The November presentation will feature a panel discussion on the challenges of integrating control systems of different vendors. When BACnet first came out, there were a lot of skeptics who said it couldn't be done. Today, however, engineers are doing it successfully in a variety of facilities. Come hear what our panel of users and integrators has to say on this challenging and timely subject.

Panel members:

John Brofft / IES—Systems Integrator

John Fulton / BCI—Systems Integrator

Rick Pavlak—CEO of Heapy Engineering LLC / Dayton, Ohio—represents owner-engineer

Ron Sharpe—Ohio State University / Columbus, Ohio—represents owner.

The moderator will be **Frank Mauro**, Senior Commissioning Project manager for Heapy Engineering LLC. Detailed biographies can be found on page 3.

"For reservations contact the ASHRAE voicemail box at Heapy Engineering at 224-0862 extension 1581 or email jpfauber@heapy.com by Noon Thursday, November 8th"



WIN Bengals Tickets! Each time you attend a Dayton ASHRAE meeting or tech session this year you will receive one ticket towards a drawing to be held in April for a pair of tickets to a 2008-2009 game courtesy of Ramsay-Cohron. You must be a local member in good standing to win.

Don't be left out: return your roster information today!



A Note from the President

The October meeting covering chilled beams was a real success. We had a significant turnout and Ken Loudermilk, the speaker, had some great information. Thank you for your attendance and please continue to encourage a friend or co-worker to accompany you to these monthly meetings. Remember, each time you attend a meeting or tech session this year you will receive a ticket toward a drawing to be held in April for a pair of Bengal tickets.

As you are aware, the Board has been busy planning our monthly programs and to date April's presentation is still unplanned. We welcome any topic suggestions as these meetings are intended to help educate and sharpen all of the Dayton ASHRAE chapter members. Please email any officer with your input. Additionally, feel free to join us at our next BOG meeting scheduled on November 29th at Heapy at 8am. In order to keep this chapter active, "new blood" is vital. Please RSVP Colleen at 513-673-6664 if you plan on attending this coming BOG meeting. As always, donuts from "Bill's Donuts" will be served.

We look forward to seeing you at the November dinner meeting. Our topic is Control System Integration and we have an extremely knowledgeable panel addressing this subject.

Best regards,
Greg Cohron, P.E.

Welcome New Members!

The following are new members of the Dayton Chapter:

Colleen Haun, Ramsay-Cohron
Eric Laudick, Heapy



New Member Promotion: Bring a prospective member to one meeting for FREE. Just be sure to make them a reservation and note that they are a prospective member.

Student ASHRAE News

Sinclair students will be joining with Dayton ASHRAE for the November meeting – please be sure to welcome them – you just may find yourself sitting next to a future employee!



Sinclair's Student HVACR Club enjoyed a presentation by Jeff Holben from Honeywell on advances in residential thermostat design. The group is looking for its next speaker and sponsors for HVACR activities on Sinclair's campus. Contact Lorraine.Kapka@sinclair.edu or 512-4501 if you or your company are interested in participating.

Coming Events 2007/2008



September, 2008 Golf Outing with Cincinnati ASHRAE

October 8, 2007 DINNER MEMBERSHIP PROMOTION NIGHT, STUDENT NIGHT
Chilled Beam Cooling Systems

November 12, 2007 DINNER STUDENT NIGHT and RESEARCH PROMOTION NIGHT
Control System Integration

December 10, 2007 LUNCH
What's Up with Codes?

January HOLIDAY PARTY, date TBD

February 18, 2008 REFRIGERATION NIGHT
Refrigeration tour, Dayton Bombers Game

March 10, 2008 DINNER ASHRAE Distinguished Lecturer on Global Warming

April 14, 2008 DINNER TBD
PAST PRESIDENTS NIGHT

May or June 2008 Spring Golf Outing

Dayton ASHRAE History is taking a break this month – watch for the next chapter in the December newsletter.



Need a little help? Consider a co-op or student intern from Sinclair's 2-year HVACR Engineering Technology Degree Program.

