

Rocky Mountain ASHRAE



VOLUME 53, NUMBER 6

FEBRUARY 2012

EDITOR: MEGAN VAN WIEN

FEBRUARY MEETING

Denver Meeting Information

DATE: Wednesday, February 1, 2012

TIME: 11:30 AM Registration
12:15 PM Program Begins

LOCATION: Colorado Sheet Metal Apprenticeship
Training Institute
1515 W 47th Avenue
Denver, CO 80211

RSVP: Jessie Jones

COST: \$25 Rocky Mtn Chapter Members
*Reservation made by 12:00 PM 1/9
\$35 Non-members and late reservations
\$20 Students

Save the Dates!

Rocky Mountain ASHRAE Technical Conference

- Friday April 20, 2012
- Topics, speakers and registration information to be distributed soon.
- Contact Michelle Swanson for information.
mswanson@rmhgroup.com

Annual Golf Tournament

The 2012 Golf Tournament to support ASHRAE Research and the Rocky Mountain research promotion 2011-2012 goals will take place at the Hiwan Golf Club.

- Monday June 18, 2012,
- Registration begins - 11:30 AM
- Shotgun Start - 1:15 PM

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"Duct Leakage Testing"

February is our joint meeting with Rocky Mountain ASHRAE and SMACNA Colorado.

Mr. Terzigni with SMACNA's Technical Resources Department will be discussing duct leakage testing requirements throughout the United States, as well as SMACNA's efforts to bring consistency to the marketplace regarding this issue with their ongoing development of the SMACNA/ASHRAE HVAC Total System Air Leakage Standard.

THANK YOU Research Promotion Donors

THANK YOU all of our Research Promotion donors from 2010 - 2011 we raised \$62,616 for research last year. Please consider giving to the 2011 - 2012 campaign as we are hoping to get the Rocky Mountain chapter to be the highest fundraiser in all of society. We were less than \$6,000 away last year, let's blow by everyone and hit the goal of \$75,000 this year.

Remembrance of Jack Wolpert

Rocky Mountain ASHRAE Chapter member Jack Wolpert passed away on Sunday, January 22, 2012. Jack has been a leader in energy efficiency, sustainability, and building commissioning and he will be missed by the energy management and commissioning community in Colorado, Illinois, New York, California, and others. Most recently he founded E-Cube, Inc in 1991 where he has been ever since.

PRESIDENT'S MESSAGE

The chapter will be planting a tree via the Mile Hi Million initiative in the name of each of the speakers this year. The turnouts for the meetings continue to provide strong numbers for the chapter.

I would like to thank Cabot Oglesby for speaking at both our Fort Collins and Denver meetings on Variable Refrigerant Flow.

Our nominating committee which consists of Aaron Zimmerman, John Stumpf, and Ken Urbanek are looking for individuals who are interested in joining our Board of Governors. They will nominate a local chapter member to be the next Junior Board Member. This individual will be responsible for composing our monthly newsletter. From there, they will go through all of the chairs up through the presidency. If you are or know someone who is interested, please contact who of the above named individuals. Their contact information can be found on our roster page within this newsletter.

I hope you can join us for our annual DU Hockey Night which takes place on 10Feb12. A very special thank you goes out to Mike Day who puts this event together year after year. Thanks so much for your help Mike!

It's our intent to continue providing relevant topics for educational purposes to our members and guests. If there is a particular topic that you think would be beneficial, please let me know and we'll do our best to include it in this year's presentations. At the very least, we can plan ahead and have it scheduled for next year.

Be on the lookout for YEA (Young Engineers in ASHRAE) Social Hours. Whether you're recognized as a YEA individual we encourage you to participate in this event. I would like to thank Tim Hughes for putting these events together for the chapter. If you have any questions or concerns, please do not hesitate to contact me. Thanks a lot and have a great day!

