



THE SQUIRREL CAGE —ALAMO ASHRAE

ASHRAE - ALAMO CHAPTER #65

SAN ANTONIO, TX

ISSUE: APRIL 2012 / VOLUME LII NO. 3

ALAMO ASHRAE PRESIDENT'S MESSAGE

Alamo ASHRAE,

As Rocky Ormand and I are preparing to represent the Alamo Chapter at the Region VIII Chapter Regional Conference (CRC) this month, I would like to share with you all some good things that our Chapter has been doing this past year. We have 3 Professional Engineers (PE), 2 Engineers-in-Training (EIT), and 5 LEED APs as Chapter Officers. We have had many well attended events – Kickoff Party in August at Los Barrios, Holiday Social in December at Aldino's, and the Golf Tournament at The Republic. We awarded two student scholarships at \$1,000 each! We met our Presidential Award of Excellence (PAOE) minimums by March. The Alamo Chapter Young Engineers in ASHRAE (YEA) has been outstanding! If you have not been to a YEA meeting or tour, you should definitely attend at least one! I think anyone who has attended would agree. And last but not least in keeping up with the times, we created a Sustainability Committee.

We couldn't have done it without all of you! Monthly meeting attendance has been outstanding and involvement / interaction from the Chapter membership have been great. Overall, ASHRAE seeks to provide technical and educational information as well as professional growth in heating, ventilating, air conditioning, and refrigeration. However, the Alamo Chapter is about you! If there is something you would like to see happening or if you have any suggestions or ideas, please contact either Rocky Ormand or myself.

Thank you to each of you for your continued support,

Jennifer King, PE, LEED AP
2011-2012 Alamo ASHRAE President



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ALAMO ASHRAE MEETING NOTICE



MEETING INFORMATION:

"Refrigeration Update - in Today's Environment"

Tuesday - May 15, 2012
11:30 am—1:00 pm

Oak Hills Country Club
5403 Fredericksburg Road

Cost: \$25.00 with reservation / \$30.00 without
*Vegetarian available by prior request

Please **RSVP** to Rezaur@esaengineers.net
by the Monday before each meeting



ASHRAE MEETING EVALUATION FORM

Alamo ASHRAE,

Please fill out the evaluation below for our most recent meeting where our special guest **Mark MacCracken**, President and CEO of Calmac and ASHRAE Distinguished Lecturer, presented on **Thermal Storage**. We had a great turn out today, and we were all rewarded with a great presentation. Alamo ASHRAE would like to thank **Trane** for sponsoring this month's meeting.

Alamo ASHRAE would like to thank all of the companies who have sponsored an ASHRAE meeting this year:

RS&H	Texas Air Systems
Lashley South Texas	Texas Air Products
Pure Air Filters	Trane
Mechanical Reps	Engineered Air – May Meeting

As always your responses help us to provide the best possible chapter programs, so please take a couple of minutes to tell us what you thought. Please forward all responses to Brad Gilbert @ bradg@htseng.com.

Distinguished Lecturer Evaluation:

Rate your approval of the topic presented.	_____ (Max 20 points)
Rate your approval of the speaker's ability to present the material.	_____ (Max 40 points)
Rate the relevance and/or usefulness of the information presented.	_____ (Max 40 points)
How many points should be <u>deducted</u> for Commercialism	_____ (Max -25 points)

If you deducted points for commercialism, describe how the presenter **did not** comply with ASHRAE's Commercialism Policy. (please underline or **bold**)

[Yes/No] – References or displays of trade names, logos, or products. (*First slide/presentation introductions are allowed*)

[Yes/No] – Inference that ASHRAE approves or endorses any product, software, or system.

[Yes/No] – Copies of papers, draft position papers or recommendations, brochures or other information.

Would you recommend this speaker to other chapters? Yes No

Please provide any comments you have on the presentation:

QUESTIONS? Contact Brad Gilbert @ bradg@htseng.com.

ASHRAE TRAINING & PUBLICATIONS ADVERTISEMENT

ASHRAE Learning Institute 2012 Spring Online Course Series

2 WAYS TO REGISTER

Internet: www.ashrae.org/onlinecourses

Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Note: You may register up to 24 hours prior to an online course. Courses are in US Eastern Standard Time.



