

**Cincinnati ASHRAE News**

A monthly publication of the Cincinnati Chapter of the American Society of Heating, Refrigeration & Air Conditioning Engineers

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Laura Kamphaus

**THE PRESIDENT’S CORNER**

**Pete Skelly**

Once again we had a very successful January joint meeting with the USGBC. Mark MacCracken from Calmac Manufacturing was on hand to discuss the energy efficiency benefits of installing thermal ice storage systems. The table top product displays and cocktail hour beforehand worked out very well and the Crowne Plaza did a great job handling the event. Thanks to everyone involved – especially Laura Kamphaus who was the lead organizer.

Well I just got back from the ASHRAE EXPO in Las Vegas and I have to say it was one of the more impressive shows I have attended. The attendance was strong and the weather was great. I could only imagine if it had been held in Chicago- which leads me to wonder why we are heading there next year.

A few highlights for the month of February will be a membership promotion/YEA night at a Cyclone’s Hockey game February 16th. Keep your eyes open for the announcement in a separate email blast from Laura. Also, February 14-20<sup>th</sup> is National Engineer’s week. Details of the event are included in the newsletter.

Next week’s luncheon has Tom Durkin of Durkin & Villalta Partners Engineering coming to town to discuss central geothermal plant design. Please don’t forget to register ASAP!

Lastly, the board voted to return to Fairfield Golf Course for the spring golf outing with a tentative date of May 20<sup>th</sup>. Please mark it on your calendars and start making your foursomes.

Regards,

Peter Skelly

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### Thomas H. Durkin, P.E., LEED AP

As Director of Engineering and Senior Partner of Durkin & Villalta Partners Engineering, Indianapolis, **Tom Durkin** is widely recognized as one of the most innovative and creative engineers in the country. He has won eleven state and national design awards, including the Consulting Engineers of Indiana “**Grand Project Award**” twice and an **ASHRAE Technology Award**. He is a frequent author and speaker on energy conservation and engineering innovation. His projects have been featured in **USA Today** and on the **ABC News**.

Durkin & Villalta Partners Engineering is professional design firm specializing in HVAC, plumbing, fire protection, electrical power, lighting design, technology, and energy conservation. They have offices in Indianapolis and Evansville, Indiana

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**Past President Luncheon at Crowe Plaza on December 14, 2010**



(Left to Right: Dave Shaffer, Bill Schriener, Christian Holden, Joe Nader, Fred Betz, Drew Linck, Dan Bohl, and Dan Tarkington)



## The TA Hydronic College is coming to Cincinnati to present "The Three Hydronic Conditions"

*Tour & Andersson, a worldwide leader in hydronic systems engineering for over 100 years, is proud to present our popular seminar series to consulting and building engineers covering:*

- The three key conditions necessary for hydronic control
- Relating typical symptoms to system faults
- Balancing to ensure optimum indoor climate

Plan to join us **February 16<sup>th</sup>**, in The Champions Club at the **Great American Ballpark** in Cincinnati. The seminar is free. Attendees will receive attendance certificate for up to 4 PDH, complimentary dinner and refreshments, and the book "Total Hydronic Balancing" by Robert Petitjean.

Register now at [www.TAHydronicCollege.com](http://www.TAHydronicCollege.com)

## Save the Date

### GREENING THE HEARTLAND

Cincinnati, Ohio • Duke Energy Center  
June 22 - 24, 2011

#### QUICK LINKS

[Conference web site](#)

[Call for Papers](#)

[Call for Exhibits](#)

[Sponsorships](#)

#### SPONSORS

##### SILVER



Green  
Development  
Solutions

The Cincinnati Regional Chapter of the U.S. Green Building Council is pleased to host the 8th Annual Greening the Heartland Regional Conference of the USGBC. An estimated 1,000 attendees and 100 exhibitors from throughout the country will converge on Cincinnati to learn, share, and connect at the premier sustainability event in the Midwest.

We look forward to seeing you in Cincinnati on June 22 - 24.

#### CALL FOR PAPERS

This is your opportunity to participate in the conference as a presenter in one of our education sessions.

Proposals are now being accepted through **January 21, 2011**. Details on how to submit can be found [here](#).

#### CALL FOR EXHIBITS

Gain visibility to an audience that includes building owners, designers, builders, manufacturers, and public.

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# Turner



employees.

Learn more about the other benefits of exhibiting and how to select your booth [here](#).