Research Promotion News



Dayton Chapter

Achieves Full Circle! Full circle status is achieved when all officers and the Research Promotion chair each



contribute \$100 or more to ASHRAE Research for the current year. Now it's time for members of the chapter to step up and be counted. Contributions were received this month from **Rick Pavlak, Tom Monnig, Greg Cohron, Collen Haun, Lorraine Kapka, Denny Lammlein and Bob Patterson**. Wouldn't it be great if everyone in the chapter made a contribution? **No amount is too small to help us meet our fundraising goal!**

Research Promotion Honorees

This is the month we honor all who contributed to ASHRAE Research last year (July 1 – June 30).

Honorees include:

Jim Albitz
Ken Bailey
Greg Cohron
Jim Davidson
Joe Ferdelman
Tom Ferdelman
Sidney Hagan
Heapy Engineering
Helmig Lienesch
Lorraine Kapka
Denny Lammlein
Mike McGarvey
Tom Monnig
Osterfeld Champion Service
Bob Patterson
Rick Pavlak
Mark Spears
Starco
Tom Tanner
Dayton Trane
Weber Huff
Al Watton

Want to see your name here next year? Fill out the attached form and make a contribution to ASHRAE Research. Do it today!

Speaker Biographies:

John Brofft / IES—Systems Integrator

John is a partner and Co-owner of Innovative Energy Solutions, serving as Vice President/Sales Manager. IES is a local Systems Integrator and Building Automation Systems provider representing the Invensys/TAC and Schneider Electric product brands. They specialize in providing “Open” Building Control Solutions including Temperature Control, Access Control & Security, CCTV, lighting and power management solutions.

John serves as Vice President and Sales manager for IES and has been in the controls business for 25 years. He has worked over the years for Barber-Colman Co., Siebe Environmental Controls, and Invensys Building Systems in various Sales, Branch Management, and Regional Management capacities. He is a “Certified Energy Manager” and “Demand Side Manager” under AEE, and is a “Master HVAC Contractor” license holder for the Commonwealth of Kentucky.

Jonathan P. Fulton / BCI—Systems Integrator

Jonathan is the president and founder of BCI, Building Control Integrators, which currently has offices in Columbus and Cincinnati. As an industry expert in BACnet with factory certifications from 3 different manufacturers, Jonathan provides day-to-day support for all facets of the business. Jonathan was a previous Vice President of BACnet Interest Group-North America and a previous individual member of BACnet Manufacturers

Association. Jonathan is now an appointed member of the BACnet International Steering Committee as a “Systems Integrator” specialist. Jonathan studied Computer Information Systems at DeVry University and continues his studies at Moody Bible Institute. He has over 15 years of control and mechanical industry experience.

Rick Pavlak—CEO of Heapy Engineering LLC / Dayton, Ohio—represents owner-engineer

Rick Pavlak PE has been with Heapy Engineering LLC since graduation from Ohio Northern University in 1978. Rick is presently the President and a Principal in the firm. After joining Heapy Engineering, Rick became a team manager in 1984 and a Principal in the Company in 1989. In 1997 Rick took over as the Engineering Director, and came to his present position of President in 2005. Rick has been a member of ASHRAE since beginning his career in the Industry.

Since joining Heapy Engineering, Rick has designed HVAC, Solar, Cool Storage, and Energy Management Systems. He has been instrumental in energy studies and has completed studies for the Bell System BEMARR Program, the Ohio Board of Regents and the Title III program of the National Energy Conservation Policy Act, as well as studies for Universities, Commercial, Healthcare, Laboratories and Industrial facilities.

As the Director of Engineering, Rick provided oversight to the mechanical design, including concepts, technical advice and quality control for individual projects. Rick has continually provided leadership in the Automatic control portion of the Industry (and even today as President he will still be involved with major ATC decisions), and was instrumental in the management, installation and integration of the multiple systems in the Heapy new LEED silver certified Headquarters Building that was completed in 2001. Rick's unique perspective is one of engineering design for the ATC systems, as well as an owner who has experience with the integration of multiple systems.

Ron Sharpe—Ohio State University / Columbus, Ohio—represents owner.