District Cooling & Heating Systems

Mon, March 19, 2012 – 1:00 pm to 4:00 pm ET

Basics of Combined Heat & Power

Wed, March 21, 2012 – 1:00 pm to 4:00 pm ET

Evaluating the Performance of LEED®-Certified Buildings

Wed, March 28, 2012 – 1:00 pm to 4:00 pm ET

Commissioning Process & Guideline 0

Wed, April 4, 2012 – 1:00 pm to 4:00 pm ET

* Complying with Standard 90.1-2010: HVAC/Mechanical

Mon, April 9, 2012 – 1:00 pm to 4:00 pm ET

* Complying with Standard 90.1-2010: Envelope/Lighting

Wed, April 11, 2012 – 1:00 pm to 4:00 pm ET

* Take both Standard 90.1 courses and save 20% on the price of these courses



The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits. Archiving is available.

Humidity Control: Principles and Applications – Part 1

Mon, March 26, 2012 – 1:00 pm to 4:00 pm ET

Humidity Control: Principles and Applications – Part 2

Mon, April 2, 2012 – 1:00 pm to 4:00 pm ET

Implementing ASHRAE Standard 189.1-2009 – Part 1

Mon, April 16, 2012 – 1:00 pm to 4:00 pm ET

Implementing ASHRAE Standard 189.1-2009 – Part 2

Thurs, April 19, 2012 – 1:00 pm to 4:00 pm ET

Integrated Building Design – Part 1

Mon, April 23, 2012 – 1:00 pm to 4:00 pm ET

Integrated Building Design – Part 2

Wed, April 25, 2012 – 1:00 pm to 4:00 pm ET

ASHRAE HVAC Design Workshops

2 Workshops, 5 Days of Intense Instruction

May 21-25, 2012 • ASHRAE Foundation Learning Center • Atlanta, GA

HVAC Design: Level I – Essentials

May 21-23, 2012

ASHRAE's HVAC Design: Level I - Essentials workshop provides intensive, practical education for designers and others involved in delivery of HVAC services. Developed by industry-leading professionals, the workshop provides participants with training design to accelerate their evolution into effective member on a design, construction or facilities maintenance team. Gain the fundamentals and technical aspects to design, install and maintain HVAC systems.

HVAC Design: Level II – Applications

May 24-25, 2012

ASHRAE's HVAC Design: Level II - Applications workshop provides advanced instruction on HVAC system designs for experienced HVAC designers or those who completed the HVAC Design: Level I Essentials workshop. Gain an understanding of system design incorporating the application of Standards 55, 62.1, 90.1 and 189.1.

Creating Effective, Highly Skilled Engineering Team Members

- Gain knowledge to make immediate contributions to design projects
- Participate in in-depth, practice-focused training
- Learn from industry leaders selected by ASHRAE
- Receive free bonus resources valued at over \$200

Attendees of the HVAC Design Workshops can earn continuing education credits. Contact the relevant governing body for more information.



Visit www.ashrae.org/hvacdesign to register

ASHRAE Certification Programs

- Building Energy Assessment Professional (BEAP)
- Building Energy Modeling Professional (BEMP)
- Commissioning Process Management Professional (CPMP)
- Healthcare Facility Design Professional (HFDP)
- High-Performance Building Design Professional (HBDP)
- Operations & Performance Management Professional (OPMP)

For more info, visit
www.ashrae.org/certification

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2012 Annual Meeting chair

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Previous Meeting Attendance:

Lawrence Turner EIT—“IBC Seismic/Wind Req. and Risks”

MARCH 20, 2012

Aaron Caldwell
Alison Gragg
Brian Allerheiligen
Bruce Smith
Bill Wurzbach
Chuck
Chip Drewry
Chris Delgado
Christopher Garcia
Chris Ivey
Chris Long
Derek Brown

Dennis Flores
Don Kiely
Dan Nesman
David Pena
Dan Torres
Eric Ireton
Eric Johnson
Hector Carrisalez
Howard Decker
Ian Vohwinkel
Jim Diltz
Jake Edmondson