### SPONSORSHIPS AVAILABLE

Take advantage of a sponsorship opportunity to:

- Heighten your credibility
- Differentiate your company
- Develop relationships
- Gain high visibility

Details on a sponsorship opportunity can be found [here](#).

### FOR MORE INFORMATION: Conference & Event Services

PO Box 210031  
Cincinnati, OH 45221-0031  
513-558-1810  
[event.services@uc.edu](mailto:event.services@uc.edu)  
[www.http://www.greeningtheheartland.org](http://www.greeningtheheartland.org)

## ASHRAE Celebrates National Engineers Week



**ATLANTA** –Engineers don't just shape our buildings and infrastructure; they help shape our world.

The Atlanta-based American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) is a partner in the National Engineers Week program (Feb. 14-20), a celebration of the contributions that engineering makes to our society and encourages engineering as a career path among young students by promoting pre-college literacy in math and science. For specific information about the program, please visit [www.EWeek.org](http://www.EWeek.org).

"National Engineers Week showcases how our profession truly engineers the world we live in," ASHRAE President Gordon Holness, said. "From buildings to manufacturing and transportation, engineers have been behind so many modern-day marvels. ASHRAE is proud to be involved in this program and celebration."

ASHRAE has twice served as lead organization in National Engineers Week. The last time, in 2003, ASHRAE launched the New Faces of Engineering program as part of the weekly celebration.

The New Faces program promotes the accomplishments of young engineers across various disciplines by highlighting their engineering contributions and the resulting impact on public welfare. The program targets those age 30 and younger. Engineering associations, societies and government groups nominate candidates each year, from which 15 are selected for recognition in USA Today.

ASHRAE's New Face for 2010 is Aaron Smith, a mechanical engineer at M&R Engineering, Ltd., Halifax, Nova Scotia. Smith has travelled the world bringing engineering to isolated communities, from wind project in northern Alaska, to solar energy projects in Nicaragua. Smith also wrote a bilingual construction manual based on the photovoltaic assembly techniques and organized an educational workshop on solar ovens. Other recent projects include a maintenance facility and a farmers' market that incorporate geothermal heat pumps with solar thermal assist, wind turbines, in-floor radiant heating, natural ventilation and dedicated outdoor air systems with energy recovery.

The New Faces of Engineering will be featured in USA Today on Tuesday, February 16.

February, 2011

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Several events will take place in conjunction with National Engineers Week, including Introduce a Girl to Engineering Day (Feb.20) and the Future City Competition.

Now in its 18th year, the competition attracted 33,000 middle-school students during the 2009-2010 school year from a record-breaking 1,100 schools in diverse regions across America to work with teachers and volunteer engineers to envision the future in large, tabletop models of cities of tomorrow. The teams presented their Future Cities before engineer judges at regional competitions in January. First place teams from qualifying regional competitions won a trip to Washington for the Future City National Finals, February 15-17. For more information, visit [www.futurecity.org](http://www.futurecity.org). ASHRAE will be presenting special awards for sustainability and indoor air quality.

*ASHRAE, founded in 1894, is an international organization of 55,000 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.*

## FREE ADMISSION TICKET BELOW!

**facilities**  
maintenance



### Cincinnati Facilities Maintenance & Building Expo

#### REGISTER TODAY FOR A BOOTH TO EXHIBIT YOUR PRODUCTS AND SERVICES

Thursday, February 3, 2011  
10:00 am - 4:00 pm

#### [REGISTER ONLINE](#)

#### Oasis Conference Center

902 Loveland-Miamiville Road  
Loveland, Ohio 45140

For more information and to register for booths, please contact Amy Ostigny at 513-403-0301 or email [aostigny@bizcinci.rr.com](mailto:aostigny@bizcinci.rr.com).

This expo is a great place for visitors who are interested in helping their operations be more efficient -- shop 70 local area companies under one roof!

Exhibitors will display cutting edge products and services for operating

### In This Issue

Cincinnati Facilities Maintenance & Building Expo

Seminar Schedule

Current Cincinnati Expo Exhibitors

Additional Upcoming Expos

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### [INDUSTRY PARTNERS](#)



Ohio Valley Chapter

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and maintaining an industrial plant, commercial building, municipality or institution. From roofing products, floor coatings, energy efficient lighting, temporary heating and cooling systems and other products to save energy costs, to janitorial products and services, building controls and rental equipment, the expo will offer attendees an excellent opportunity to network with other industry professionals.