Best Regards,

Adam Bishop

Chapter President
Rocky Mountain Chapter of ASHRAE

ROCKY MOUNTAIN ROSTER

Rocky Mountain ASHRAE 2011 - 2012 Board of Governors

Title/Committee Chair	Name	Email	Phone
President	Adam Bishop	adamb@cfmcompany.com	303.607.4438
President-elect/Tech Conf.	Michelle Swanson	mwanson@rmhgroup.com	303.239.0909
Vice President/CTTC Chair	Jon Rundquist	jonathan.e.rundquist@jci.com	303.904.7923
Secretary	Jessie Jones	jjones@rmhgroup.com	303.239.0909
Treasurer	Mike Harrington	mharrington@setpointsystems.com	303.733.2300
Newsletter Editor	Megan Van Wieren	MeganLVanWieren@eaton.com	303.974.1230
Past President	Ken Urbanek	kurbanek@mkkeng.com	303.796.6000
Director	Aaron Zimmerman	azimmerman@mkkeng.com	303.796.6088
Director	John Stumpf	jstumpf@long.com	720.472.0422
Northern Section Chair	Mike Fulton	mfulton@westernmechanicalsolutions.com	720.934.8273
Membership	Chris Garofoli	CGarofoli@victaulic.com	303.396.9006
Historian	Dale Eismueller	dale@werc.com	303.406.4080
Website	Tony Anderson	tanderson@airpurificationcompany.com	
Student Activities	Craig Wanklyn	craig.wanklyn@me-engineers.com	303.421.6655
Sustainable Engineering	Celeste Cizik	CelesteLCizik@eaton.com	303.974.1212
Government Activities	Celeste Cizik	CelesteLCizik@eaton.com	303.974.1212

ASHRAE RESEARCH



Thank you 2010-2011 ASHRAE Research Donors

THANK YOU all of our Research Promotion donors from 2010 - 2011 we raised \$62,616 for research last year. Please consider giving to the 2011 - 2012 campaign as we are hoping to get the Rocky Mountain chapter to be the highest fundraiser in all of society. We were less than \$6,000 away last year, let's blow by everyone and hit the goal of \$75,000 this year.

Don't Wait, Please Donate for the 2011-2012 ASHRAE Year

Mail Check To:
ASHRAE RESEARCH
c/o The RMH Group
12600 W Colfax Ave, 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
CORPORATE	\$75.00	\$100.00	\$175.00	\$250.00

Other: _____

Other: _____

























Or Contact Michelle Swanson at: 303-239-2724



ROCKY MOUNTAIN CHAPTER

ASHRAE RESEARCH

ASHRAE RESEARCH DONOR LEVELS AND RECOGNITION

Presented Golden Circle 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 and Plaque							
Receives Silver ASHRAE Commemorative Coin and Plaque					-----	-----	-----
Receives Bronze ASHRAE Commemorative Coin and Plaque				-----	-----	-----	-----
Receives Antique ASHRAE Commemorative Coin and Plaque			-----	-----	-----	-----	-----
Receives blue desktop coin holder		-----	-----	-----	-----	-----	-----
Listed in annual Investor Honor Roll							
	Honor Roll Donor \$150- \$249	Major Donor – Antique \$250- \$499	Major Donor – Bronze \$500- \$999	Major Donor – Silver \$1000- \$4,999	ASHRAE Associate \$2,500- \$4,999	ASHRAE Partner \$5,000- \$9,999	Golden Circle Donor \$10,000+

SUSTAINABLE ENGINEERING COMMITTEE

January Meeting

DATE: Wednesday, February 15, 2012

TIME: 12PM – 1PM

LOCATION: TBD

RSVP: Celeste Cizik
CelesteLcizik@eaton.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 Celeste Cizik at sustainable@rockymtnashrae.com.

PROJECT UPDATE - 2013 SUSTAINABILITY PROJECT

Denver Rescue Mission | Lawrence Street

Project Description: In preparation for the 2013 Annual ASHRAE Society Meeting, the Rocky Mountain chapter has selected the Denver Rescue Mission Lawrence Street facility as the Annual Meeting Sustainability Project in an effort to reduce the environmental impact of the meeting. Each year, ASHRAE selects a Sustainability Project for members to volunteer their time and services. This project traditionally is done for a non-profit organization that would significantly benefit from energy efficiency upgrades and improved systems.

The Lawrence Street Shelter is the Mission's central outreach location. Tens of thousands of poor and needy people come to this facility each year for shelter, food, clothing, medical care, client services, and chapel services. The Lawrence Street Shelter serves three meals a day, seven days a week, three hundred sixty-five days a year. With 200 shelter beds and 100 emergency overflow cots, up to 300 men can find a warm bed and a safe place to sleep each night. Families and individuals come to their "closet" for everything from warm gloves to business attire for job interviews. Case managers help up to 2,000 individuals each month with needs such as food boxes, baby diapers, furniture, clothing, household goods, and referrals to other agencies. Program participants can receive free medical, dental, optical, and chiropractic treatment at the Mission's clinic.

Project Contact: If you or your organization would like to assist in the 2013 Annual Meeting Sustainability Project, please contact Brian Lynch at 720.472.1037 or BL@westernmechanicalsolutions.com.

Project Update: The Sustainability Project is underway and the committee is making exciting progress each month. The following activities highlight the work that has been completed in September and October.

