

Denver Meeting Information

DATE: Wednesday, May 7, 2014
TIME: 5:30 PM – Registration
 6:30 PM – Dinner
 7:00 pm – Program Begins
LOCATION: Dave & Busters
 2000 South Colorado Blvd
 Denver, CO 80222
RSVP: www.RockyMTNASHRAE.COM
COST: \$25 Rocky Mtn Chapter Members
 *Reservation made by 5:00 PM on Monday
\$35 Non-members and late reservations
 \$20 Students

Fort Collins Meeting Information

DATE: Wednesday, May 7, 2014
TIME: 12:00 Registration/Program Begins
NEW LOCATION: 200 Matthews St. Fort Collins
 (Use back door)
RSVP: Mike Fulton
mfulton@westernmechanicalsolutions.com
COST: \$10 Rocky Mtn Chapter Members

“HVAC Acoustic Strategies for Indoor & Outdoor Applications”

Acoustics is not always considered on every project but is present on every project. That is not to say that it is an issue on every project but should receive a cursory review to determine if it needs to be addressed. In this discussion we’ll look to address a few of the common noise makers on projects. The discussion will begin with a short focus on basic acoustic terminology (e.g. Sound Pressure versus Sound Power, dBA, relative loudness, etc...). We then proceed into practical and feasible solutions for treating air and water-cooled chillers and rooftop units with general rules of thumb reductions and other design input considerations. We will wrap up with a discussion on common specification strategies and why they don’t always provide the desired results and ending with best practice specification strategies.

Brandon Lee Wallace, Southwest Regional Sales Manager of BRD Noise and Vibration Control, Inc. is a graduate of Kansas State University with a B.S. in Chemical Engineering. Brandon started with the Trane Company in 1999 at their Screw and Scroll Chiller Business Unit as a Marketing Engineer after successfully completing the Trane Co.’s Graduate Training Program. During his 7 years at Trane, Brandon held multiple positions in both Domestic and International market segments with responsibilities for executing domestic price/volume/share goals, product support, and management. In 2006, Brandon joined BRD as their Southwest Regional Sales Manager responsible for acoustical design and sales. Brandon lives outside of Wichita, KS with his wife and five children and enjoys hunting and spending time with his family.

This presentation has been registered for 1.0 GBCI Credits

Upcoming Events:

- May 2nd – 22nd Annual Chapter Technical Conference
- June 7th – Kickball Tournament see page 7

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ROCKY MOUNTAIN CHAPTER LOGO POLO ORDER FORM

PRESIDENT'S MESSAGE

Dear Rocky Mountain ASHRAE:

First I would like to thank Dave Dorste from Blender Products for his presentation on “Static Mixing: Economically Addressing Root Cause of Temperature Stratification.”

May is our last meeting of the year. It sure has gone fast. Brandon Wallace with BRD Noise and

Vibration Control, Inc. will be presenting on “HVAC Acoustic Strategies for Indoor & Outdoor Applications”. We will be holding a lunch meeting in Fort Collins and dinner meeting in Denver. For those attending the lunch meeting, please look at this newsletter for the location.

I would like to welcome Eugene Mitchell as our junior board member starting the 2014-2015 year. He has already been involved on the board for the past couple years and done a great job. His first responsibility will be putting together this newsletter each month. Congratulations Eugene!

On June 7th, YEA will be sponsoring our first annual Kickball tournament. This event will be open to everyone, not just YEA members. It would be awesome to see company teams register for this event. I think it will be a lot of fun. More information can be found on our website.

Please mark your calendar for June 16th. That is the date for our annual Golf Tournament at Hiwan. More information on registration or sponsorship opportunities can be found on our website. This is our last big fundraiser of the year and we have another huge research goal to achieve.

I would like to thank you all for making my year as President an exceptional one. Without the incredible support of the rest of the board, I couldn't have pulled it off. I truly believe the Rocky Mountain Chapter is in great hands for years to come. We are always looking for more help, so if you are interested in getting more involved or just curious about what happens “behind” the scenes, come talk to us.

