



# THE ILLINOIS INTERCOM

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December, 2005

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## Upcoming ASHRAE Events

### December 6, 2005, Tuesday

Lunch Meeting (3 PDH): BACnet vs. LON  
Parthenon Restaurant, Chicago, Ill.  
(Greektown)

### January 21-25, 2006

ASHRAE Winter Meeting & AHR Expo  
Chicago, Ill.

### February 7, 2006, Tuesday

Seminar (3 PDHs): High-Pressure Steam  
Dinner Meeting: Engineering &  
Scholarship Awards Presentation  
Avalon Banquets, Elk Grove Village, Ill.

### March 7, 2006, Tuesday

Afternoon Seminar (3 PDHs):  
Standards 52  
Dinner Meeting — Research Promotion  
and Student Night  
Rock Bottom Brewery, Chicago, Ill.

### April 4, 2006, Tuesday

Afternoon Seminar (3 PDHs): Standards 62  
Dinner Meeting (1 PDH): Business  
Management and Billing  
Avalon Banquets, Elk Grove Village, Ill.

### May 2, 2006, Tuesday

Afternoon Seminar (3 PDHs):  
Packaged and Applied VAV Systems  
Dinner Meeting (1 PDH):  
Parallel vs. Series Fan-Powered VAV  
Avalon Banquets, Elk Grove Village, Ill.

## “BACnet vs. LON” — Top 2 Protocols Face Off At December 6 Lunch Meeting

LONMark's LONTalk and ASHRAE's BACnet have emerged as the two primary integration protocols for the HVAC industry. But which one should you specify? Or should you specify both? Or neither? We'll, we can't promise that those questions will be answered, but we will promise that you will be better informed to make the decision for yourself.

At the Dec. 6 meeting, we're using a different format. We're letting the audience dictate the flow of the presentation. Two very qualified presenters will discuss their respective technologies, for about 30 minutes each, then they'll take your questions. This is your chance to ask questions and hear what experts think about the strengths and weaknesses of these two communication protocols. Think of it as a debate without the stopwatch, strict rules, and hair-pulling. It's just a friendly, OPEN discussion about OPEN protocols.

**Ron Bernstein**, one of our presenters, has spent the last 13 years with Echelon Corporation in a variety of roles focusing on control systems in building automation, transportation, industrial process control, and home automation. He is currently the Channel Manager for Echelon's integration business, focusing on network integration in the buildings market with LonWorks. He is a founding board member and current Vice Chairman of

LonMark Americas, the LonWorks standards organization. He also is the LonMark Education Committee Chair, working with a team to help people understand how to successfully implement open building control systems. Ron has extensive experience in the architecture, specification, and integration of open, flat, interoperable, multi-vendor control systems.

**Bob Johnson**, our other presenter, is a system architect for Siemens Building Technologies, working primarily with global teams to

### December 6 Lunch Seminar

<b>Place:</b>	Parthenon Restaurant 314 S. Halsted Street In Chicago's "Greektown"
<b>Time:</b>	Registration: 11:00 a.m. Seminar: 11:30 a.m. - 2:30 p.m.
<b>Topic:</b>	BACnet vs. LONMark
<b>Chairman:</b>	Ryan Hoger, T E C

For reservations, call (708) 636-3604

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## December 6 Lunch Meeting

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develop common architectures for the HVAC, Life Safety, and Access Control domains. He started with SBT in 1991 in the Integrated Systems department, working on the design of platforms used to integrate devices from many different manufacturers and applications, as well as engineering integrated systems in the field. Bob is a voting member on the ASHRAE SSPC-135 BACnet

Committee. He also convenes the Objects and Services Working Group, which focuses on infrastructure modifications needed to support new BACnet objects and services or refinements to existing BACnet objects and services. He holds a Bachelor of Science degree in Computer Engineering from Iowa State University and an MBA from Rockford College.

## Scholarship Application Deadline is Dec. 16

The scholarship committee will continue to accept scholarship applications until the *Dec. 16 deadline*. Applications may be obtained by contacting Chapter headquarters (708/636-5819) or from the Chapter website [[www.illinoisashrae.org/otherpgms.htm](http://www.illinoisashrae.org/otherpgms.htm); click on "Other Programs"].