Joshua Baumgartner
John Freund
John Faultersack
Jennifer King
John Owens
Jennifer Schmidt
Jeffrey Tabb
John Weems
Mario Mijangos
Lawrence Turner
Matthew Freund
Mike Lawlor

Manuel Lizcano
Paul Deltz
Pat Mclarry
Rey Gutierrez
Robert Hambright
Rocky Ormand
Richard Powell
Rezaur Rahman
Robert Schwarz
Richard Tarrillion
Shannon Novak
Steven Richey

Stan Rakowitz
Steve Huck
Stillman Jordan
Scott Wells
Todd Buck
Thursten Simonsen

BOARD OF GOVERNORS MEETING MINUTES—APRIL 3, 2012



April 3, 2012 -- 5:30 PM – Merrick & Company

Presiding Officer: Jennifer King

CALL TO ORDER

ROLL CALL – JK, RO, MV, BG, TB, ML, TI, AC

OFFICER & CHAIR REPORTS

Treasurer – Shannon N / Jennifer K

Financial Report – Send to Aaron C
for newsletter

CTTC – Brad G

Meeting Speakers/Topics update –
May, Refrigeration, Sponsor =
Engineered Air

June, Ethics, Need sponsor!
April speaker? Sponsor? – Thermal
Storage, Sponsor = Trane

YEA – Stillman J

April YEA mtg?

May YEA mtg: Alamo ASHRAE to
sponsor! Up to \$250 has been
approved unanimously.

2012 Summer Mtg – Fred G

Met @ Grand Hyatt (Summer Meet-
ing location) w/ Judy Marshall &
Jan Young from Atlanta – Great
compliment => Summer Meeting
planning is on time and has been
performed very well!

Polo shirts for Host Committee? --
\$40 ea + S&H from ASHRAE
online; other quotes

RP – Mike V

Present more ASHRAE donors at April
mtg!

Newsletter – Aaron C

**Deadline for submissions to
Spring (Mar/Apr) news-
letter: Fri. Apr 6 @ noon**

Copy all RVC's on monthly newsletter

Golf Tournament – Todd B

Awesome golf tournament!

Any other feedback? – Raised approx.
\$16,000 for ASHRAE Research
(BOG will vote on actual amount
for Research Promotion)

Webmaster – Matt K

Website upgrade vote not conclusive;
Will reassess at later date

OTHER BUSINESS

Region VIII CRC from April 26-28 in Tulsa, OK

Jennifer K (Delegate) & Rocky O
(Alternate) required to attend
Thurs 4/26 @ 4pm thru Sat 4/28
@ 5:45pm

Flight reimbursed by ASHRAE Nation-
al

Vote on hotel (3 nights - \$320.07) &
registration (\$275) reimburse-
ment by Alamo ASHRAE -- \$595
total x 2 people = \$1190

Motion for CRC by Chris G

CRC Chapter Summary Report –
Need info by Fri 4/6 from
Golda, Mario, Brad, Mike/Wes,
Manuel, Shannon, Aaron, Matt, &
Stillman

Chapter Officers picture for CRC
presentation

ADJOURN

TREASURER'S FINANCIAL REPORT



Treasurer's Report- As reported by Shannon Novak (Current as of 12/12/2011)	
Checking:	\$ 12,576.18
Money Market:	\$ 8,116.86
Petty Cash:	\$ 200.00
TOTAL ASSETS:	\$ 20,893.04

