



# The HVAC&R Industry

A weekly eNewsletter from ASHRAE



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Advancing HVAC&R to Serve Humanity and Promote a Sustainable World

*The HVAC&R Industry*, ASHRAE's free weekly eNewsletter for HVAC&R professionals, provides relevant, timely information about industry and technology for people who create healthy, comfortable indoor environments.

## Industry News

### 2009 Innovation Awards Winners Named

WESTPORT, Conn.—Honorees for the 2009 Innovation Awards have been named. The nine winners were selected by a panel of ASHRAE members from more than 100 eligible entrants. Winners were chosen in nine categories representing important specialty areas within the HVAC&R Industry. Twenty-seven products received honorable mention. The Innovation Awards recipients will be honored Jan. 27 at 1 p.m. during the 2009 AHR Expo in Chicago. The annual awards program is sponsored by ASHRAE; the Air-Conditioning, Heating, and Refrigeration Institute (AHRI); and International Exposition Company (IEC).

### ASHRAE Opens Green Building Standard Committee to New Membership

Membership of the committee developing proposed standard 189.1P is being reconstituted, with ASHRAE Presidential Member Kent Peterson, P.E., named as chair. Proposed Standard 189.1 is intended to set minimum requirements for the design of high-performance new commercial buildings and major renovation projects. It is being developed by ASHRAE, the Illuminating Engineering Society of North America (IESNA) and the U.S. Green Building Council (USGBC). A call for members is open through Dec. 4.

### Pickens Delays Wind Farm Plan

PHOENIX—Billionaire T. Boone Pickens is delaying his plans to build the world's largest wind farm. Pickens said that his proposed 4 MW Texas wind farm is on hold because natural gas prices have dropped. He said that until natural gas prices rise, his wind farm and most others in the country will not go forward because electricity from gas plants will be more economical. Still, he was confident prices would rise.

### Wall Street Collapse Pushes Math, Science Grads to Engineering

DURHAM, N.C.—The global market crash and the contraction of the financial sector has dramatically changed the decision process for tens of thousands of promising math and science graduates, according to an article on BusinessWeek.com this week. Students who in years past would have flocked to Wall Street for high-paying jobs at financial companies are considering careers in engineering and technology. Graduates of specialized programs such as engineering management now are increasingly considering traditional engineering as careers.

### Interest Growing in Manhattan's Geothermal Potential

NEW YORK—Streams of water run deep in the earth below Manhattan at a constant temperature of 65°F (18°C), a source of energy that seems beyond exhaustion—and

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beyond reach. However, eight months ago, a seminary in Chelsea began to pump water from those streams to heat its buildings in the winter and cool them in the summer. The seminary is one of about 60 places in Manhattan that are now taking advantage of the area's geological suitability for geothermal energy.

#### ASHRAE News

##### **ASHRAE Seeks Distinguished Lecturers, Award Nominations**

Dec. 1 is the deadline for the receipt of ASHRAE Distinguished Lecturer nominations. The ASHRAE Distinguished Lecturer program provides ASHRAE chapters, student branches, and other organizations with lecturers equipped to speak on relevant subjects. Dec. 1 is also the deadline for receipt of nominations for several ASHRAE honors and awards. ASHRAE seeks nominations for the ASHRAE Hall of Fame, the F. Paul Anderson Award, ASHRAE Fellows, the ASHRAE Award for Distinguished Public Service and Honorary Members.

#### Feature of the Week

##### **Vibration Isolation**

**By Robert Simmons, P.E.,** Member ASHRAE

According to the author, all mechanical equipment used in HVAC&R systems vibrate to some degree. Building owners' and tenants' demands for a comfortable and productive workspace, and the increased presence of sensitive, high-tech equipment requires consideration of vibration control issues. This article provides practical vibration isolation theory and installation guidelines.

#### Product News

##### **Facility Network Transceiver From Kele**

MEMPHIS, Tenn.—Kele announces the WLD-900-LR Wireless LonWorks® transceiver. It adds wireless functionality and range to an existing facility network. The transceiver can be used in client/server (one-to-one addressing) or one-to-multipoint applications. It can establish communication from 100 ft to 40 miles (30 m to 64 km) using a higher gain antenna.

##### **Industrial Ceiling Fans From AirMotion Sciences**

HOLLISTON, Mass.—AirMotion Sciences offers the AltAir High Volume—Low Speed (HVLS) line of industrial ceiling fans. The 9 ft to 15 ft (2.7 m to 4.6 m) diameter fans feature the company's MultiMode Control Capability. This allows the fan to automatically use a certain speed, pitch, and startup and shutdown intervals based on the mode selected.

##### **Wireless Environment Monitor From Spinwave Systems**

WESTFORD, Mass.—Spinwave Systems introduces a field kit for monitoring a building's energy efficiency and indoor air quality and to transmit the information wirelessly for on-site and remote energy measurement. It wirelessly monitors energy use, IAQ, temperature, RH and equipment current consumption.

#### Subscription Management

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) is an international membership organization founded to advance the arts and sciences of heating, ventilation, air conditioning, refrigeration and related issues.



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