

Illinois Intercom

Newsletter of the Illinois Chapter of ASHRAE November 2009, Vol. 49, No. 3



November 10 seminar & meeting

How to design data center cooling for maximum efficiency

Dinner meeting will explain Chicago's new seismic requirements

Our half-day seminar to be offered by the Illinois Chapter on Tuesday, Nov. 10, 2 – 5:00 p.m. (registration opens at 1:30 p.m.) shifts the focus to ASHRAE Design Guidelines for Data Centers. The monthly dinner meeting will follow the seminar, and it will feature an additional presentation on a different topic. Both programs will take place at the **Center for Professional Development**, at the IIT Rice Campus, 201 E. Loop Rd., Wheaton, Ill. Ample free parking nearby is available.

The afternoon seminar, titled “*Best Cooling Practices and Energy Efficiency in Data Centers*,” will feature two expert presenters who will approach the topic from a couple of angles.

Rich Walker, Central Region Sales Manager for Liebert Corporation, will discuss and illustrate best practices in data center design. His talk, *Best Design Practices for Cooling Data Centers: Blade Servers and High Density Computing*, will refer to *ASHRAE Datacom Series* guidelines. Over 20 years with Liebert, Rich has worked as a field/factory trainer, application engineer, and senior design engineer before his current position. He is one of the first instructors to teach refrigerant reclaim courses for EPA certification.

Lou Berthiaume, Chicago Territory Manager for APC by Schneider Electric, will cover energy efficiency in data center and server room

design. His talk is titled “*The Efficient Enterprise*.” Lou is responsible for developing and supporting Elite APC partners, which includes Data Center power and cooling design. He is currently the lead architect of APC’s InfraStruXure® system, leading the effort to expand and

Nov. 10th Seminar & Meeting

Best Cooling Design Practices and Energy Efficiency in Data Centers

Plus Dinner Meeting Presentation:

Seismic Design in Chicago: New & Upcoming Requirements

Center for Professional Development,
IIT Rice Campus,
201 E. Loop Rd., Wheaton, Illinois

**For reservations, visit
www.illinoisashrae.org or call
(708) 636-3604**

enhance integrated data center infrastructure solutions. He is a frequent speaker at power efficiency and information technology conferences.

Those who stay for dinner will hear another technical presentation explaining local seismic risk and code requirements and recommended seismic specifications for mechanical equipment. It will be conducted by **Jim Sadler**. Before becoming the **National Sales Manager for Mason Industries**, Jim held various engineering and sales management positions. He has extensive experience in the application of

(continued on next page)

A perfect day for golf!



September 17, a perfect day, was not wasted by the those who came out for the annual Golf Outing at St. Andrews Golf Club. The beautiful weather added to the day’s success. The Illinois Chapter is grateful to all who participated in this year’s fund raising event.

Are you getting everything from ASHRAE that you should?

Your mail address and other contact information took only a small portion of your original ASHRAE application, but it was arguably the most

important information about you that you provided. That’s because an incorrect address can quickly create a wall between not only you and ASHRAE but also other members of the society and chapter. An old, out-of-date email (or none at all) is worse. As email has become prevalent, more and more *(continued on next page)*

Nov. 10 meeting & seminar (continued from page 1)

vibration isolation and seismic restraint systems. He'll talk about new requirements for Chicago's buildings.

The cost for the afternoon seminar is \$30 per person; the dinner meeting is \$30 per person (\$60 for both programs). **Three Professional Development Hours (PDHs) can be earned by attending the afternoon seminar. One PDH is earned with the dinner presentation.**

Make your advance reservations online at <http://www.illinoisashrae.org>. Or call the reservations line (708) 636-3604. Please specify which part, or parts, of the day you'd like to attend.

Are you getting everything you should? (continued from page 1)

ASHRAE information is now exclusively emailed to members. It means that none of ASHRAE's many technical publications, event announcements and other news will find you. It also prevents other members — important professional contacts that you already know and ones who might reach out to you — from making contact, if your roster listing contains old information about you.

It's really simple to make sure that your contact information is up to date, and the Internet has made it possible to do this from your computer in only a few minutes. That's the good news. However, it's up to you to periodically check what information about you — address, telephone and email — is in ASHRAE's membership databases. For most ASHRAE members, this information exists in two places:

Society list. This is the original, "ground zero" ASHRAE list. It is the place where the data provided on your application is first recorded into a computer file. The ASHRAE Society headquarters, in Atlanta, Ga., keeps database records of all members of ASHRAE in the U.S. This information may be updated each time you renew your dues and report new contact information. The ASHRAE national headquarters also maintains lists for many local chapters, including the Illinois Chapter. It produces monthly updated membership lists for chapters, including a number of reports that reflect new members, outgoing members and other changes. The chapter administrator or another designated member, can access and download updated data from the Society Web site.

It's important to know that contact information about ASHRAE members flows downhill: from the Society headquarters to the individual Chapters, not vice versa. Why is that important? If you submit your new address, for example, to the national headquarter's list, in a short time it will also find its way into your Chapter's membership list. However, the same isn't true if you only tell the Chapter.

Chapter seeking scholarship applicants

The scholarship committee is accepting scholarship applications for 2009-10. Applications may be obtained by contacting Chapter headquarters at (708) 636-5819 or from the Chapter Web site, www.illinoisashrae.org (click on "Programs"). **The deadline for applications is Dec. 31, 2009.** Scholarship winners will be introduced at the Feb. 9, 2010 monthly meeting. Scholarships are given to deserving high school and college students interested in pursuing studies in engineering, science or mathematics that are fundamental for a career in the HVAC field.

Ideally, you should report changes to both the national and Illinois Chapter offices. This will ensure the timely updating of both lists.