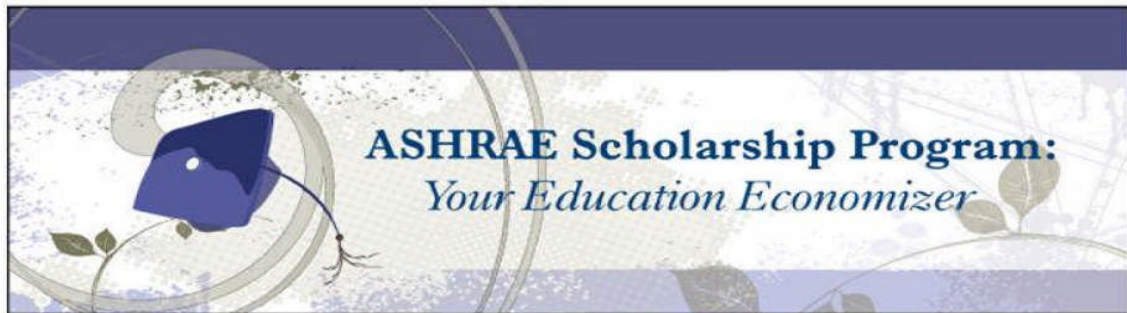
UPCOMING ALAMO ASHRAE EVENTS

Date	Topic	Speaker	Sponsor
May 15, 2012	Refrigeration Updates	Steven Schmidt	Engineered Air
June 19, 2012	Ethics	(Special Guest)	Open

WOULD YOU LIKE TO SPONSOR AN ALAMO ASHRAE MEETING / EVENT?

1. Review the presentations that are being provided at www.alamoashrae.org.
2. Find a topic you are interested in sponsoring.
3. Contact Brad Gilbert (210-426-0887) to reserve your sponsorship.
4. Be recognized by Alamo ASHRAE as a sponsor!
5. By doing so, you are supporting your local Alamo ASHRAE chapter in delivering quality information for the entire chapter.

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In the HVAC&R industry, economizers are used to reduce heating and cooling costs. The ASHRAE scholarship program also serves as an economizer, helping reduce the financial burdens of obtaining your engineering education. Without you, the future leaders of the HVAC&R industry, we at ASHRAE wouldn't be able to do what we do. So through our scholarship program, we aim to help you do what *you* do—learn.

ASHRAE has awarded nearly 200 scholarships during the past 20 years totaling more than \$1 million. Nearly \$80,000 in scholarships is available for the 2012–13 academic year. Applications are now being accepted for ASHRAE's 2012–2013 undergraduate engineering, regional and university specific scholarships.

www.ashrae.org/scholarships



"ASHRAE's scholarship has helped me cover my tuition expenses and materials, giving me the opportunity to satisfactorily fulfill my undergraduate degree. Not only has the help been economical, but it also helped me develop a genuine interest in this field. With this aid, I only have to focus on being well prepared so I can become a change agent within the HVAC&R industry. For these reasons I'm extremely grateful to ASHRAE and hope they'll continue supporting future engineers."

Jacob Vazquez, ITESM (Instituto Tecnológico y de Estudios Superiores de Monterrey) (Mexico), Region VIII Scholarship



"The Reuben Trane scholarship has solidified my involvement in the HVAC industry and has been instrumental in financing my education. It has opened doors for me to further integrate ASHRAE into my educational experience. As well, it has sparked the creation of the first McMaster University ASHRAE Student Branch, bringing my education even closer to the tremendous support and resources available through the ASHRAE network. I look forward to a long career in the HVAC industry."

Benjamin Oliver, McMaster University (Canada), Mechanical Engineering and management, Reuben Trane Scholarship

Application deadlines

Dec. 1, 2011—undergraduate engineering, regional and university-specific scholarships

May 1, 2012—undergraduate engineering technology scholarships and high school seniors scholarships



Other great resources to help you in engineering your future can be found at the [ASHRAE StudentZone](http://www.ashrae.org/StudentZone)

YEA Meeting Announcement!

Young Engineers in ASHRAE April 2012 Meeting Magnetic Bearing Compressor Technology

Discussion Summary

Magnetic Bearing frictionless compressor technology delivers unsurpassed efficiency by eliminating the high friction losses of typical centrifugal compressors.

Please join us for an in depth discussion on Magnetic Bearing Compressor technology and then witness this technology up close and personal as we continue the presentation with a hands on viewing of an operating magnetic bearing chiller. No hearing protection is required.

This meeting is sponsored by



and food will be provided.

When: **April 26, 2012 (Thursday)**

Time: **11:30 am to 1:00 pm**

Where: **El Tropicano Hotel**

110 Lexington Avenue

San Antonio, TX 78205

Parking will be readily available at the hotel



RSVP BY EVITE OR BY CONTACTING: Stillman Jordan @ 210-841-2913
or by Email @ stillman.jordan@hdrinc.com

San Antonio HVAC Industry News

Article Contributed By Christopher C. Garcia, P.E.