Scholarship winners for 2005-06 will be introduced at the Feb. 7 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.

## HVAC Design Seminars Finish 8-Week Run

Thursday, Nov. 17, was the final night for this year's group attending the annual HVAC Design Seminar Series. It was the eighth weekly class since Sept. 29.

"We had a very interested group of attendees," Dick Hegberg, the program coordinator, said. "All agreed it was an interesting 8 nights. It was all positive," he said.

Hegberg, who is also one of the presenters, said they averaged 26-30 attendees each night.

The Illinois Chapter is especially grateful to Roy Algrin and ITT Bell & Gossett who once more made their "Little Red Schoolhouse" in Morton Grove available for the program.

The chapter also thanks all of the presenters who conducted each night's

instruction. They are: Mark Hegberg of ITT Bell & Gossett, Bill Paschal of Sargent & Lundy Engineers, Kyle Schultz of Air Products Equipment Co., and Rick Van Seters of H.A. Phillips Refrigeration.

Hegberg said the popular 8-week program will undoubtedly return next year.

## ASHRAE and ARI to Cooperate In Standards Development

The Air-Conditioning and Refrigeration Institute (ARI) and ASHRAE have approved a new cooperative agreement for standards development that reinforces their long-running alliance.

Preserved and formalized in the agreement is one of the tenets of the ASHRAE-ARI relationship — that ASHRAE develops methods of testing standards that describe how to perform product testing, while ARI develops rating standards that specify rating conditions and details on how to rate performance of products using those tests.

The agreement clarifies that where there is a published ARI rating standard, the ARI rating standard is the appropriate place for inclusion of the product performance rating conditions. Likewise, where there is a published ASHRAE method of testing standard, the ASHRAE standard is the appropriate place for inclusion.

Currently, nearly 50 ARI rating standards reference and require the use of corresponding ASHRAE method of testing standards with a number of others currently under development at ASHRAE and ARI.

Three Professional Development Hours (PDH) can be earned by attending this meeting.

We hope that you join us **Dec. 6th, 11:30 a.m. to 2:30 p.m. (11 a.m. check-in)** at the Parthenon Restaurant in Chicago's Greektown. Complementary valet parking is available. Lunch will be served.

Get your advance reservation in early by calling our **24-hour reservations hot line at (708) 636-3604**. Attend the lunch and seminar for only \$25.

## Illinois Chapter ASHRAE 2005-2006

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"The Chapter Cannot Act for the Society"

## Volunteers Are Needed For ASHRAE Winter Meeting in Chicago

If you have not already done so, please mark your calendar for the ASHRAE Winter Meeting, Jan. 21-25, which will be held in Chicago. The technical sessions, tours and other events are all posted on the ASHRAE website (www.ashrae.org). Go to the link for full details.

The Illinois Chapter, which will again act as hosts, is looking for volunteers to assist in a number of capacities. Volunteers are needed to serve as:

**Technical session monitors** — Check badges, assist with audio-visual setup. Several volunteers will be needed. Contact Mike Moxon, mmoxon@victaulic.com, or John Hill, jhill2@trane.com.

**Welcome desk greeters** — Meet and greet people who come to the Winter Meeting. For information, contact Kathy Langelund, 847/941-5945, or kathleen.langelund@sbt.siemens.com.

**Companion tour volunteers** — Help with coordination of companion/spouse tours. Spouses of members are welcome as volunteers. Contact Tom McNamara, 847/573-1717, tom\_mcnamara@lmconsultants.com.

**Companion lounge volunteers** — Meet and greet companions and spouses of members and assist with other tasks in the lounge, as needed. Contact Dick Hegberg, 773/775-2469, hegberg@aol.com.

Unlike other volunteer efforts, you can reap some real rewards by helping with this event, not the least of which is gaining free admission to the ASHRAE Winter Meeting, a \$490 value!

The Society is also looking for **corporate sponsors** for the 2006 Winter Meeting. The Illinois Chapter Host Committee is offering companies a new marketing opportunity as banquet sponsors. Several levels of sponsorship are available. For more information, contact Mike Kuk, 312/238-9595, kuk@ghpc.org.

