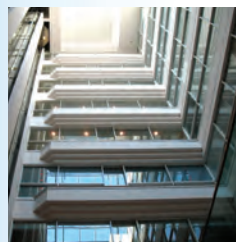


ASHRAE Events Catalog 2012

Inside—Learn more about upcoming conferences, educational opportunities and the ground source heat pump systems webcast!



Earn PDHs at Conferences and Events in 2012

High Performance Buildings Conference — A Focus on Deep Energy Savings

March 12–13, 2012 | San Diego, CA

This conference focuses on substantial reduction of energy use in the built environment and provides a unique opportunity for dialog among participants about current energy saving efforts, best practices and what is needed to accomplish these goals.

Gain knowledge of how applying high performing equipment and operational practices has the potential to reduce, or eliminate a need for external energy sources for some buildings while maintaining quality indoor environments.

The conference will address topics including:

- Applications results
- Energy audits
- Commissioning
- Benchmarking of utility consumption
- Economics
- Design and construction
- Energy efficiency measures

Learn from case studies from different regions and hear from policy and decision makers about updates, forecasts and legislation programs likely to impact them on the job.

Pre-conference Professional Development Seminar on
“Implementing Standard 189.1-2009 for High-Performance Green Buildings” Sunday, March 11, 2012 9:00am–4:00pm
Registration: \$485 (ASHRAE, USGBC and AIA Members: \$395)



To register for the conference, visit www.ashrae.org/HPBConference

Registration

\$650 (ASHRAE, USGBC and AIA Members: \$550)

The conference is approved for AIA LUs, NY PDHs and GBCI credits for LEED APs.

Presented by:



ASHRAE thanks the following sponsors for their support of the High Performance Buildings Conference:



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ASHRAE 2012 Annual Conference

June 23–27, 2012 | San Antonio, TX

The “Alamo City” is home to 1.3 million people, and in June, San Antonio will be the home of the ASHRAE Annual Conference. Known for its famed River Walk and historical landmarks, San Antonio is the ideal city to bring together professionals from all over the world.

The headquarters for the conference is the Grand Hyatt San Antonio downtown on the River Walk, where meetings of standard and technical committees take place. The Convention Center, adjacent to the hotel, serves as the venue for ASHRAE registration, the bookstore, speaker’s lounge, all technical sessions and some technical committee meetings.



Technical Program

The technical program in San Antonio will be divided into seven tracks that include:

- HVAC&R Systems & Equipment
- HVAC&R Fundamentals and Applications
- Integrated Energy Systems
- Building Modeling Applications
- Refrigeration Applications
- Indoor Environmental Applications
- Integrated Building Controls

Welcome Party

The Welcome Party in San Antonio is Saturday night at the Buckhorn Saloon and Museum, where former U.S. president Teddy Roosevelt recruited Rough Riders, and Pancho Villa is rumored to have planned the Mexican Revolution.

The Welcome Party menu includes Texas brisket poor boy sandwich station, grilled chicken rattlesnake pasta, shrimp Vera Cruz and blue ribbon dessert table featuring homemade Texas pecan cookies.

Special Tour of the Alamo

At 6 p.m. Monday, June 25, join your ASHRAE colleagues for a private tour of the Alamo. More than 2.5 million people a year visit the 4.2 acre complex known worldwide as “The Alamo.” Most come to see the old mission where a small band of Texans held out for 13 days against the Centralist army of General Antonio López de Santa Anna. Although the Alamo fell in the early morning hours of March 6, 1836, the



Remember the Alamo!



death of the Alamo Defenders has come to symbolize courage and sacrifice for the cause of Liberty. Just a short distance from the River Walk, the Alamo is a “must see” for all who come to San Antonio.

Members Night Out

Finish out the conference with Members Night Out on Tuesday, June 26, with a celebration of a special performance of Fiesta Noche del Rio, which is the longest-running open-air musical revue of its kind in the U.S. It is a professionally produced, fast-paced and colorful outdoor show performed in seven acts featuring beautifully costumed dancers and singers with lively music from Mexico, Spain, Argentina and Texas.