Government Activities Report:

Building Related and Fire Code Appeals and Advisory Board

In December, San Antonio City Council voted to consolidate the mechanical, plumbing, and other appeals and advisory boards related to our industry into one new board, the Building Related and Fire Code Appeals and Advisory Board (BRFCAAB). This was done to resolve issues the four previous boards were having related to finding nominees to fill the positions and attend meetings to meet quorum.

The new appellate board consists of 17 primary members and alternates (34 members total). A quorum is 9 of the 17 members. The positions include engineers, contractors and building owners. The members are nominated at-large from nationally recognized industry associations, i.e. ASHRAE.

On February 15th the infrastructure and growth committee (I & G) considered primary members. There were two nominees for the primary mechanical/plumbing engineering position. The city council members on the sub-committee voted for the Alamo ASHRAE chapter's nominee, Chris Garcia (hey, that's me!).

During the March 1st City Council meeting the primary members were appointed as part of the consent agenda. Alternate members of the board were appointed by City Council on March 29th. Paul Silber was appointed as the alternate for the plumbing/mechanical engineer position.

The 1st BRFCAAB board meeting was March 27th. The board elected Rodney Olivier, the primary electrical engineer, as chairman and Chris Garcia, the primary mechanical/plumbing engineer, as vice-chairman. The board heard an appeal and concurred with the Development Services Department's recommendation of denial regarding clothes dryer exhaust issues at an apartment complex. The board also met with city staff.

The 2nd BRFCAAB board meeting was on April 10th. The alternate board members were introduced. A sub-committee was formed to give recommendations on the 2012 CPS Energy service standards. There was also discussion on encouraging applicants to attend the meetings when their appeal was going to be heard by the board.

The next scheduled meeting will be on July 10 (9:00am) at the Development and Business Service Center (1st floor, Board room). More information can be found on the City of San Antonio website.

2012 ASHRAE CRC ANNOUNCEMENT



2012 CRC
Region VIII
Tulsa, OK

2012 ASHRAE
Region VIII CRC

April 26th—28th, 2012

Tulsa, Oklahoma
DoubleTree @ Warren Place

The NEOK Chapter is looking forward to hosting the
Region VIII CRC in 2012.

It will be April 26th –28th at the beautiful suburban
DoubleTree @ Warren Place.

For more information and to register go to the Region VIII Website or go to the following link
<http://eweb.ashrae.org/portal/crcviii>

For DoubleTreeHotel Registration Page go to the following link
http://doubletree.hilton.com/en/dt/groups/personalized/T/TULSYDT-ASH-20120425/index.ihtml?WT.mc_id=POG

Platinum Sponsors



Gold Sponsors

Process Equipment Company - Johnson Controls

Silver Sponsors

Browne Consulting Engineers—Boone & Boone Sales Co. Inc.—Airetech Corporation,
Hambrick-Ferguson, Inc.—Loren Cook Company—McIntosh Services, Inc—Trane Company

2012 ASHRAE CRC AGENDA

2012 CRC TENTATIVE AGENDA

Wednesday, April 25, 2012

4:00 PM – 7:00 PM Registration

3:30 PM – 5:00 PM

6:00 PM – 9:00 PM
Space Museum

Single Zone VAV Systems

Friday Night Social-Tulsa Air and

Thursday, April 26, 2012

7:00 AM – 7:30 PM Registration
7:00 AM – 9:00 AM Breakfast – Hospitality Lounge
8:30 AM Golfers meet in Hospitality Lounge
9:00 AM La Fortune Golf Course
4:00 PM – 5:00 PM Caucus Orientation
6:00 PM – 9:00 PM Welcome Party-Hotel

Friday, April 27, 2012

6:30 AM – 5:00 PM Registration
6:45 AM – 7:45 AM Caucus Breakfast
7:00 AM – 9:00 AM Breakfast-Hospitality Room
8:00 AM – 11:45 AM Business meeting
10:00 AM – 10:15 AM Break during Business Meeting
12:00 PM – 1:45 PM President's Luncheon
2:00 PM – 5:00 PM Technical Sessions
2:00 PM – 3:20 PM Controlling NO_x Emissions from Boilers