If you have any questions or concerns, please do not hesitate to contact me.

Best Regards,

Jon Rundquist

Chapter President
Rocky Mountain Chapter of ASHRAE

RM ASHRAE is a USGBC/GBCI education provider!

The Rocky Mountain Chapter of ASHRAE is now a USGBC/GBCI education provider. If you would like to have a presentation submitted to the USGBC for LEED AP credentialing credits, please contact Jessie Jones jjones@rmhgroup.com or Michelle Swanson mswanson@rmhgroup.com for more information.

 ASHRAE Rocky Mountain Chapter

 Rocky Mountain ASHRAE

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ROCKY MOUNTAIN BOARD OF GOVERNORS ROSTER

Rocky Mountain Chapter 2013 - 2014

Title/Committee Chair	Name	Email	Phone
President	Jon Rundquist	President@RockyMtnASHRAE.com	303.428.2800
President-elect/Tech Conf.	Jessie Jones	TechConference@RockyMtnASHRAE.com	303.239.0909
Vice President/CTTC Chair	Mike Harrington	CTTC@RockyMtnASHRAE.com	720.221.1078
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Northern Section Chair	Mike Fulton	NorthernSection@RockyMtnASHRAE.com	720.934.8273
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Student Activities	Craig Wanklyn	Student@RockyMtnASHRAE.com	303.421.6655
Sustainable Engineering	Sara Frame	Sustainable@RockyMtnASHRAE.com	303.328.3436
Government Activities	Steve Ferguson	Government@RockyMtnASHRAE.com	303.428.2800
Historian	Ainsley Thrailkill	Historian@RockyMtnASHRAE.com	303.796.6074
Honors & Awards	Eugene Mitchell	Awards@RockyMtnASHRAE.com	303.322.0165
Social Media	Andrew Van Essen	SocialMedia@RockyMtnASHRAE.com	303.257.2642
YEA Chairs	Bryce Buchanan Rachel Romero	YEA@RockyMtnASHRAE.com	719-330-7971 303-886-8254

ASHRAE RESEARCH



Don't Wait, Please Donate for the 2013-2014 ASHRAE Year

Mail Check To:
ASHRAE RESEARCH
 c/o Jessie Jones, The RMH Group
 12600 W Colfax Ave, Suite A-400
 Lakewood, CO 80215

Your contribution puts us closer to achieving our goal. Please send what you can today!

* Individual contributions of \$100 or more and Corporate contributions of \$150 or more receive this year's Commemorative Coin And Honor Roll Contribution status.

Name: _____

Company: _____

Address: _____

Telephone: _____

INDIVIDUAL	\$25.00	\$50.00	\$75.00	\$100.00	Other: _____
CORPORATE	\$75.00	\$100.00	\$175.00	\$250.00	Other: _____


































Or Contact Jessie Jones at: 303-312-4641

THANK YOU Donors!

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- TM Sales

Our goal for this year is to raise \$83,100

ASHRAE RESEARCH DONOR LEVELS AND RECOGNITION

Receives 1 day Meeting Registration*							-----		
Receives 2 tickets to <i>Members Night Out</i> and <i>Welcome Party</i> *									
Presented Commemorative Sculpture									
Individually recognized at President's Luncheon*									
Invited to President's Luncheon*									
Invited to Board of Directors Luncheon*									
Listed on special Display at President's Luncheon*									
Group photo published in spring issue of ASHRAE Insights									
Receives personalized shadowbox plaque							-----	-----	
Listed on RP Display in Registration							-----		
Receives Gold ASHRAE Commemorative Coin & Plaque							-----		
Receives Silver ASHRAE Commemorative Coin & Plaque					-----	-----	-----	-----	
Receives Bronze ASHRAE Commemorative Coin & Plaque				-----	-----	-----	-----	-----	
Receives Antique ASHRAE Commemorative Coin & Plaque			-----	-----	-----	-----	-----	-----	
Receives blue desktop coin holder		-----	-----	-----	-----	-----	-----	-----	
Listed in annual <i>Investor Honor Roll</i>									
	Honor Roll Donor** \$150-\$249	Major Donor – Antique \$250-\$499	Major Donor – Bronze \$500-\$999	Major Donor – Silver \$1000-\$2499	ASHRAE Associate \$2500-\$4999	ASHRAE Partner \$5000-\$9999	Golden Circle Donor \$10,000 - \$19,999	Platinum Circle Donor \$20,000+	