Job titles of previous show attendees include: Facility Managers, Building Owners/Managers, Plant Engineers, Maintenance Personnel, Production Supervisors, Purchasing Managers, Buyers, Safety Supervisors and more.

*Excellent marketing opportunities are available for potential exhibitors and sponsors.*

### EXHIBIT PRICES:

10' x 10' Furnished Booth \$695.00  
10' x 20' Furnished Booth \$995.00  
20' x 20' Furnished Booth \$1595.00  
Bulk space (over 400 sq ft) \$3/sq ft

### EXHIBIT PACKAGES INCLUDE:

Booth Space, Unlimited Show Passes, 8' Draped Backdrop, (2) 3' Draped Side Rails, Official Show Guide Listing, On-site Show Management, 6' Draped Display Table & 2 Chairs

## Seminar Schedule

**10:30 am - 11:30 am**

**KLH Presentation: Energy Savings & Incentives for Existing Facilities**

**Robert Lonnemann, Principal  
KLH Engineers**

This program will discuss the opportunities for saving operating costs in existing facilities.

The following topics will be discussed:

1. LEED Existing Building O&M
2. Energy Star
3. Energy Audits
4. Energy Modeling
5. Rebates and Incentives

Case studies will illustrate how you can make these methods work for you.



### SPONSORS



**KLEENCO**  
construct | preserve | maintain

**SIEMENS**

11:30 am - 1:00 pm  
IFMA Presentation: Commissioning

[REGISTER HERE](#)

IFMA Cincinnati Members: Free (includes lunch & seminar)  
Non-Members and Guests: \$20 (includes lunch & seminar)



Thank You to our Luncheon Sponsor!



**Larry Wessel**

***PEDCO E & A Services, Inc.***

A 30+ year veteran of facilities with experiences including facilities maintenance technician, construction manager and facilities operations, Mr. Wessel spent most of his career at Cincinnati Bell Telephone, managing construction projects in facilities as small as 900 square feet, to replacing the chiller plant in an active switching station and data center facility. Since 1990, Mr. Wessel was responsible for commissioning his installations before they were turned over to the operations staff. At the end of his career at Cincinnati Bell Telephone, Mr. Wessel was responsible for construction management and operations at CBT's downtown Central Office and data centers. He is now a Project Manager at PEDCO E & A Services and is responsible for Client Management, Commissioning and Energy Management services, as well as the Mission Critical market.

Learning Objectives:

1. What is Commissioning
2. The types of Commissioning
3. Description of the commissioning process
4. Benefits of commissioning
5. Importance of commissioning to the owner and the operations staff
6. What the owner should expect from their commissioning authority

1:00 pm - 2:00 pm  
StructureTec Presentation: Designing and Installing Green Roofs That Work

***Eric J. Seaverson, PE***  
***Manager, The Restoration Group at StructureTec***

Mr. Seaverson primarily focuses on walls, plazas, below-grade waterproofing, and parking garage restoration. He is a registered professional engineer, with over 14 years experience focusing on the building envelope. He has investigated building envelope failures and deterioration, designed repairs, and managed all phases of remedial projects.

This presentation will focus on proper design and construction of



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reliable green roof systems, primarily focusing on the weatherproofing aspects.

Program benefits and objectives:

Green roofs have many benefits, but also come with challenges, mainly with regards to leakage. Green roofs are significantly more complicated than a standard roof. This is primarily due to the fact that the membrane is buried (making repairs difficult) and that the membrane never dries. Reliable design and construction of a green roof requires a shift in thinking to considering the area as a "plaza" instead of a roof.

**FREE  
ADMISSION**

A showcase of products and services to help you maintain and operate your warehouse, industrial plant, commercial building, municipal facility or institution.

**SHOW HOURS:**

Thursday, February 3, 2011  
10:00 am - 4:00 pm

**Attend FREE SEMINARS on GREEN TECHNOLOGY during show hours!**

For more information:  
Expo Source 513-444-4828  
Fax: 513-239-8231  
[www.facilitiesmaintenanceexpo.com](http://www.facilitiesmaintenanceexpo.com)

**Ticket must be printed and presented for Free Admission.**

## **EAP, Inc. is hiring for 2 full time Outside Sales Representative positions in 2011.**

EAP, Inc. is a manufacturer's representative firm specializing in commercial and industrial HVAC equipment, systems and services. For more than 35 years, EAP has sold products and services to some of the areas largest businesses and institutions. Our brand new corporate headquarters is located near the Redbank Expressway in Fairfax, Ohio. We service the Greater Cincinnati and Dayton areas, Columbus, OH, Northern Kentucky and Southeastern Indiana. EAP also maintains a 30,000 square foot distribution center with readily available stock product.