Saturday, April 28, 2012

7:00 AM – 9:00 AM Breakfast- Hospitality Lounge
7:30 AM – 12:00 PM Registration
8:00 AM – 11:45 AM Golden Gavel Committee
8:00 AM – 9:45 AM Webmaster Workshop
8:00 AM – 9:45 AM Officers Workshop
8:00 AM – 9:45 AM Research Promotion Workshop
8:00 AM – 9:45 AM Communications Judging
8:00 AM – 9:45 AM Refrigeration Workshop
9:45 AM – 10:00 AM Break
10:00 AM – 11:45 AM CTTC Workshop
10:00 AM – 11:45 AM Student Activities Workshop
10:00 AM – 11:45 AM Communications Workshop
10:00 AM – 11:45 AM Membership Workshop
10:00 AM – 11:45 AM Historian Workshop
12:00 PM – 1:45 PM Awards Luncheon
2:00 PM – 3:30 PM Business Meeting
3:30 PM – 5:00 PM Executive Session
5:00 PM – 5:45 PM CRC Debrief

COMPANION ACTIVITIES

Thursday, April 26

7:00 AM-9:00 AM Continental Breakfast-Hospitality Room
6:00 PM-10:00 PM Welcome Party at Hotel

Friday, April 27

7:00 AM-9:00 AM Continental Breakfast-Hospitality Room
10:30 AM Leave for Sage Culinary Studio
11:00 AM-1:30 PM Cooking class and lunch at Sage
2:00 PM-4:00 PM Tour of Philbrook Museum
6:00 PM-9:00 PM Social at Tulsa Air & Space Museum

Saturday, April 28

7:00 AM-9:00 AM Continental Breakfast-Hospitality Room
10:00 AM-11:00 AM Optional Exercise/Walking Class by Fleet Feet
12:00 PM-1:45 PM Awards Luncheon

2012 ASHRAE GOLF TOURNAMENT



THANK YOU, ALAMO ASHRAE MEMBERS, PARTICIPANTS, SPONSORS, GUESTS, AND SUPPORTERS, FOR MAKING THIS YEAR'S TOURNAMENT A HUGE SUCCESS!

ANNUAL GOLF CLASSIC 2012

Benefitting ASHRAE Research & Scholarships

FRIDAY – MARCH 30th, 2012



Location:

The Republic of Texas Golf Club
4226 SE Military
San Antonio, TX 78222

Format:

4 Person Scramble
(2 teams per hole - blind draw)

Check-in/Breakfast:

7:00 AM – 8:00 AM

Tee Off Time:

8:30 AM Shot Gun Start

Lunch/Awards Ceremony/Raffle:

1:00 PM

Entry Fee:

\$125 per Player *

2012 ASHRAE GOLF WINNERS!!



Board Of Governors holding the \$15,000.00 ASHRAE Research check.

Shown at Right... "Low Gross" winning team mates! Congratulations!



"Low Net" winning team mates. Congratulations to Paul Mitchell and Brad Bright and their team mates.

...Just to confirm, how many mulligans were allowed????!!



2012 GOLF CONTEST WINNERS



Alamo ASHRAE would like to extend a special thank you to Todd Buck and his Golf Tournament support team for all of the hard work they put in making this year's golf tournament a huge success. Thanks!

ASHRAE Society Updates

Spring 2012



Do you have questions that we can answer in the next ASHRAE Society Update? Send an email to kfulcher@ashrae.org and your question will be forwarded on to staff.

New Changes to Members Council

During the 2011 fall meeting in Atlanta, a motion was approved to remove the Director and Regional Chairs (DRCs) as members of Members Council and to have them sit on the Board of Directors only. The DRCs will be replaced by a new position from each region called the Region Members Council Representative. Pending approval by the membership for an ASHRAE Bylaws change, this will become effective July 1, 2013.

New Insurance Coverage for Chapters

The Manual for Chapter Operations (MCO), Section 4.6 was updated to include a section for ASHRAE Chapter Event Insurance. This coverage is provided at the chapter's expense to cover sporting events such as racing, skiing, firearms, boating, mechanical bulls and other activities. See the MCO for full details or visit the ASHRAE website <http://www.ashrae.org/society-groups/chapters/Manual-for-Chapter-Operations> and click on the link under "MCO Bookmarked Sections and Appendices."