* ASHRAE Winter Meeting

** Individual Honor Roll Donor begins at \$100

SUSTAINABLE ENGINEERING COMMITTEE

March Meeting

DATE: 3/26/2014

TIME: 12PM – 1PM

LOCATION: Eaton Energy Solutions
143 Union Blvd, Ste 350
Lakewood, CO 80228

RSVP: Sara Frame
sustainable@rockymtnashrae.com

The Sustainable Engineering Committee is committed to advocate sustainable design, construction and operation to our members, the industry and our community through advocacy group meetings and educational seminars. We strive to promote sustainable practices at all ASHRAE events and sponsored activities.

This committee meets once a month for planning and coordination. If you have questions about the committee, please contact Sara Frame at sustainable@rockymtnashrae.com.

RETRO-COMMISSIONING OPPORTUNITY WITH ENERGY OUTREACH COLORADO

Energy Outreach Colorado, a non-profit focusing on improving the energy efficiency of other non-profits, is working on a Retro-Commissioning project at the Jefferson Center for Mental Health building. The facility is a 25,000 square foot building with older, DDC controls and no workstation. In addition to needing a building tune-up, there is also the potential of assisting with a small controls upgrade to add an operator workstation.

We hope this project will provide a way for our Rocky Mountain ASHRAE members to join together, donate our professional services, and help improve the energy efficiency and comfort of this building.

If you are interested in heading up this project or volunteering to assist in some way, please contact Sara Frame (801-870-1750). A walk through will be scheduled in the next few weeks to gather more information on the scope of the project and present it to the chapter.