Ron is Manager of Building Automation, Facilities Operations and Development for The Ohio State University, Columbus, Ohio. Ron's work scopes include evaluation of systems and design and development of technical programs and systems in a variety of disciplines. Ron has worked in the Controls Field, Energy Management, Lighting and HVAC profession for almost 35 years. Prior to his University employment, Ron was an Electronics Design Engineer for the research, military and commercial power industries. Ron also managed a MIS department and founded his own Consulting and Project Management Company before joining the University staff.

Currently, Ron is Manager of the Building Automation Shop at OSU which maintains all DDC, Clocks + Bell systems, and recently spun off the Fire Alarm systems creating a new shop on the main campus. He served as Chair of BIG-NA 2001-2003 and BI Board with the most

recent term ending in January 08. He is a strong proponent of BACnet, Member of ASHRAE, Past-President of the AEE Chapter-Central Ohio and past member of ISENA. Ron was instrumental in establishing a VLAN on the Columbus Campus for DDC, Fire Alarm, and Security as well as establishing BACnet as the protocol of choice for all electronic equipment used by Building Automation.

OSU Columbus and their several campuses have Building Automation systems that currently service approximately 100 buildings with DDC systems, VSD testing, with over 66,000 BACnet points not including VAV controllers, Lab pressurization, hood controls, and special projects. This BAS system-network services about 14,500,000 square feet with new buildings coming on board every year.

Frank A. Mauro / Heapy Engineering LLC, Moderator

Frank is a Senior Commissioning Project manager for Heapy Engineering LLC. Frank has over 38 years in the construction field. After graduation from Purdue U./West Lafayette, Ind. Frank joined Johnson Controls Inc. in Dayton. Frank was with the company for over 16 years and became the local Service manager. Frank then joined the design field for over 18 years and worked in both the design and Commissioning portion with two local companies. Frank has also spent time in HVAC sales and HVAC contracting.

For the past 5 years, Frank has been with Heapy Engineering in the role of Project Manager for several projects including the Kettering School 13 building renovation. Presently he is managing the Commissioning of a 120 million dollar renovation and new construction for St. Rita Hospital in Lima, a 1,000,000 square foot renovation of the old Lazarus Building in Columbus, and the Commissioning of the new \$90,000,000 Student Union for OSU in Columbus.

PE License Renewal

Just a reminder: Beginning in 2007, Ohio PE Registration renewal requires 15 CPDs. The PE Registration Board does not pre-approve courses nor does the board pre-approve providers. Each Registrant is responsible for their hours and to make sure that the courses they take meet the requirements and must include technical, ethical or managerial content. Typically 50 Minutes of content would account for one CPD. There are many ways to obtain CPD's just to mention few as outlined by the Ohio PE Board are as follows:

1. Completion of courses offered by a professional of trade organization, university or college, or offered in-house by a corporation, or technical presentations conducted at meetings, conventions conferences sponsored by a corporation, other business entity, professional or technical societies, association agency or other group.

2. Teaching relevant courses (does not apply to full-time faculty – only applies to courses being taught for the first time).
3. Authoring papers.
4. Completion or auditing of college courses.
5. Being an officer or committee member (2 CPDs) of an engineering society i.e, ASHRAE.

They do not accept self-directed study courses. You must keep your own records (see attached suggested log sheet). I feel that our typical technical ASHRAE meetings would count for credit. However, I suggest you check the BOD's web at <http://ohiopeps.org> (click on "Renewals> CPD" located just under the heading) for more complete and accurate information.

Help Wanted Ads

We have been asked by a number of members to furnish employment want ads for ASHRAE Members. Want ads do appear in the ASHRAE Journal and in many other Chapter Newsletters. The Board decided to try it in next months Newsletter and in the future, if needs still require. The cost for a quarter page ad for one month would be a fee of \$50.00 payable to Dayton ASHRAE. All ads will also appear on the Dayton ASHRAE website. It is expected that all revenues for this service will be earmarked for ASHRAE Research. Send information direct to Newsletter Editor Lorraine Kapka with a check to made payable to Dayton ASHRAE to: DAYTON ASHRAE, PO Box 3202, Davton, OH. 45401

ASHRAE Receives NCEES Accreditation for Educational Programs

ATLANTA – ASHRAE has received accreditation for its education program from the National Council of Examiners for Engineering and Surveying (NCEES).