- **Preliminary Energy Conservation & Capital Improvement Measures** – Preliminary measures have been identified that will achieve energy savings and improve occupant comfort at the Denver Rescue Mission. These measures are currently being evaluated to quantify the energy savings, to determine the required materials, and estimate the installation cost.
- **Project Website** – Coming soon! The project website complete with project information, photos, updates and donor acknowledgements is expected to be ready before the end of the year. Stay tuned for more information.
- **Fundraising** – Fundraising is currently underway to secure donated services, equipment and funds.

GREENING OUR MEETINGS

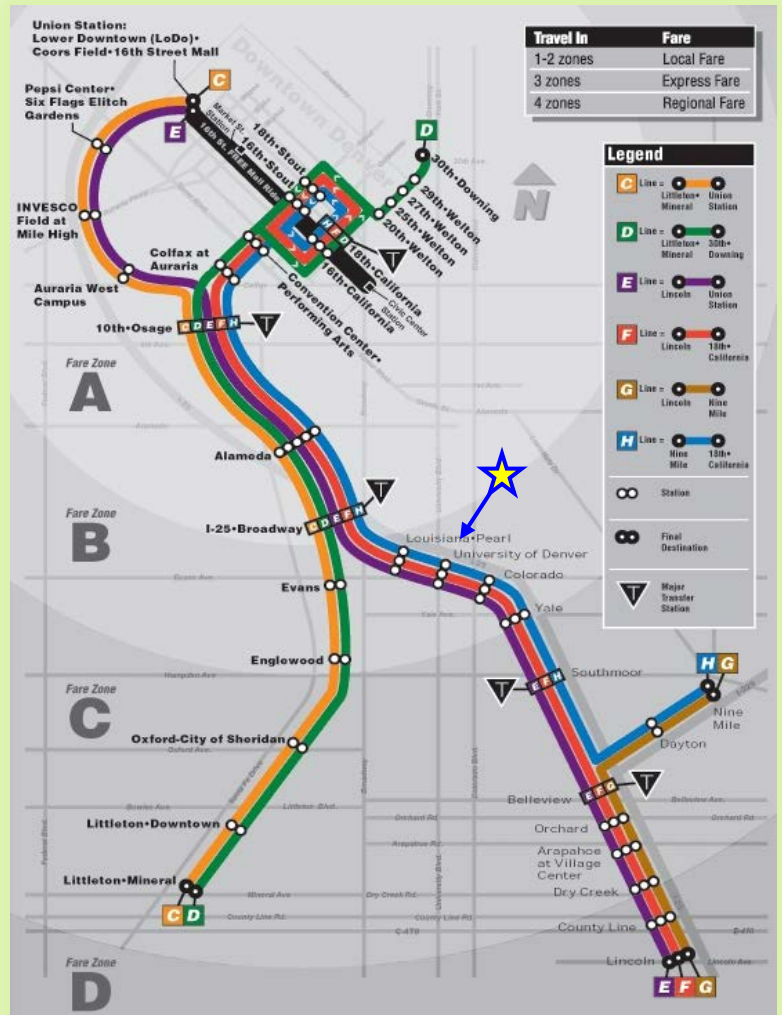
The Rocky Mountain Chapter of ASHRAE will present a free raffle ticket to anyone taking public transportation to the monthly ASHRAE meeting.

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.



MEMBERSHIP PROMOTION

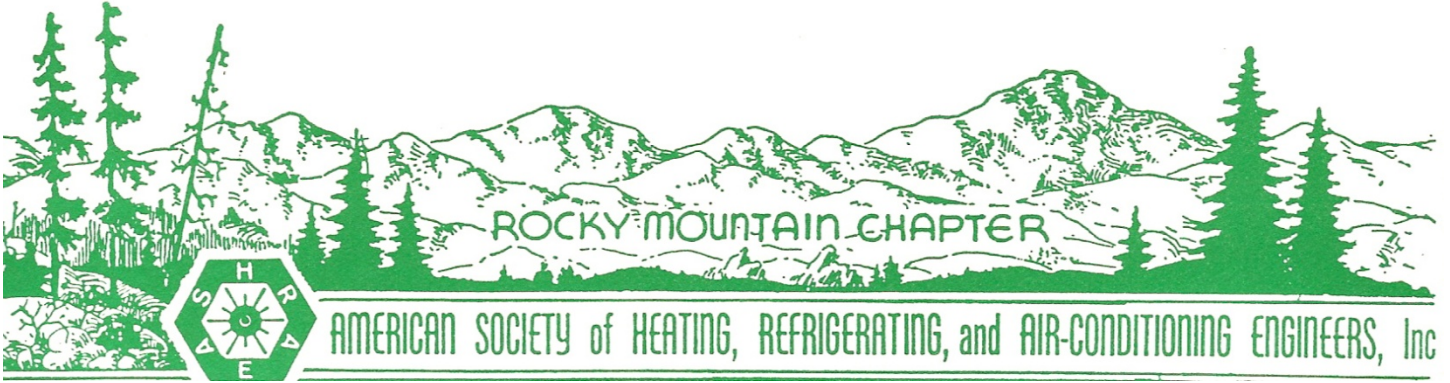
Welcome to the “The Membership Promotion Page.” We would like to take time to welcome the following new ASHRAE members for the month of January:

- Mr. Joshua D. Armstrong
- Mr. Joseph G Beard
- Mr. Thomas S Clay
- Mr. Uzzal Dewan
- Mr David Edward Goodnack
- Mr Scott McQuoid
- Mr. Marshall D. Paulson
- Mr. Nathan C Woodworth

If you have questions or need membership assistance please send an email to cgarofoli@victaulic.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.

ROCKY MOUNTAIN MEMBERSHIP APPLICATION



Name: _____ (Last) _____ (First) _____ (MI)

Status: Renewal ____ New Member ____ Address Change ____

Please circle preferred mailing address: HOME BUSINESS

Home Address and Phone

Business Name, Address and Phone

p: _____

p: _____

Preferred email address: _____

Society Membership Number / Grade: _____

Name Tag (\$10.00) Paid? Y N

Name to appear on name tag as: _____

I would like to be contacted about serving on one of the following committees or functions (Please circle):

- | | | |
|-----------------------|-----------------------------|--|
| A. Newsletter | F. Chapter Historian | K. Spouse's Night / Social Committee |
| B. Membership | G. Technical Seminars | L. Colorado Engineering Council (Committee Help) |
| C. Meeting Attendance | H. Research Fund Promotions | M. General |
| D. Education | I. Monthly Meeting Programs | N. Energy Committee |
| E. Golf | J. Publicity | O. Sustainable Engineering Committee |

Please mail this invoice and your check for \$50.00 (2010 / 2011 year) + \$10.00 (Name Tag if requested) payable to **Rocky Mountain Chapter ASHRAE** to the address listed below. ASHRAE will invoice you for both society and local dues every year following the first year.

Chris Garofoli
Rocky Mountain Chapter ASHRAE Membership Promotion Chair
c/o Victaulic
3416 Alcott Street Denver, CO 80211
cgarofoli@victaulic.com

ASHRAE SOCIETY NEWS AND PRESS RELEASES

For Release:
Jan. 21, 2012

ASHRAE Recognizes Outstanding HVAC&R Industry Achievements

CHICAGO— Thirty-six people are being recognized by ASHRAE for their contributions to the Society and the building industry at the Society's 2012 Winter Conference held here Jan. 21-25.

The Hall of Fame, honors deceased members of the Society who have made milestone contributions to the growth of HVAC&R technology.

The recipient is Presidential Member Roderick Kirkwood, Fellow ASHRAE, Life Member.

Fellow ASHRAE is a membership grade that recognizes distinction in the arts and sciences of environmental technology and is earned through achievement as a researcher, designer, educator or engineering executive. The Society elevated 13 members to the grade of Fellow ASHRAE:

- Constantinos Balaras is research director, Institute for Environmental Research and Sustainable Development, National Observatory of Athens, Greece.
- Van Baxter is senior research and development engineer, Oak Ridge National Laboratory, Oak Ridge, Tenn.
- Vin Gupta is senior principal engineer, 3M Company, St. Paul, Minn.
- Mark Modera is professor, civil environmental engineering, mechanical and aerospace engineering, and director, Western Cooling Efficiency Center, University of California at Davis.
- Darin Nutter is associate professor of mechanical engineering, University of Arkansas, Fayetteville.
- Tom Phoenix is principal and vice president, Moser Mayer Phoenix Associates, Greensboro, N.C.
- Arshad Sheikh is owner/principal consultant, SES Consulting Engineers, Lahore, Pakistan.
- Edward Vineyard is group leader, building equipment research, Oak Ridge National Laboratory, Oak Ridge, Tenn.
- Iain Walker is scientist, Lawrence Berkeley National Laboratory, Berkeley, Calif.
- Brian Warwicker is consultant, Brian Warwicker Partnership, Ltd., London, U.K.
- Bill Worek is professor and director, Energy Technology Laboratory, University of Illinois-Chicago
- Xudong Yang is Chang-Jiang professor and deputy director, Institute of Built Environment, School of Architecture, Tsinghua University, Beijing, China
- Jianshun Zhang is professor and director, building energy and environmental systems lab, department of mechanical engineering and aerospace engineering, Syracuse University, Syracuse, N.Y.
- The ASHRAE Technology Awards recognize outstanding achievements by members who have successfully applied innovative building designs, which incorporate ASHRAE standards for effective energy management and indoor air quality. Six projects received first-place ASHRAE Technology Awards:
 - Roland Charneux, P.Eng., ASHRAE Fellow, ASHRAE Certified Healthcare Facility Design Professional, Pageau Morel & Associates, Montreal, Quebec, Canada in the new commercial buildings category for Mountain Equipment Co-op, Longueuil, Quebec, Canada. The building is owned by the co-op
 - Ken Sonmor, Ecovision Consulting, Montreal, Quebec, Canada in the existing commercial buildings category for the IKEA Brossard Distribution Center, Quebec, Canada. The building is owned by IKEA Distribution Services.
 - René Dansereau, Dessau, Longueuil, Quebec, Canada the new educational facilities category for the Université de Sherbrooke—Campus de Longueuil, Quebec, Canada. The building is owned by the university.
 - Paul Marmion, Stantec Consulting, Ltd., Vancouver, British Columbia, Canada in the new health care facilities category for Abbotsford Regional Hospital and Cancer Centre, British Columbia, Canada. The building is sponsored by Laing Investments Management Services and owned by the hospital.
 - Blake Ellis, P.E., Burns & McDonnell, Kansas City, Mo. in the new industrial facilities or professes category for thermal energy storage at Texas Meidcal Center, Houston, Texas. The owner is Thermal Energy Corp.

- Luc Simard, Compressor Systems Control (CSC), Inc., Les Coteaux, Quebec, Canada in the existing industrial facilities or presses category for the Arena Marcel Dutil, St-Gédéon-de-Beauce, Quebec, Canada. The building is owned by the Municipalite St-Gédéon-de-Beauce.

The ASHRAE Student Design Project Competition challenged teams of students to create an integrated sustainable building design as well as select and design HVAC&R systems for the Drake Well Museum located in Titusville, Pa., the site where Edwin L. Drake drilled the world's first oil well in 1859 and launched the modern petroleum industry. First place in HVAC System Design is awarded to Holly Brink, Michael Crabb, James Dougherty, Andrew Gilliam and Gina Halbom of University of Nebraska-Omaha. First place in HVAC System Selection is awarded to Lynn Gualtieri, Evan Oda, Kristin Porter, Navid Saiidnia, Jeffrey Wong and Cameron Young of California Polytechnic State University, San Luis Obispo, Calif. First place in the Integrated Sustainable Building Design is awarded to Qi Te, Zhang Qiqi and Chen Yuanyi of Tianjin University, China.

The John F. James International Award is given to an ASHRAE member who has done the most to enhance the Society's international presence. The recipient is Edward Ka Cheung Tsui, managing director, Intelligent Technologies, Ltd., Hong Kong, Hong Kong.

The E.K. Campbell Award honors outstanding achievements by engineering educators and is presented by the ASHRAE Life Members Club. The recipient is Wayne Helmer, Ph.D., P.E., professor of mechanical engineering, Arkansas Tech University, Russellville, Ark.

ODDS AND ENDS

ASHRAE Jobs Website Tool:

We thought you and your fellow members would like to know about this valuable tool for ASHRAE Members and HVAC&R hiring authorities. We have prepared a page detailing the story of [ASHRAEjobs.com and its success here](#).

The Career Center offers several benefits for hiring authorities and job seekers:

- ASHRAE Jobs is user friendly. Its products and services equal the offerings from traditional big box boards such as Monster.com, yet its information and postings are specific to the ASHRAE Community.
- Due to its focus on HVAC&R engineering, Job seekers have a more effective search experience. Employers also have immediate access to a pre-filtered pool of talent for skills and experience.
- A unique feature is ASHRAE members are highlighted in search results. The online job application and resume forms require applicants to identify themselves by membership status. Employers can sort applications and resumes by membership status.

I would invite your Chapter to participate in this program by creating a link on your website to the ASHRAE Jobs Career Center. You will find attached a copy of the logo to use on your homepage. We would also appreciate your help to spread the news about ASHRAE Jobs' success through an announcement through your eNewsletter, blogs, etc.

If you have questions, I or John von Harz (Services Manager at jvonharz@ashraejobs.com) will be pleased to answer them.