GREENING OUR MEETINGS

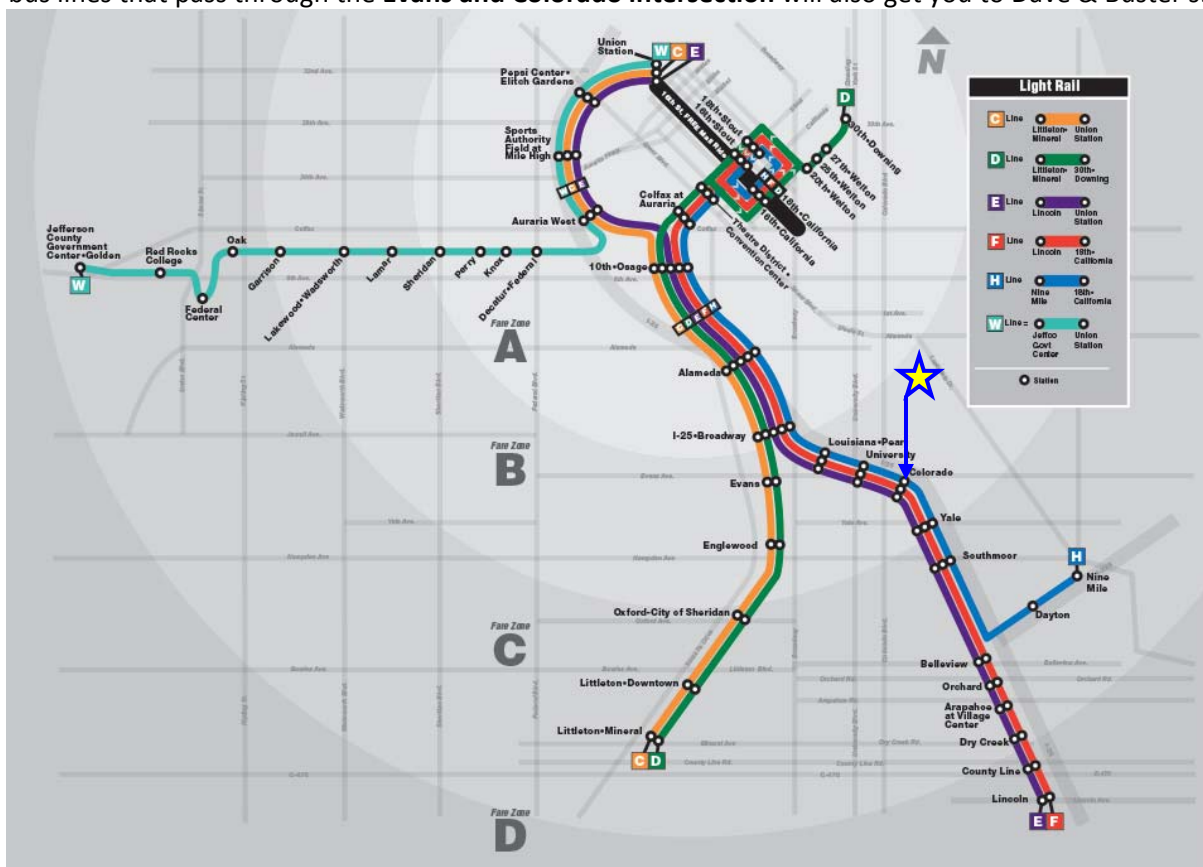
The Rocky Mountain Chapter of ASHRAE will present a free raffle ticket to anyone taking public transportation to the monthly ASHRAE meeting.

One raffle ticket will be given to each participant for each meeting. Visit www.rtd-denver.com for system maps and times or contact ridegreen@rockymtnashrae.com for further assistance.

Acceptable modes of alternative transportation:

- ✓ Walking
- ✓ Bicycling
- ✓ Bus
- ✓ Light Rail
- ✓ Alternative Fuel Vehicle
- ✓ High Efficiency Vehicle (35+ mpg)
- ✓ Carpooling (2 or more persons)

The ASHRAE meeting (Denver) at Dave & Buster's is located at the **Colorado Light Rail Station** for lines E, F and H. Any bus lines that pass through the **Evans and Colorado intersection** will also get you to Dave & Buster's.



YOUNG ENGINEERS IN ASHRAE (YEA) & STUDENTS

Young Engineers in ASHRAE (YEA) events are open to all ASHRAE Members, you do not have to be younger than 35 to attend.

Kickball Tourney

Inaugural ASHRAE Kickball Tournament, Sponsored by YEA

[Register](#) now for the Kickball Tournament on Saturday, June 7 @ Montair Park, 5620 W. 14th Ave, Lakewood 80214

This will be an all-day event, and is open to all ASHRAE members and their spouses/significant others. Start organizing teams of 10+ people - within your company, across companies, etc.

Registration is now open at: <http://rockymtnashrae.com/meetinginfo.php?id=68&ts=1397673569>

Spread the word and start recruiting team members!

If you would like to be a sponsor for this event, please see the registration site or contact YEA@RockyMtnASHRAE.com.

HVAC on Tap Educational Series

The Rocky Mountain ASHRAE YEA committee has organized an HVAC educational series for young engineers to enjoy a night of free education, dinner and networking.

YEA met at the Breckenridge Brewery on April 9th to learn about system integration from Ken Nekvasil of ATS Rocky Mtn. Ken talked about the fine art of coordinating the integration of building systems to the network. He highlighted the importance of thinking about system integration early in the design process to improve the ability for advanced controls and improved commissioning of the facility.

Thank you Ken for an insightful presentation!



