



Mississippi Valley Chapter Newsletter

May 2009

<http://www.mississippivalleyashrae.org>

Monthly Newsletter

Important Dates

• **May 7-9, 2009**

Region VI Conference –
Des Moines

• **May 15, 2009**

Government Activities,
Technology/Engineering
Award Deadlines

• **May 21, 2009**

Chapter Meeting -
Elections

• **June 1, 2009**

Dan Mills Technical
Award Deadline

• **June 5, 2009**

Golf Outing

Energy Recovery, Codes and Standards

BRIAN K. KAMMERS

A Professional Engineer license in Wisconsin, Brian has over 25 years of experience in the HVAC industry. He started his career at the Trane Company performing energy analysis and introducing software tools to consulting engineers. That experience in software carried over into the CAD industry where he was responsible for CADD software serving the needs of mechanical consulting engineers.

While a Program Manager at Johnson Controls, he was responsible directing product development and implementing marketing strategies for building automation products. During that time, he wrote a number of articles regarding open protocol and control integration.

His experience also includes the application of frequency drives, CFD software, and the sale and distribution of residential HVAC products.

A member of ASHRAE since 1981, he has participated in on the BACnet Committee and the Computer Applications Technical Committee. Currently he is a Regional Manager for AAON, Inc. covering the Midwest.

May 21st Program

Location: The SteepleGate Inn
Symposium Room
100 W 76th St
Davenport, IA

Program: Energy Recovery, Codes &
Standards

Agenda: 4:30-5:30 Program
5:30-5:45 Meeting at SteepleGate
5:45-6:45 Dinner at SteepleGate

Menu:

CRC and Chapter Awards

CRC is fast approaching as well as the deadlines for the regional and national awards. Please contact Jon Bovenkamp with questions or for applications. Regional deadlines are May 15th and June 1st. Please consider applying as these awards are an excellent way to showcase our local chapter and activities.



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ASHRAE News

ASHRAE Publishes Risk Management Guideline

ASHRAE Guideline 29-2009, *Guideline for the Risk Management of Public Health and Safety in Buildings*, provides guidance for the practical evaluation, design and implementation of measures to reduce risks in new and existing buildings. The risks covered include fire, seismic events, chemical and biological releases, explosions and other extraordinary hazards.

<http://www.ashrae.org/pressroom/detail/17120>

CLIMA 2010 World Congress Issues Call for Papers

The CLIMA 2010 World Congress is seeking papers on topics related to sustainable energy in buildings. Organized every four years by the European Federation of Heating and Ventilating Associations (REHVA) and endorsed by ASHRAE, the Congress takes place May 9–12, 2010, in Antalya, Turkey. Abstracts are due by June 30, 2009.

<http://www.clima2010.org/> for conference information and to submit abstracts.

ASHRAE Launches Career Web Site for HVAC&R Professionals

URBANDALE, Iowa—ASHRAE is developing an online Career Center for HVAC&R engineering professionals. The ASHRAE Career Center is intended to provide a location for professionals to research career opportunities, including employer profiles and specific job postings. Professionals will also be able to post their resumes into a database. ASHRAEjobs.com is scheduled to launch June 15. Employers and job seekers may visit the site now to register for e-mail updates.

<http://images.ashrae.biz/redirect/?url=1332> to register an e-mail address at ASHRAEjobs.com.

Digital Journal

http://www.nxtbook.com/nxtbooks/ashrae/ashraejournal_200904/#/0

Digital Insights

http://www.nxtbook.com/nxtbooks/ashrae/ashraeinsights_200904/index.php

Industry News

Citi Builds LEED® Platinum Data Center

FRANKFURT, Germany—Citi has opened a 230,000 ft² (21 000 m²) data center here that it says is the first data center to earn LEED® Platinum certification from the U.S. Green Building Council (USGBC). The financial services company says the new data center consumes only 30% of the power required for a conventional data center. According to Citi, the facility incorporates a 63% free-cooling rate. Other features include a vegetative roof, an enhanced CRAC unit design that reduces power consumption, modular cabinets and reduced water use. Citi says the facility was built for about the same money as more conventional data centers.