## ASHRAE Launches Engineering for Sustainability Effort

ASHRAE has launched a new campaign emphasizing its role as “the engineering engine that drives sustainability.”

As part of ASHRAE’s stronger focus on its involvement in green buildings, the Society has introduced a new logo, theme, Engineering for Sustainability, and Website, www.engineeringforsustainability.org. These will be used to identify ASHRAE products and services related to sustainability.

“ASHRAE has long provided ‘engineering for sustainability’ by applying its diverse technology assets to the sustainability movement in energy efficiency, indoor environment and industrial processes,” Ron Jarnagin, chair of a committee developing a roadmap for sustainability for the Society, said. “With growing focus in the industry on the green movement, we need to emphasize that ASHRAE is the engineering engine that drives sustainability.”

Jarnagin noted that the Society’s recent efforts include publishing and working on the Advanced Energy Design Guide series, Standard 90.1, which contains a section guiding designers on how to meet requirements for building rating programs, and the ASHRAE GreenGuide, all part of an ASHRAE green “toolkit.”

Sustainability also is addressed through other standards and special

publications, ASHRAE Journal articles, ASHRAE Learning Institute courses and in the ASHRAE Handbook.

Opportunities for involvement in shaping ASHRAE’s sustainability future include technical committees and local chapters.



## Positions Available

**Mechanical Engineer** — Responsible for reporting on the MEP/Fire Protection components and systems of buildings for property condition reports to clients. Contact Robert A. Eckland, Eckland Consultants Inc., 75 Tri-State International, Suite 100, Lincolnshire, IL 60069. Phone: 847/948-0100. E-mail: beckland@eckland.com.

**Mechanical Engineer** — Associate Position Available. Registered P.E. with a minimum of 10 years experience in preparation of working drawings for multi-family mid-rise and high-rise residential buildings, food stores, schools, hospitals, police and municipal buildings and miscellaneous commercial projects. Applicant must be proficient in specification writing, site inspections, engineering reports and client contacts. Unlimited future potential with all benefits including profit sharing, healthcare and other professional perks. Loop office location. Contact Ron Cohen, Melvin Cohen and Associates Inc., at: phone (312) 663-4181; fax (312) 663-4161; e-mail: melcohen@xnet.com.

### Illinois Chapter ASHRAE Event Sign-up Form

Please sign me up for the following event.

Dec. 6 lunch meeting (\$25)

Name \_\_\_\_\_ Company \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_ E-mail \_\_\_\_\_

My check payable to Illinois Chapter ASHRAE is enclosed.

Please charge my credit card for above event(s).

Credit card type:  American Express  MasterCard  VISA

Credit card number: \_\_\_\_\_

Expiration Date \_\_\_\_\_

Signature \_\_\_\_\_

Fax credit card charges to Illinois Chapter, (708) 636-5847. Mail checks with form to P.O. Box 42-8020, Evergreen Park, IL 60805-8020.

## **Other Educational Opportunities for the Engineering Community**

**December 3, 10:00 a.m. - 12:00 p.m.,** *Environmentally Responsible Remodeling.* Learn the ins, outs and how-tos of planning a remodeling project that recycles and reuses existing building materials while increasing the home's comfort. Bring your project questions and plan sets for group discussion. (2 PDHs)

**December 8, 6:00 - 8:00 p.m.,** *Hiring and Qualifying a Green Contractor for Professionals.* How do you know if you are hiring the right contractor for your green remodeling project? What questions should you ask? Where should you look? Join us for an informative discussion and

review some projects that you might be considering. (2 PDHs)

**December 13, 6:00 - 8:00 p.m.,** *The Sullivan Residence: A Green Building Case Study for Professionals.* The Sullivans renovated their four-flat home using the latest in green building technology. George Sullivan, Eco Smart Building, will talk about his holistic approach to green renovations including project planning, energy efficiency strategies, building site capacity, construction recycling, reducing the building footprint on the urban environment, and many other lessons learned from this project. (2 PDHs)

*The Chicago Dept. of Environment conducts the above free seminar. Pre-registration is required at (312) 746-9642 or e-mail [greentech@cityofchicago.org](mailto:greentech@cityofchicago.org). Web: [www.cityofchicago.org/Environment/Greentech](http://www.cityofchicago.org/Environment/Greentech).*



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