Save the date for our final HVAC on Tap of the year: Wednesday, June 18th at 6pm at Breckenridge Brewery!

Wanted!

YEA is always looking for tour sites and hosts for HVAC on Tap. If you know of a great tour or want to host an HVAC on Tap, please let us know at YEA@RockyMtnASHRAE.com.

GOVERNMENT AFFAIRS

Government Affairs is now its own standing committee. This committee's responsibilities are to keep the Chapter members informed of Government activities such as new laws and regulations, legislative and building department activities as well as making ourselves available to the local government entities as an information source. The committee is chaired by Steve Ferguson who can be reached at Government@RockyMtnASHRAE.com if you are looking for more information or are interested in being involved.

DOE Publishes Analysis of Standard 90.1-2013, Requests Public Comment

The U.S. Department of Energy (DOE) has published a preliminary analysis of ANSI/ASHRAE/IES Standard 90.1-2013 "Energy Standard for Buildings Except Low-Rise Residential Buildings", and is seeking public comment on this analysis, its conclusions, and the submission of other relevant data and information.

Comments, data, and information must be submitted to DOE by May 12, 2014. To view the full analysis please click: <https://www.federalregister.gov/articles/2014/04/11/2014-08214/energy-conservation-program-for-certain-industrial-equipment-energy-conservation-standards-for>

HUD, USDA Publish Preliminary Determination on Standard 90.1-2007, 2009 IECC

The U.S. Department of Housing and Urban Development (HUD) and U.S. Department of Agriculture (USDA) have jointly issued a preliminary determination that ANSI/ASHRAE/IES Standard 90.1-2007 "Energy Standard for Buildings Except Low-Rise Residential Buildings" and the 2009 International Energy Conservation Code (IECC) would not negatively affect the availability and affordability of housing covered by the Energy Independence and Security Act (EISA) of 2007.

HUD and USDA invite public comment on this preliminary determination. Comments are due by May 30, 2014. To view the full preliminary determination please click:

<https://www.federalregister.gov/articles/2014/04/15/2014-08562/preliminary-affordability-determination-energy-efficiency-standards>

In 1973, the first building over 1,400-ft topped out at 1,454-ft. (finished in 1974), took 3 years to build, and is 1,707-ft tall including its antennas. This, the Sears Building in Chicago, Illinois, stands on Jackson Boulevard between Adams and Franklin Streets. The Sears Tower was designed for more than 12,000 occupants. It took the title of tallest building from the 1,250-ft Empire State Building of New York City which had been dedicated on 1 May 1931.



ASHRAE Rocky Mountain Chapter



Rocky Mountain ASHRAE



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MEMBERSHIP PROMOTION

Welcome to the “The Membership Promotion Page.” We would like time to welcome the following new ASHRAE members for the month of March:

- Mr Fred Ebrahimi
- Mr Erik Greensfelder
- Miss Christine Beermann
- Mr Jake Olson
- Mr Karan R Manhas
- Mr Perry Deeds
- Mr Sean Bannon
- Mr Tyler Martin
- Mr Erik W M Swanton
- Mr Jason Smith
- Mr Dennis M Harvey
- Mr Martin Kevin Tylicki
- Mr Terry G Autry
- Mr Micah Guild
- Mr Terry Ray Proffer
- Mr Anant Venkateswaran
- Mr Archie Warthen

We would also like to welcome the following new student members:

- Mr Matt Feldkamp
- Mr Arun Sanjeevi

If you have questions or need membership assistance please send an email to membership@rockymtnashrae.com or call Chris Garofoli at 303-396-9006.

Also, please look around your company and through your contacts to let people know about the benefits of joining ASHRAE. We continue to bring in new young members of the industry to keep them involved with technology and standard advancements.