New Member Benefit

Beginning July 1, 2011, the decision was made to provide a complimentary 12-month subscription to ASHRAE Handbook Online to all new Members and Associates with an election date of July 1, 2011 and onward, since they will not receive their print or CD Handbook until June, 2012. The new members and associates will receive an email message with

instructions on how to access their complimentary Handbook Online subscription. This is a one-time benefit for new members, and at the end of their subscription, they will be prompted to renew the Handbook Online at the \$49 member rate.

Two chapter Resources are available online:

Centralized Training for MP:

<http://www.ashrae.org/society-groups/committees/membership-promotion-centralized-training>

Membership Promotion Blog

Visit our blog for training and resources - provide feedback as well!

<http://ashraemptraining.wordpress.com/>

Airmail Only \$10 (USD)

Members outside the United States will be happy to learn Airmail delivery of the ASHRAE Journal is now only \$10. ASHRAE encourages all members outside the U.S. to select this option on their membership renewal to ensure faster delivery of the industry's leading magazine, ASHRAE Journal. Click [here](#) to renew your membership.



ASHRAE Society Updates

Spring 2012



Leadership U participants at the Chicago Winter meeting.

Leadership U – San Antonio

Have you ever wondered what ASHRAE Officers do at the ASHRAE Winter & Annual Conferences? Here is your chance to find out! Through Leadership U (offered by the YEA Institute), a handful of YEA members are selected for each conference to be matched up with Society Officers and participate in all of their events and board meetings, including social activities. Leadership U not only allows you to experience a conference like an Officer, but it is also a great opportunity to network and form connections with those active in ASHRAE.

If selected to participate in Leadership U, the costs of attending the Conference (transportation, lodging and registration) will be covered by ASHRAE. In addition, those selected will document their experiences and share them with the YEA Committee, their chapter and their region.

Submit your application today! All applications must be received by the close of business **April 16, 2012**. To learn more about this opportunity or if you have any questions, visit www.ashrae.org/yea.

HVAC Design Essentials Workshop Scholarship

Presented by the ASHRAE Learning Institute, the three-day HVAC Design Essentials Workshop allows attendees to focus on both the fundamental and technical aspects of HVAC design in commercial buildings, providing practical strategies for HVAC

designers and others involved in delivery of HVAC services. The next HVAC Design Essential Workshop will be held May 21-23, 2012 at ASHRAE Headquarters, Foundation Learning Center.

To encourage attendance by young professional ASHRAE members, the YEA Institute offers one full scholarship for attendance to the HVAC Design Essentials Workshop (Level I of the workshop only). The full cost of registration to Level I of the workshop will be covered by ASHRAE.

If you have an interest in attending this workshop, this scholarship is the perfect opportunity for you. All applications must be received by the close of business **April 9, 2012**.

RP Chairs- Visit the RP Blog

Messages to donors, non-donors, reminders, graphics, and articles about Research are available at the RP blog (<http://ashraerp.wordpress.com/>)

CRCS Set For Spring 2012

Region VI - May 3 – 6

Minnesota Minneapolis, MN

Visit the website –

<http://ashrae6.blogspot.com/>

Region VIII - April 26 – 28

Northeastern Oklahoma Tulsa, OK

Visit the website -

<http://region8.ashraeregions.org/crc.htm>

Region XI - May 10 - 12

Manitoba Winnipeg, MB

Visit the website-

<http://region11.ashraeregions.org/>

Please contact Vickie Grant at ASHRAE Headquarters for questions or to request more information about CRCS.

ASHRAE Society Updates

Spring 2012

Registration Open for ASHRAE Dedicated Outdoor Air Systems Webcast!

Registration is now open at www.ashrae.org/doaswebcast for the April 19, 2012 Webcast, "Dedicated Outdoor Air Systems – A Path to Balancing Energy and IEQ." This free webcast is being brought to you by ASHRAE's Chapter Technology Transfer Committee with support from Valent Air Management Systems, Rotor Source, Inc., Engineered Air, Munters, and Heat Pipe Technology.