To update your member listing with the national headquarters:

- Access the Society Web site, www.ashrae.org. On the lefthand side of the home page, click on the "Renew Membership" link. You must first login by entering your email address and password. The next screen will display your membership information. Type in the new contact information in the assigned fields. When finished, click on the "Validate Address" button. You're done. You may logoff.
- If you'd rather do it by telephone, call ASHRAE headquarters at (404) 636-8400 and ask for the membership department. A representative will take your new information over the phone.

To update your information with the Illinois Chapter:

- Call the Chapter office at (708) 636-5819 to relay your new information over the phone.
- Or email your new address or other information to: dkdoherthy@sbcglobal.net.

Once again, it's quick and easy to check the status of your current ASHRAE information. But it's up to **you** to get it done.

Thanks to our 2009-10

HVACR Backer sponsors

They help support this newsletter and other Illinois Chapter activities.

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Illinois Chapter 2009-2010 Contributors:

(as of Oct. 21, 2009)

Golden Circle Award (\$10,000 or more)

Honor Roll Silver Award (\$1,000-\$2,499)

Honor Roll Bronze Award (\$500-\$999)

Illinois Chapter ASHRAE
John Nowicki



Honor Roll Individual (\$100 or more)

Martin Barr
Michael L. Carreon
James L. Conrad
Jeremy D. Dickinson
Kenneth N. Eldrup, PE
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teristics of a facility.” Unlike 2-D or 3-D CAD, BIM software utilizes intelligent objects to create models.

The benefits of using BIM applications are numerous, including enhanced interoperability, which will improve Integrated Building Design and Integrated Project Delivery.

In addition to BIM’s advantages and tips for getting started with the application, the guide also includes a list of helpful software so that engineers might choose the best program for their company.

An Introduction to Building Information Modeling is available as a free download on ASHRAE’s Web site at www.ashrae.org/publications.

HVAC Basics series draws to a close



Dick Hegberg covers a few ins and outs of cooling system fans in the Oct. 29th meeting of the HVAC Design Seminars. The 8-week series concludes on Nov. 5. Each year, Dick leads a group of guest lecturers — all Chapter members and veteran HVAC engineers — who help 20-30 participants gain or expand their knowledge of basic HVAC systems and what goes into their competent design and operation.

New BIM Guide Released by ASHRAE

A newly released guide from ASHRAE on building information models and building information modeling (BIM) serves as a resource for professionals considering BIM tools and applications for their businesses.

According to *An Introduction to Building Information Modeling*, BIM is “a digital representation of the physical and the functional charac-

Let’s welcome our newest Illinois Chapter members

Congratulations to the following individuals who recently became ASHRAE members, and welcome to the Illinois Chapter:

Ken Anno
Lou Berthiaume
Mike Capalbo
Robbie Chung
Joseph Cortese
Joe McGrath
Peter Smith
Jeff Weber
Douglas Welu

Job Opening

Elara Energy Services, Inc., is looking for a new Senior Mechanical HVAC Engineer. The consulting engineering firm specializes in retrofit projects of existing commercial buildings and campuses looking. Company benefits include health insurance, 401(k) plan, paid vacation etc...

- Candidate will work with Elara’s principals on the design of HVAC building systems and coordinate with other infrastructure (electrical, plumbing, fire protection, IT) design. All designs are energy conscious utilizing leading technologies.
- Candidate will be detailed, self motivated and passionate about the industry.
- Candidate will work directly for Elara’s principals in an open, flexible office environment.
- Candidate must be capable of assuming project responsibilities for overall system design. Candidate will work with all of Elara’s drafting and engineering resources. Candidate will interface with client and contractors.

Minimum Job Requirements:

- Bachelors degree in Mechanical Engineering – P.E. a plus
- A minimum of ten years of experience

Contact Information:

Caitlin Levitsky, Caitlin.Levitsky@elaraengineering.com.

MARK YOUR CALENDAR...

A look at upcoming seminars, meetings & other events

Nov. 10, 2009

Seminar: Best Cooling Design Practices and Energy Efficiency in Data Centers, 2 - 5 p.m.

Dinner Meeting: Seismic Design in Chicago: New & Upcoming Requirements, 5 - 8 p.m.
Center for Professional Development, IIT Rice Campus, Wheaton, Ill.

Dec. 8, 2009

Technology Awards Luncheon
"Past Presidents & Life Members Night"
11:30 a.m. - 2:30 p.m.
Suburban location to be determined

Jan. 12, 2010

Seminar: North Central College Tour, 2 - 5 p.m.
Dinner Meeting: Heat Pumps & Geothermal Systems, 5 - 8 p.m.
North Central College Auditorium

Jan. 23-27, 2010

ASHRAE Winter Conference
Orlando, Fla.

Jan. 25-27, 2010

AHR Expo, Orange County Convention Center, Orlando, Fla.

Feb. 9, 2010

Seminar: Energy Saving Designs for Existing Buildings, 2 - 5 p.m.
Dinner Meeting: Loyola Univ. Commons Building (2008 Technology Award Winner), 5 - 8 p.m., "Student Night"
Parthenon Restaurant, Chicago

March 9, 2010

Seminar: Engineering Principles and Sequences of Operation, 2 - 5 p.m.
Dinner Meeting: Commissioning Sequence of Operation Case Studies 5 - 8 p.m.
Moretti's Restaurant, Chicago



Mark your Calendar

Tickets will go on sale soon.

Chicago Bulls Outing

Tuesday, Feb. 16, 2010

7:00 p.m. Tipoff

**Chicago Bulls vs.
New York Knicks**

**We'll gather at Moretti's at
5:00 p.m. for pizza and beer.**

**For information, call the
Chapter office at
(708) 636-5819.**



Illinois Chapter ASHRAE

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