ASHRAE Rocky Mountain Chapter



Rocky Mountain ASHRAE



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In 1891, U.S. President Benjamin Harrison (in office 1889-1893) had the first electric lights installed in the White House. Irwin H. “Ike” arrived from the Edison Company to do the work. He was retained as the White House electrician to operate the lights because the President's family was afraid of getting shocked. Taft made Hoover the chief usher, and he held the post for 25 years, until he died in 1933. The large lanterns on the great white pillars of the front portico remained unchanged, lit by gas. Each night, a man uses a ladder to light each lamp. The society page of the 13 Dec 1891 New York Times declared “Long may it be before the vandal march of progress reaches these quaint old lanterns to destroy their picturesqueness by the introduction of electricity.”





MEMBERSHIP APPLICATION

Name: _____

New Member Renewal National Member ID _____
*National membership is required to join chapter.

Address: _____

Email: _____

Name Tag: _____ (\$10) Yes
**Name as it is to appear on the tag.

I would like to be contacted about participating in the following events.

Mentor	Trade Show	Meeting Volunteer	Sustainability Project
Meeting Presenter	Raffle item for meeting	Committee Participation	

Please make check payable to **Rocky Mountain Chapter ASHRAE**.

Annual Membership	\$50
Name Tag	\$10
Total	_____

Please mail to:

 Chris Garofoli

 3416 Alcott St Denver, CO 80211

membership@rockymtnashrae.com

ROCKY MOUNTAIN ASHRAE HISTORY

On September 1, 2004, the dinner meeting program was “Negotiating Skills” presented by ASHRAE Distinguished Lecturer, Maralynne Flehner.

“The ability to negotiate is one of the most important skills ASHRAE members can develop because negotiating is how people get what they want. When you talk to a prospective client about a fee or to a customer about a price or to your boss about a raise or to a code official about a project, you're negotiating. When you talk to your spouse about how to spend money or to your kids about the size of their allowance, or to your friends about where to eat, you're negotiating. The fact is ASHRAE members negotiate every day of their lives with clients, customers, employers, employees, colleagues, suppliers, subcontractors, family members and friends.

This program focuses on basic negotiating skills and how they can be applied to dealings with clients, customers and code officials. The program begins by discussing how to prepare for a negotiation, including such steps as selecting the right negotiating technique, setting goals and planning strategy. It then addresses such issues as techniques for building trust and rapport; the importance of asking questions; and how to avoid answering questions you'd prefer to avoid. Next to be discussed are three critically important negotiating skills: when to lie; how to read an opponent's body language and speech patterns; and how to project confidence. The program then covers bargaining strategies; how to counter an opponent's positions; when to make concessions; and how to close a deal. The latter portion of the program applies these fundamental principles to specific situations, including contract negotiations for an HVAC project, discussions with code officials, and negotiations to resolve disputes with clients and customers.

This practical and entertaining program will appeal to all ASHRAE member groups.”

In 1884, the American Institute of Electrical Engineers (AIEE) was formed. It was the predecessor to the Institute of Electrical and Electronics Engineers, Inc. (IEEE)

In 1819, the first American-built steam-propelled vessel to cross the Atlantic, the Savannah, left from Savannah, Ga.. The 350-ton wooden boat was fully rigged with sails using mostly wind power for the trip. Steam power was used for only 80 hours, from an inclined direct-acting low-pressure steam engine. The Atlantic crossing ended at Liverpool on 20 June 1819. The vessel had been originally launched on 22 Aug 1818, with a sea trial from New York City to Savannah on 28 Mar 1819. Although it had 32 state rooms, it sailed without passengers, for none dared to make the trip. The Savannah was not a commercial success as a steam ship, and was converted to a fulltime sailing ship after her return voyage, until wrecked off Long Island in 1821. No other American owned steamship crossed the Atlantic for 30 years.



Ground Source Heat Pumps Focus of Technical Program Track at ASHRAE 2014 Annual Conference

ATLANTA—A new track added to the Technical Program at ASHRAE's 2014 Annual Conference speaks to the challenges engineers face when designing ground source heat pumps as compared to more traditional systems.