<http://images.ashrae.biz/redirect/?url=1336>

Tip for Airlines: Don't Turn Off AC

TULSA, Okla.—Some Mexico-bound travelers are postponing or canceling their plans and airlines serving the country are taking medical precautions to avoid transmission of the swine flu. Byron W. Jones, Ph.D., Fellow ASHRAE, in an interview with the *Tulsa World*, gave advice found in ASHRAE Standard 161, *Air Quality Within Commercial Aircraft*, on mitigating airline contamination problems. Don't turn off the aircraft heating, ventilation and air-conditioning systems while the plane is at the gate or awaiting takeoff, he said. Because of the high passenger density in aircraft cabins, contaminant levels can increase rapidly if ventilation is shut off.

<http://images.ashrae.biz/redirect/?url=1337>

Study Finds Health Hazards at Ice Rinks

BRISTOL, Conn.—Indoor ice arenas with poorly maintained ice-resurfacing machines and inadequate ventilation create potentially dangerous health hazards, according to an investigation by ESPN news program "E:60." The investigation found that in the past six months, nearly 200 people have been sickened by carbon monoxide, nitrogen dioxide and ultrafine particles emitted from poorly maintained ice resurfacing machines.

<http://images.ashrae.biz/redirect/?url=1338>

Europe Moves Up Deadline for 'Greener' Automobile AC

LONDON—The European Commission recently ruled that a 2006 law, the mobile air-conditioning directive (MAC), will become effective in 2011 rather than 2017 as the European automotive industry has wanted. Automakers cite economic problems in producing sustainable technologies and fuel-efficient vehicles. The Commission says that refrigerants used in current air-conditioning systems in most European cars have a global warming potential much higher than the 150 set by the MAC law.

<http://images.ashrae.biz/redirect/?url=1339>

Regional Credits Added to New Version of LEED®

WASHINGTON—The U.S. Green Building Council (USGBC) has added LEED® regional credits to LEED 2009, the new version of the LEED Green Building Rating System. LEED regional credits encourage specific regional environmental priorities be addressed in the design, construction and operations of buildings in different geographic locations. "Regionally specific credits give LEED a way to directly respond to diverse, regionally grounded issues," said Brendan Owens, a USGBC vice president.

<http://images.ashrae.biz/redirect/?url=1340>

World's Tallest Building Opens in September

MOSCOW—The world's tallest building will be opened to the public in the United Arab Emirates in September, a construction company spokesperson told the Russian state news agency. Burj Dubai currently stands at 2,560 ft (780 m). However, the final height of the building has not been confirmed. Reportedly, the building could reach 3,280 ft (1,000 m) by September.

Study Finds Link Between Asthma, Obesity and AC Use

COLUMBIA, Md.—Increases in asthma and obesity in the U.S. correlate with the nation's increased use of central heating and air conditioning, according to a recent study. The study by the National Center for Healthy Housing analyzed relationships between health status and housing quality over a 30-year period. The researchers postulated that increased thermal comfort inside air-conditioned homes can encourage residents to remain indoors. Sedentary habits can lead to obesity, and spending many hours in a poorly ventilated home can increase the chances of developing asthma.

<http://images.ashrae.biz/redirect/?url=1327> to read the report.

EPA Formally Declares 6 GHGs as Dangerous

WASHINGTON—The U.S. Environmental Protection Agency (EPA) has formally declared carbon dioxide and five other greenhouse gases to be pollutants that endanger public health. The ruling sets in motion a process that will lead to the regulation in the U.S. of the gases, which include HFCs. The April 17 ruling initiated a 60-day comment period before any proposals for regulations governing emissions of heat-trapping gases are published.

<http://images.ashrae.biz/redirect/?url=1328>

World Trade Center Project Won't Be Fully Occupied Until 2037, Says Study

NEW YORK—The buildings intended to replace the World Trade Center won't be fully built and occupied until 2037, according to a new study. Delays that have plagued the site could drag on, pushing back the project's completion nearly a generation, said a marketing analysis prepared for the Port Authority of New York and New Jersey. The study predicts that the site's centerpiece, the 1,776 ft (541 m) 1 World Trade Center, won't be filled with tenants until 2019. Ground will be broken on other skyscrapers in the project as late as 2026, with full occupancy of the buildings taking several years after their completion.

<http://images.ashrae.biz/redirect/?url=1329>

AC Said To Ensure Optimum Sleep

MANILLA, Philippines—Samsung says its new air conditioner can determine a person's skin temperature and then maintains a specific room temperature range to ensure optimum sleep. The product is based on studies by the National Bukyong University in Korea, which found that the skin temperature needs to be 94°F–96°F (34.5°C–35.5°C) for the body to feel relaxed. A microchip in the Vivaldi split-system air conditioner monitors skin temperature and adjusts the cooling rate to ensure relaxation through three stages of sleep: falling asleep, sound asleep and waking up.