An abbreviated version of this nationally known production featuring a professional cast of musicians, singers and dancers will perform following dinner at Member’s Night Out at the Grand Hyatt.

Weather

June in San Antonio is hot, with average highs around 90 degrees and lows near 70. Pack lightweight clothing and sunscreen.

Getting Around

Downtown San Antonio is made for walking, with a compact layout that makes for easy strolls between restaurants, top sights and along the River Walk. For trips across town, take the streetcar, an open-air reproduction of a rail streetcar that traveled the streets of San Antonio in the 1950s. Four streetcar routes feature stops at such venues as the Alamo, the Spanish Governor’s Palace, La Villita, Sunset Station and the downtown shopping district. A one-day pass is good for unlimited rides on all buses and streetcars and costs \$4. Another option is the River Taxi, with stops at 39 locations along the River Walk. Rio Tax Service operates from 9 a.m to 9 p.m. daily and a 24-hour day pass is \$10. Conventional taxi service is also available. Approximate fares from the airport to downtown, not including tips, range from \$24-\$26.





www.ashrae.org/sanantonio

ASHRAE's Energy Modeling Conference— Tools for Designing High Performance Buildings

October 1–3, 2012 | Atlanta, GA

The conference will guide building design professionals about what does and does not work when using currently available modeling tools to design and analyze buildings and their energy using systems.

“The conference will provide the design professional with ‘workarounds’ that may be applied to improve the results of their modeling results when their modeling tool of choice may not be capable of modeling some of the more unique or hybrid buildings or energy using systems being used in high performance buildings today,” Dennis Knight, conference chair, said.

With a focus on case studies and real world examples, the conference will allow an exchange of ideas among design professionals and software developers to facilitate understanding of current modeling tools and their capabilities and limitations and identify the need for new tools and improvements to existing modeling and simulation tools. The conference will guide design professionals toward developing in-house modeling checklists and quality control procedures to improve their competence and confidence in making decisions and recommendations based on modeling in their day-to-day practices.

Building on the successful Energy Modeling Conference format in April 2011, this conference will begin with an interactive session with modeling software developers presenting common modeling scenarios on how their specific software can model a scenario, whether there are any limitations and what might be the best work around an exceptional modeling practices to obtain acceptable results when the tool cannot model the scenario out-of-the-box.

The conference will address case studies and actual projects and how they were analyzed and designed using modeling tools as well as integrated and interoperable modeling tools to best optimize buildings and energy-using systems, including:

- HVAC load analysis
- Energy modeling
- Side-by-side software provider presentations on their ability to address specific modeling system types and applications and energy simulation programs
- Code and standards compliance issues
- Energy Star, LEED® and other high performance building guidelines’ impacts on models
- Innovative system modeling: chilled beams, water source heat pumps, renewables, variable refrigerant flow, cogeneration, labyrinths, electronically commutated motors
- Integration of analytic modeling tools with building information modeling
- Exceptional modeling techniques for when tools just do not work
- Simplified and rapid modeling techniques that may be applied for early analysis.
- Integration of daylighting, computational fluid dynamics and other exceptional modeling techniques and results into HVAC simulations
- Life cycle cost analysis

2012 ASHRAE/NIST Refrigerants Conference: Moving Towards Sustainability

National Institute of Standards and Technology (NIST)
October 29-30, 2012 | Gaithersburg, Maryland

The conference will address continuing international concerns about the adverse environmental impacts of refrigerants with high ozone depletion potential (ODP) and greenhouse warming potential (GWP), which is inevitably leading to increased focus on low-GWP fluorochemical alternatives including new generations of unsaturated fluorochemicals, with continued examination of “natural” refrigerants.

This is the fourth jointly-sponsored conference between ASHRAE and NIST. Past conferences provided information and updates on the phase out of chlorofluorocarbon (CFC) refrigerants such as R-12, and better use/management of hydrochlorofluorocarbon (HCFC) refrigerants like R-22.