### **Job Description:**

- To sell products and services to both new and existing accounts, and to be able to solicit new business from these accounts
- Develop and build relationships with our clients, our employees and the manufacturers we represent
- Sustain a dominant level of customer service
- Manage and facilitate client requests
- Process submittals and orders
- Effectively manage your own book of business

### **Personal Characteristics:**

- A superior work ethic, the ability to learn, and adapt to our industry
- Self-motivated
- Superior time management skills
- Schedule flexibility
- An ability to take direction
- A positive attitude and the ability to work with the rest of the EAP Family
- Excellent communication skills, verbal and written

### **Requirements:**

- Experience in sales is an absolute requirement. A mechanical background or engineering degree is advantageous but not necessary.
- Explicit knowledge of our HVAC Industry is also an advantage.
- Superior communication skills and advanced computer skills are required.
- National and regional travel will be required

### **Additional Information:**

**Job Available Date:** January 2011

**Career Level:** Experienced

**Education Level:** 2- or 4-year College  
Technical College

**Job Status:** Full-Time

**Job Type:** Employee

**Salary:** TBD

If you are interested in becoming part of EAP's sales team, please send your resume to  
**[asuttmiller@eapnet.com](mailto:asuttmiller@eapnet.com)**

## 2010-2011 Calendar of Events

**October 12, 2010**

**Monthly Members Meeting - Luncheon**

Seismic Restraint of Mechanical Systems

Speaker : James R. Tauby P.E. – Mason Industries

Tech Session: Centrifugal Pump selection and application

Speaker : Eric Meyer – Blackmore and Glunt

**November 9, 2010**

**Monthly Members Meeting - Luncheon**

Kitchen Ventilation Design and Operation

Speaker: Dean Ruplinger - General Manager Greenheck Fan

Tech Session: Energy Efficient Fan Selection

Speaker: Dean Ruplinger - General Manager Greenheck Fan

**December 14, 2010**

**Monthly Members Meeting - Luncheon**

Holiday Luncheon

Speaker: Paul Daugherty - Cincinnati Enquirer Sports Columnist

**January 18, 2011**

**Dinner Meeting ASHRAE/USGBC**

Thermal Ice Storage

Speaker - Mark MacCracken of Calmac Manufacturing Corp.

**February 8, 2011**

**Monthly Members Meeting – Luncheon**

Central Geothermal Plant Design

Speaker: Tom Durkin of Durkin & Villalta Partners Engineering

**March 8, 2011**

**Monthly Members Meeting - Luncheon**

Field Verification of Fan Performance

Speaker : Ron Michael from Loren Cook Co.

**April 12, 2011**

**Monthly Members Meeting – Luncheon**

Building Performance Analysis

Speaker : M. Dennis Knight of Liollo Architecture

**May 20, 2011**

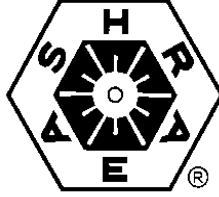
**Spring Golf Outing**

Fairfield Golf Course

# ASHRAE

## CINCINNATI CHAPTER MEETING

### RSVP FORM



\_\_\_\_\_  
Name

\_\_\_\_\_  
Company

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

\_\_\_\_\_  
Email Address

### Will be attending the ASHRAE Cincinnati Chapter meeting on:

**DATE:** February 8, 2011

**TIME:** 11:30am

**PLACE:** Crowne Plaza  
5901 Pfeiffer Road  
Cincinnati, OH 45242

**COST:**

\_\_\_ \$20.00 ASHRAE member

\_\_\_ \$30.00 Non-Member

\_\_\_ \$10.00 Student

**TOPIC:** Central Geothermal Plant Design  
Tom Durkin

**FAX TO:** *Laura Kamphaus (513) 481-5361*  
*Or Email: laurakamphaus@zoomtown.com*

**Registration deadline NOON Friday, February 4, 2011**  
Remember to honor your reservations. No shows will be billed by ASHRAE