Webcast Archive Available!

If you are unable to participate in the live webcast, the program replay will be archived online until May 3, 2012. Registration will be necessary to view the archived program. The webcast presenters are:

Ron Jarnagin ASHRAE President 2011-12, Staff Scientist Pacific Northwest Laboratory Richland, WA

Tim McGinn, P.E., LEED AP, Principal DIALOG Calgary, AB, Canada

Stanley Mumma, Ph.D., P.E., Professor Emeritus Pennsylvania State University University Park, PA

John Murphy, LEED AP, Applications Engineer Trane, La Crosse, WI

There is no fee for registration. To register and learn about the webcast program, continuing education credits, and ASHRAE dedicated outdoor air systems resources, visit www.ashrae.org/doaswebcast. If you have questions about the webcast, call 678-539-1200 or email ashrae-webcast@ashrae.org.

Modeling for a Sustainable Future

ASHRAE seeks to advance the industry's ability to more accurately model and simulate a building's energy use.

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 and exceptional modeling practices to obtain acceptable results when the tool cannot model the scenario "out-of-the-box".

Click here for the [Conference Announcement and Call for Presenters](#)



*ASHRAE conferences provide great opportunities
for knowledge sharing and networking.*

GET INVOLVED!

Volunteering within ASHRAE provides you with a single resource for keeping up with technical advances in the industry. By volunteering, you gain direct access to new technology, technical information available that is universally recognized as authoritative and reliable and you influence the direction of HVAC&R technology.

The Programs Committee for the ASHRAE CRC Meetings are coordinated by:

Bill Klock, P.E. LEED AP
EEA Consulting Engineers
(512) 744-4410 (o)
billklock@eeace.com

Ken Graham
Mechanical Reps Inc.
(210)-650-9005 (o)
keng@mechreps.com

2012 ASHRAE Annual Conference

June 23 - 27, 2012
San Antonio, TX, USA

The conference is expected to attract some 2000 attendees from 60 countries. The technical program takes place Sunday, June 24 – Wednesday, June 27, and includes paper presentations as well as non-paper presentations. Approved papers are published in ASHRAE.

The 2012 ASHRAE Annual Conference has set the tracks for the submission of papers and programs for presentation.

Needed

- Two Monitors for each session:
- 1) Sunday, 7:15am-3pm (16)
 - 2) Monday, 7:15am-1pm (16)
 - 3) Tuesday, 7:15am-1pm (16) & 11am-1pm (2)
 - 4) Wednesday, 7:15am-1pm (16)
- Two extra needed for coordination

Benefits

Why sign up? Free registration for the conference, including attendance to sessions.

WHY VOLUNTEER?

Volunteering also provides unique opportunities to develop communication, management and leadership skills. Because ASHRAE is a volunteer-driven organization, you cannot turn to a better source for human resource development. ASHRAE offers countless opportunities for developing potential through volunteer work on a committee or at the chapter level. Benefits of volunteering include:

- Strengthening leadership skills
- Improving technical skills and the ability to work on technical issues
- Networking
- Accessibility to resources
- Self-development and sharing of ideas



**Position: MEP REVIT Designer/Coordinator**

PBK Engineering Division is in search of candidates to fill the position of MEP REVIT Designer/Coordinator. Candidate would be responsible for working with the Design Engineers and provide drafting support of MEP system designs into REVIT MEP 2012. Candidate would help support the Design Engineers on REVIT MEP 2011/2012. This is an opportunity to be part of a nationally recognized top consulting/design firm of Architects and Engineers with incredible growth potential.

Candidate Requirements

Proficient in REVIT MEP 2011 and/or 2012 with at least 2 years experience. Previous experience in drafting MEP design systems in REVIT MEP 2011 and basic knowledge of MEP system design is a plus.

Please forward résumé to Steven R. Butler, PBK - Director, San Antonio MEP Group - steven.butler@PBK.com

Do you have a job opening that you would like to advertise? Please coordinate with Jennifer King @ jennifer.king@merrick.com if you would like to consider posting a job opportunity in next month's edition of *The Squirrel Cage*!