The Conference takes place June 28-July 2, Seattle, Wash. For more information or to register, visit www.ashrae.org/seattle.

The Technical Program kicks off June 29, with interactive programs and a networking coffee break, and concludes July 2. The program addresses broad topics in the application of technology to practice, specific applications in ground source heat pumps, operations and maintenance and indoor environmental quality, as well as new reports on research taking place worldwide.

New to the Technical Program is a track on Ground Source Heat Pumps (GSHP) State of the Art: Design, Performance and Research, which addresses all aspects of design that lead to optimally performing systems in addition to avoiding common pitfalls that lead to poorly performing systems.

The track was organized by ASHRAE, the National Ground Water Association (NGWA), the International Ground Source Heat Pump Association (IGSHPA) and the Geothermal Exchange Organization (GEO).

"There are a number of challenges that engineers face that are different from conventional HVAC systems, such as ground coupling, working with drillers, the importance of annual heating and cooling loads to ground heat exchanger design," Jeff Spitler, an ASHRAE member who helped create the track, said. "This track addresses the entire design and installation process from site evaluation to commissioning and system operation. In addition, GSHP systems are inherently energy efficient, but poor choices in the design can compromise this inherent efficiency. 'What not to do' is also addressed in the track."

Spitler said organizers have drawn in researchers from around the world to discuss new advances in the field so attendees have the opportunity to hear about both the latest research and state-of-the-art design practice.

"We want to help practicing engineers understand where the industry began, where it stands currently (what tools and design guides are available), and where it is headed (through the programs showcasing current research)," Lisa Meline, recent chair of ASHRAE's technical committee 6.8, Geothermal Heat Pump and Energy Recovery Applications, said. "We also hope to impart guidance to the practicing engineers on the ground heat exchanger portion of a ground-source design. Many engineers shy away from this type of design because they don't understand it. We want to change that and reinforce the need to provide single-point-of responsibility for all different types of HVAC system designs, including this one."

Sessions in the track are:

Sunday, June 29

- Step 1: Assessing a Project Site for Geothermal Heat Pump Applications
- Ground Source Heat Pump System Performance Case Studies in Different Climates Around the World
- GEO 2.0: From the Ground Up, an Overview of the Updated ASHRAE GSHP 'Blue Book'
- Ground Source Heat Pump System Case Studies

ASHRAE SOCIETY NEWS AND PRESS RELEASES (CONT.)

Monday, June 30

- Geothermal Heat Pump Track Keynote Presentation
- Documentation and Contract Administration in Tendered and Design/Build Ground-Coupled Heat Pump Projects
- Ground Source Heat Pumps: Historical Perspective and Track Overview

Tuesday, July 1

- Monitoring of Ground Source Heat Pump Systems
- What the Well?
- New Developments in Simulation and Modeling of Ground Heat Exchangers

Wednesday, July 2

- Ground Source Systems Commissioning and Closeout: Unique Issues, Avoiding Fatal Flaws and Ensuring Client Satisfaction
- Central Plant GCHP Systems
- Optimization of Ground Coupled Heat Exchangers and Heat Pumps

The Conference takes place at the Sheraton Seattle and the Washington State Convention Center. To register or more

Supply Water Temperature Classification New Addition to Updated Guidance on Cooling Data Centers

ATLANTA— Data center rack heat loads are steadily climbing, creating a need for liquid cooling solutions to reduce the volume of airflow needed, as well as lower processor temperatures for better computer performance. “Liquid Cooling Guidelines for Datacom Equipment Centers,” second edition, recently published by ASHRAE, provides best practice guidance for implementing liquid cooling systems in data centers.

“There is an increasing interest in liquid cooled IT equipment at the rack, equipment and component levels,” Don Beaty, publication chair of Technical Committee 9.9., Mission Critical Facilities, Data Centers, Technology Spaces and Electronic Equipment, said. “There is also increased interest in reuse of the heat rejected from IT equipment. One of the more important changes to the second edition is the addition of supply water temperature classification.”