<http://images.ashrae.biz/redirect/?url=1330>

'Horizontal Skyscraper' Being Built in China

SHANGHAI, China—A 650,000 ft² (60 000 m²) "horizontal skyscraper" is being built in Shenzhen, China. If its longest end were stood vertically, it would be as tall as the Empire State Building. However, lying horizontally it is only 115 ft (35 m) tall. Due to be finished in 2010, the building will be the new headquarters for real estate developer China Vanke. It will also house private residences and a hotel. The Vanke wing is intended to qualify as the first LEED® platinum building in China.

<http://images.ashrae.biz/redirect/?url=1331>

Local Items

2009 CRC Hosted by the Iowa Chapter of ASHRAE

Dates: May 7th - 9th, 2009

Location / Hotel:

Hotel Fort Des Moines

Des Moines, IA 50309

Registration: https://echapter.ashrae6.org/crc_registration.php

Big Brothers and Big Sisters

Building for the Future: Opening their eyes to the possibilities!

When did you realize you had an interest in building things or understanding how things work? Who embraced your excitement for math and science and gave you the opportunity to explore these interests?

We all remember someone other than our parents who singled us out, who took the time to give us special attention. They motivated us, inspired us, and shared with us a path to success.

Big Brothers Big Sisters is partnering with the Putnam Museum and Imax Theater and area professionals to bring math and science to life for area at-risk youth. The partnership will utilize Big Brothers Big Sisters' nationally recognized one-to-one mentoring process to match professionals from the math and science industry in a one-to-one mentoring relationship with children who have exhibited an aptitude and interest in this field.

The matches will be supported by a combination of Big Brothers Big Sisters expertise in supporting one to one matches and the Putnam's expertise and ability to bring meaningful, innovative and hands on educational opportunities. The Putnam has compiled a package of opportunities which will give matches the ability to explore common interests and bring concepts and theory life!

The Putnam will provide each match with a free one year membership. In addition, the Putnam will provide special access to traveling exhibits and special Imax screenings to our matches. Finally, matches in this program will participate in special math and science educational opportunities coordinated by the Putnam's talented staff.

The children will be specially selected for this program based upon their interest and aptitude in the math and science area. The children, their parents and participating volunteers will complete a screening process that will assist in finding the most compatible adult/child match.

Once a compatible match has been formed, the mentor agrees to allocate between 6 and 10 hours a month to the match relationship through one-to-one and group activities. Experiences can include activities with the mentor's family, organized activities hosted by the Putnam or Big Brothers Big Sisters, other community events and one-to-one activities planned by the mentor and child.

Mentoring has proven to help children gain a level of self confidence that will inspire them to strive to make good decisions, and live a positive and successful life. The partnership with the Putnam Museum and Imax Theater will give Bigs the opportunity to expose their Littles to the world of math and science. This journey of exploration will open their eyes to the possibilities and motivate them to pursue and achieve their dreams. It's also a lot of fun!

2008-2009 Officers/Board of Governors

<i>President:</i>	<i>Andrew Price</i>
<i>Vice President:</i>	<i>Patrick Igou</i>
<i>Treasurer:</i>	<i>Simon Possin</i>
<i>Secretary:</i>	<i>Jake Vorac</i>
<i>Past President</i>	<i>Jim Nonnenman</i>
<i>Member at Large:</i>	<i>Erick Granzow</i>
<i>Member at Large:</i>	<i>Brian Hodgins</i>

2006-2007 Committee Chairs

<i>CRC Delegate:</i>	<i>Patrick Igou</i>
<i>CRC Alternate:</i>	<i>Simon Possin</i>
<i>Historian:</i>	<i>Sherm Sweeney</i>
<i>Membership:</i>	<i>Tracy Van Damme</i>
<i>Programs:</i>	<i>Patrick Igou</i>
<i>Resource Promotion:</i>	<i>Jim Nonnenman</i>
<i>Seminar:</i>	<i>Bruce Davis</i>
<i>Student Activities:</i>	<i>Alyssa Price</i>
<i>CTTC:</i>	<i>Jon Bovenkamp</i>
<i>Webmaster:</i>	<i>John Schaub</i>

Check-out the Updated Chapter Website at:

www.mississippivalleyashrae.org



Mississippi Valley Chapter
ASHRAE
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Moline, Illinois 61265