This conference will provide an opportunity for participants to learn about the latest information on alternatives, likely time schedules, transition requirements, environmental effects of refrigerants, and what will be required to phase-out the use of high-GWP refrigerants with alternatives and other technologies.

This conference will include invited (peer reviewed) papers covering the latest developments on refrigerant options including:

- Status of current environmental, scientific and regulatory activities
- Potential applications for “natural” refrigerants
- Technical developments on new low-GWP fluorochemical refrigerants
- The opportunities for reducing refrigerant emissions
- Alternative heating/cooling technologies

Panel discussions by industry experts will be included at the end of each day. The focus of the conference will be on technical issues and longer term forecasts for success. Presentations on proprietary or undisclosed formulations of alternatives will not be allowed.

Dedicated Outdoor Air Systems: A Path to Balancing Energy and IEQ

April 19, 2012 | 1:00–4:00 EDT



Hear leading experts discuss the role of Dedicated Outdoor Air Systems in the overall HVAC system and describe various DOAS equipment configurations, characteristics, and applications. This webcast will identify common design and operational pitfalls, and cover challenges unique to DOAS.

The Presenters

- Ronald “Ron” Jarnagin
2011–12 ASHRAE President
staff scientist | Pacific Northwest National Laboratory
Richland, Wash.
- Tim McGinn, PEng., LEED®
Principal | Dialog | Calgary, AB, Canada
- Stanley A Mumma, Phd., PE.
Professor Emeritus | Pennsylvania State University
University Park, PA
- John Murphy, LEED® AP
Applications Engineer | Trane | La Crosse, WI

How to Participate

- You may register to view the Webcast on your PC
- You may host a webcast site for your colleagues
- View the webcast at a site

Three (3) Professional Development Hours or three (3) AIAP Learning Units may be awarded to viewers who complete the “Participant Reaction Form” by May 3, 2012.

ASHRAE thanks the following sponsors for their support of the DOAS Webcast:



This **FREE webcast** is brought to you by the Chapter Technology Transfer Committee and sponsored by RotorSource.

For more information on the webcast program, presenters, continuing education credits, sponsorships, and heat pumps resources please visit us at **www.ashrae.org/DOASwebcast**.

On-line registration for begins March 19, 2012 at **www.ashrae.org/DOASwebcast**.

If you have any questions, call 678-539-1200 or email ashrae-webcast@ashrae.org

**Earn
PDHs!**

7th International HVAC Cold Climate Conference

November 12–14, 2012 | Calgary, AB, Canada

ASHRAE, along with industry colleagues from around the world of HVAC, architecture, interior design and building construction, will host the 7th International HVAC Cold Climate Conference, November 12-14, 2012 in Calgary, Alberta, Canada.

The principal objective of Cold Climate HVAC 2012 is to provide key elements of a strategy by which scientists, designers, engineers, manufacturers and other decision makers in cold climate regions can achieve good indoor environmental quality (IEQ), with a minimum use of resources and energy.

The Scandinavian Federation of Heating, Ventilation and Sanitary Engineering Associations (SCANVAC) initiated the series of Cold Climate HVAC Conferences. The six previous conferences have been successfully organized in Rovaniemi, Finland in 1994, Reykjavik, Iceland in 1997, Sapporo, Japan in 2000, Trondheim, Norway in 2003, Moscow, Russia in 2006 and Sisimiut, Greenland in 2009.

The series of congresses have earlier been supported by national HVAC societies, REHVA (a Federation of 26 European HVAC associations consisting of 110,000+ engineers) and ASHRAE. International delegates have been attending this educational conference to share best practices for cold climate design and construction.

The conference features keynote speakers, peer-reviewed papers, an international audience and social events.

ASHRAE thanks the following sponsors for their support of the HVAC Cold Climate Conference:



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Upcoming ASHRAE Conferences

2012

Jun 23-27, 2012 - San Antonio

AHR Expo-Mexico

Sept. 25-27, 2012 – Monterrey, Mexico

2013

Jan 26-30, 2013 – Dallas

Jun 22-26, 2013 – Denver

2014

Jan 18-22, 2014 - New York

Jun 28-July 2, 2014 - Seattle