Beaty claims that the addition of liquid classes can have a similar effect on the industry as the creation of supply air temperature classes did—which was the critical enabler to the use of economizers in data centers.

“There are five water temperature classes with the highest temperature class being >45 C (113 F), which opens up possibilities for using the rejected heat for building heating systems,” he said.

The guide bridges the liquid cooling systems by providing guidelines on interface requirements between the chilled-water system and the technology cooling system and on the requirements of liquid-cooled systems that attach to a datacom electronics rack to aid in data center thermal management.

Also included are updated references and further information on approach temperatures and liquid immersion cooling, plus guidance on water quality problems and wetted material requirements.

ASHRAE SOCIETY NEWS AND PRESS RELEASES (CONT.)

Additionally, the guide covers definitions for liquid and air cooling as they apply to IT equipment, along with an overview of chilled-water and condenser water systems and other datacom equipment cooling options.

This book is the fourth in the ASHRAE Datacom Series, authored by ASHRAE TC 9.9.

The cost of “Liquid Cooling Guidelines for Datacom Equipment Centers,” second edition, is \$54 (\$46 ASHRAE members). To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 678-539-2129, or visit www.ashrae.org/bookstore.

ASHRAE Proposes to Move All Residential IAQ Requirements to Standard 62.2

ATLANTA – Dwelling units of multifamily buildings of any height would fall under ASHRAE’s residential ventilation standard, 62.2, under a proposed change designed to provide consistency of ventilation requirements.

Currently, ANSI/ASHRAE Standard 62.1-2013, *Ventilation for Acceptable Indoor Air Quality*, has responsibility for multifamily residential buildings 4 stories or more, while ANSI/ASHRAE Standard 62.2-2013, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*, has responsibility for residential buildings 3 stories and less.

“The Standards 62.1 and 62.2 committees are proposing scope changes that would result in the dwelling units of all multifamily buildings being covered by Standard 62.2,” Paul Francisco, chair of the Standard 62.2 committee, said. “Common areas would be covered by 62.1. This will provide consistency of ventilation requirements for dwelling units regardless of building height. For new construction, this will result in a change of requirements for dwelling units in 4+ story buildings. For the retrofit market, this change will result in coverage by ASHRAE ventilation standards for the first time in 4+ story buildings.”

The proposed changes are being made via addendum *a* to Standard 62.1-2013 and addendum *g* to Standard 62.2-2013, which are open for public review from April 4 to May 4, 2014. For more information or to submit comments, visit www.ashrae.org/publicreviews.

The ventilation rates for dwelling units in Standard 62.1 are different from the rates in Standard 62.2, and this inconsistency has caused concern for some, according to 62.1 committee chair Roger Hedrick. Additionally, Standard 62.1 does not address modest retrofits whereas Standard 62.2 does.

“The retrofit market is a major user of ASHRAE ventilation standards,” he said. “This will allow for consistency across dwelling units and also allow application of ASHRAE ventilation standards to the multifamily retrofit market.”

Francisco agreed, saying, “Given the growth of the retrofit industry in multifamily dwellings it is important to ensure that these situations are covered in ASHRAE’s ventilation standards.”

EMPLOYMENT OPPORTUNITIES

Position

Application Engineer
HVAC Design Engineer
Mechanical & Electrical Engineers
Mechanical Engineer

Company

Set point Systems Corp.
20/20 Engineering, Inc.
MDP Engineering Group
Brian Syferth & Associates

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Go to our website to open these links: <http://rockymtnashrae.com/classifieds.php>

ASHRAE Jobs Website Tool:

ASHRAE has now partnered with the job board service Bird Dog to promote employment opportunities for the ASHRAE community. This effort is called ASHRAE Jobs and can be linked to from the ASHRAE home page or www.ashraejobs.com.