This accreditation from NCEES' Registered Continuing Education Providers Program (RCEPP) gives ASHRAE's educational offerings, part of the ASHRAE Learning Institute, another level of creditability in the eyes of licensing and renewal authorities.

ASHRAE Learning Institute offers on-site and online educational programs addressing a wide variety of engineering topics, such as commissioning and compliance with ASHRAE standards. For more information, visit www.ashrae.org/ali.

RCEPP is a comprehensive registry of continuing educational providers that have demonstrated adherence to high-quality, effective practices in the development and delivery of professional education activities for engineers and surveyors.

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.



Dayton Chapter ASHRAE

www.sinclair.edu/community/daytonashrae

Membership Application and Roster Information 2007-2008

ROSTER AND PAYMENT DUE OCTOBER 26, 2007

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 Telephone
Honors & Awards

Please Check Your Preferred Roster Affiliation

- Consultant Contractor Industry/Government Retired
Education Student: School Degree Approximate Graduation Date
Wholesaler Manufacturer's Rep/Sales Office

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

Table with 16 rows listing product categories: Air Devices, Air Handlers, Boilers, Building Automation, Chillers, Coils, Computer Room Equipment, Cooling Towers, Ductwork, Dust Collection, Fans, Fan Coil Units, Filtration, Heat Exchangers, Heating Equipment, Humidity Control, Kitchen, Laboratory Fume Hoods.

Table with 16 rows listing product categories: Louvers and Dampers, Make-Up Air Units, Packaged A/C, Pre-Insulated Pipe, Pumps, Sound Attenuation, Steam Specialties, Air Terminal Units, Thermal Storage, Unit Heaters, Unit Ventilators, Vibration Isolators, Valves, Variable Speed Drives, Water Source Heat Pumps, Water Treatment, Other.

Dayton Chapter ASHRAE dues for the Society year beginning July 1, 2007 and ending June 30, 2008 are \$85 per year. Dayton Chapter ASHRAE dues include 7 dinner/lunch meetings, and both you and your spouse 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 \$85 to 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!

ASHRAE RESEARCH

Dayton ASHRAE

Contribution Form

Thank you in advance for your commitment to ASHRAE Research! Remember, this is 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 the future HVAC&R research and professional development.

Name: _____

Address: _____

Phone Number: _____

Member Number (If known): _____

Amount: _____

Make checks payable to **ASHRAE Research Promotion.**

Send this form and check c/o Denny Lammlein
29 Sandelwood Street
Springboro, OH 45066

Continuing professional development (CPD) activity log

4012

All CPD activities and courses must be relevant to the practice of engineering or surveying and must include technical, ethical or managerial content.

This form is required for tracking your CPD hours for Ohio P.E. and Ohio P.S. registration annual renewal. This form does not replace copies of your certificates of completion or other documentation required by Ohio Revised Code Chapter 4733.151. Fifteen (15) CPD hours are required for Ohio registration renewal. A maximum carryover of 15 CPD hours are allowed per year. For information about the Board's CPD requirements, go to our website at <http://ohiopeps.org/cpd/index.html>.

This CPD activity log is provided for your use and must be submitted to the Board ONLY when requested by the Board.

YOUR OHIO P.E., P.S. REGISTERED NAME

P.E. NUMBER AND / OR P.S. NUMBER FOR CALENDAR YEAR

	P.E. NUMBER AND / OR P.S. NUMBER	FOR CALENDAR YEAR
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DATE	SPONSOR/PROVIDER	LOCATION ADDRESS, CITY AND STATE	TITLE OF ACTIVITY DESCRIPTION	INSTRUCTOR	DURATION	CPD EARNED	DOCUMENT RECEIVED

TOTAL CPD EARNED THIS YEAR	CPD CARRIED OVER FROM PREVIOUS YEAR (MAXIMUM 15)	The credits listed herein are true and correct and state accurately the continuing professional development hours which I have earned.	DATE SIGNED



State Board of Registration for Professional Engineers and Surveyors

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